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springdale, ar

COURSE CATALOG

2023–2024

DON TYSON SCHOOL OF INNOVATION

CONTENTS

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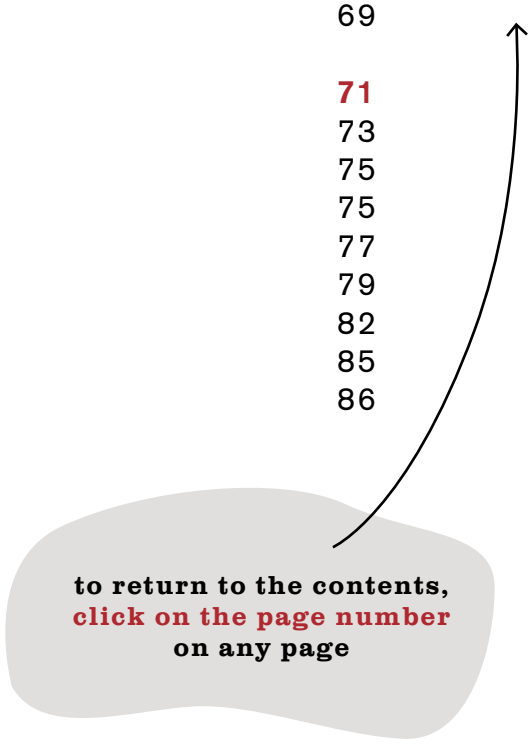

GRADUAT

REQUIREMENTS & REC

23-24 course catalog

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OGNITIONS

Students are challenged academically with both advanced placement and concurrent credit options and have the option of graduating with an associate degree as a high school senior. We also offer multiple programs of study for students to take electives and pathways connected to in-demand careers which provide additional opportunities for students to excel.

We are a technology-rich STEAM School that embraces flexible and blended learning opportunities, allowing for a project-based learning environment that promotes student success.

ARKANSAS GRADUATION REQUIREMENTS

SMART CORE CURRICULUM DIPLOMA

24 units of credit required by Springdale Public Schools

English - 4 units

- English 9th grade
- English 10th grade
- English 11th grade
- English 12th grade

Mathematics - 4 units; *one unit must be taken in 11th or 12th grade*

- Algebra I or first part and second part Algebra I (Grades 7-8 or 8-9)
- Geometry or first part and second part Geometry (Grades 8-9 or 9-10)
- Algebra II
- Fourth Year Math - choice of Math Ready, Algebra III, Quantitative Literacy, Pre-Calculus, Calculus or an AP Mathematics course

Natural Science - 3 units with lab experience chosen from:

- Biology Integrated (1 unit)
- 2 units from the following three options:
  - Physical Science Integrated
  - Chemistry Integrated
  - Physics Integrated

Social Studies - 3 units

- Civics - ½ unit
- Economics - ½ unit
- World History - 1 unit
- American History - 1 unit

Computer Science - 1 unit
Oral Communications - ½ unit
Physical Education - ½ unit
Health and Safety - ½ unit
Fine Arts - ½ unit
Career Focus - 7 units
Personal Finance - as required by Arkansas Department of Education for graduation - 10, 11 or 12

NOTE: Comparable Advanced Placement (AP), International Baccalaureate and Concurrent College courses may be substituted where applicable

CORE CURRICULUM DIPLOMA

24 units of credit

English - 4 units

- English 9th grade
- English 10th grade
- English 11th grade
- English 12th grade

Mathematics - 4 units

- Algebra I or its equivalent
- Geometry or its equivalent
- All math units must build on the base of algebra and geometry knowledge and skills.
- A two-year algebra equivalent or a two-year geometry equivalent may each be counted as two units of the 4 unit equivalent.

Science - 3 units

- One unit of Biology Integrated
- One unit of Physical Science Integrated, Chemistry or Physics
- One unit of ADE approved Science

Social Studies - 3 units

- Civics ½ unit / Economics ½ unit
- World History - 1 unit
- American History - 1 unit

Computer Science - 1 unit
Oral Communications - ½ unit
Physical Education - ½ unit
Health and Safety - ½ unit
Fine Arts - ½ unit
Career Focus - 6 units
Personal Finance - as required by Arkansas Department of Education for graduation - 10, 11 or 12

OTHER GRADUATION NOTES

- Students must be enrolled in Math and English course each year.
- Each high school student shall be required to take at least one digital learning course for credit to graduate.
- Each high school student shall be required to take and pass with 60% or above on the ADE Civics exam.
- Each high school student shall be required to earn a credit in a course taken in 10th, 11th or 12th grade that includes the personal and family finance standards.

GRADUATION REQUIREMENTS FOR STUDENTS WITH DISABILITIES

Students with disabilities are expected to meet requirements for graduation as set forth by the Springdale Public School District. The Individual Education Plan (IEP) committee shall establish a program of study that is compatible with each student's ability to perform. The committee may waive or substitute specific courses and may require specific courses when it is determined to be in the best interest of the student to do so.

ARKANSAS SCHOLARSHIPS

The Arkansas Department of Higher Education offers scholarship and grant programs to qualified graduating seniors. For complete information, visit the Arkansas Department of Higher Education website at www.adhe.edu.

ARKANSAS ACADEMIC CHALLENGE (LOTTERY) SCHOLARSHIP

The Arkansas Academic Challenge (Lottery) Scholarship is open to high school seniors and non-traditional students who are Arkansas residents. Students must earn a minimum composite score of 19 on the ACT.

All students applying for the Arkansas Academic Challenge must complete the application at WWW.ADHE.EDU. Refer to the website for deadlines.

ARKANSAS GOVERNOR'S DISTINGUISHED SCHOLARSHIP

The Arkansas Governor's Scholarship Program is open to high school seniors with an ACT score of 32 or higher or an SAT score of 1410 or higher and a 3.5 grade point average. The application deadline is February 1. To apply go to the WWW.ADHE.EDU website.

AR FUTURE GRANT (ARFUTURE) and other scholarships can be found at - WWW.ADHE.EDU

SPORTS SCHOLARSHIPS, ATHLETIC SCHOLARSHIPS AND FINANCIAL AID FOR STUDENT ATHLETES

The NCAA Clearinghouse can be accessed by calling toll free 1-877-262-1492 or by going to the website at www.ncaaclearinghouse.net. The Clearinghouse is available for students and parents/families to provide general information about NCAA Division I and Division II initial-eligibility requirements. It is the responsibility of the parent/family and the student athlete to know all the eligibility requirements in order to register with the NCAA Clearinghouse.

Information regarding students National Association of Intercollegiate Athletics (NAIA) eligibility can be found at playnaia.org

GRADUATION RECOGNITIONS

UPON GRADUATION, STUDENTS MAY QUALIFY FOR THE FOLLOWING:

We offer a high school experience through a variety of pathways:

- Accelerated High School
- Advanced Placement (AP) Programs
- Career and Industry Certifications
- Associate Degrees
- VIA DTSOI - blended and full-time virtual learning

Recognition	Requirements
Honors Graduate	Meets ADE Smart Core curriculum requirements with a 3.50 GPA based on 8 semesters. Completed two years of the same foreign language. Completed two AP and/or IB units of credit or has completed each semester of a concurrent credit course, which counts as 0.5 AP/IB class.
High Honors Graduate	Meets ADE Smart Core curriculum requirements with a 3.50 GPA based on 8 semesters. Completed two years of the same foreign language. Completed four AP and/or IB units of credit or has completed each semester of a concurrent credit course counts as 0.5 AP/IB class.
Highest Honors Graduate	Meets ADE Smart Core Curriculum requirements with a 3.50 GPA based on 8 semesters. Completed two years of the same foreign language. Completed six AP and/or IB units of credit or has completed each semester of a concurrent credit course, which counts as 0.5 AP/IB class.
Associate Degree Completion	60 Hours of college courses completed
NWACC Rising Scholar	12 Hours of college courses completed + 3.0 min. college GPA
Higher Education State Core	35 Hours of college courses toward any Bachelor's degree
Career and Technical Program Completer	Completion of a Career Pathway Program of Study
Seal of Biliteracy	Studied and attained proficiency in 2+ languages by high school graduation
Technical Institute Accreditation	Awarded through NWTI
Industry Certifications	Awarded through Skilled and Technical Courses

MIDDLE SCHOOL COURSE GUIDE

REQUIRED & ELECTIVE COURSES

23-24 course catalog

Middle School Course Guide

6th Grade Required

- English 6 or Advanced English 6
- Math 6 or Advanced Math 6
- Science 6
- Social Studies 6
- College Career Readiness (CCR/Tools for Learning/PE/Heath)

7th Grade Required

- English 7 or Advanced English 7
- Math 7 or Advanced Math 7
- Science 7
- Social Studies 7
- College Career Readiness (CCR/Career Development/PE/Heath)

6th & 7th Grade Semester Electives

---------- 6th & 7th Grade ---------

- Explorations of Business and Entrepreneurship
- Explorations of Skill trades
- Intro to 3D Design & Modeling
- Intro to Art
- Intro to Audio Visual Technology and Film
- Intro to Automation & Robotics
- Intro to Computer Science
- Intro to Debate
- Intro to Modern Dance
- Intro to Modern Language
- Intro to Theatre
- Intro to Urban Agriculture

---------- 7th Grade ----------

- Coding for The Web
- Intro to Medical Science: Medical Detectives
- Soccer

6th & 7th Grade Year Long Electives

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---------- 6th Grade ----------

- Beginning Band
- Beginning Tenor Bass Choir
- Beginning Treble Choir
- Beginning Orchestra

---------- 6th & 7th Grade ---------

- Cross Country
- Education Accelerated by Service and Technology (EAST)
- Tennis

---------- 7th Grade ----------

- Intermediate/Advanced Tenor Bass Choir
- Intermediate/Advanced Treble Choir
- Middle School Band
- Middle School Orchestra
- Spanish I or Spanish For Native Speakers I

6th GRADE REQUIRED COURSES

English 6

6th grade English Language Arts focuses on concepts of literacy including reading comprehension, writing, and grammar. There will be a specific focus on narrative writing with reflection. This class will develop literacy skills through direct instruction and promoting personalized learning with a growth mindset.

Advanced English 6

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

6th grade English Language Arts focuses on concepts of literacy including reading comprehension, writing, and grammar. There will be a specific focus on narrative writing with reflection. This class will develop literacy skills through direct instruction and promoting personalized learning with a growth mindset.

Math 6

6th Grade Math curriculum focuses on connecting rate and ratio to whole number multiplication and division using concepts of ratio and rate to solve problems. Students will write, interpret, and use expressions and equations. Students will have a full understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers. Students will also develop an understanding of statistical thinking.

Advanced Math 6

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

Advanced 6th grade math covers the same 4 categories as 6th grade math, but at an accelerated pace. This faster pace will allow advanced math students to develop a deeper understanding of the concepts. This course will have a strong focus on the Exceeding content for each learning goal while also jumping into 7th grade content that closely aligns with the 6th grade learning goals.

Science 6

6th Grade Science curriculum focuses on concepts of energy, weather and climate, structure and functions of cells, growth and development of organisms, as well as engineering processes all through the lens of human impact. Students should be prepared for an fast-paced learning style where voice, choice, and empowerment drive learning.

Social Studies 6

Students will dive into early World History with a focus on early civilizations, essential characteristics of Europe, Western and Eastern Asia, Africa, and the Americas. Students will compare political, economic, and religious aspects of these past civilizations. This class will promote literacy through direct instruction and inquiry based approaches. Students will relate content to current and relevant events. Students will apply their learning through project-based approaches focused on a growth mindset.

College Career Readiness 6

(CCR/Tools for Learning/PE/Health)

This is a course that focuses on preparing students how to be a successful DTSOI student and we begin educating students about DTSOI pathways for college and career. Incorporating the innovators mind set, students will learn how to effectively use DTSOI's learning management system and Google applications. Students will be required to create and maintain a progress report that incorporates an action plan for completing assignments. Knowing organization and time management are key elements of inquiry learning, students are supported and guided in ways to manage his/her way through the learning process. CCR will also incorporate required PE and Health standards throughout the year's coursework.

GT (Gifted and Talented) Services

**This is for students who are already receiving GT services*

GT consist of a weekly pull-out program based on individual student needs. Students will go to the GT class once a week in place of a regularly scheduled class. Student achievement, teacher recommendation, and student interest will be considered in the type of enrichment that will be offered each quarter. Examples of possible classes are food truck entrepreneur, architecture basics, fashion design, maker-space, creative problem-solving, how things work/ basics of tools, STEM projects, entrepreneurship-from maker to market, etc.

7th GRADE REQUIRED COURSES

English 7

7th grade English Language Arts will continue to build on concepts of literacy that were taught in 6th grade while introducing more advanced vocabulary and sentence structure. Students will also be expected to read and analyze text at higher levels of complexity. There will be a specific focus on analytical/ expository writing. This class will develop literacy skills through direct instruction and promoting personalized learning with a growth mindset.

Advanced English 7

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

Advanced 7th grade English covers the same learning goals as 7th grade English, but at an accelerated pace. This faster pace will allow advanced English students to develop a deeper understanding of the concepts. This course will have a strong focus on the Exceeding content for each learning goal while also jumping into 8th grade content that closely aligns with the 7th grade learning goals

Math 7

Students in 7th grade math will cover 4 main categories throughout the year. Proportional Reasoning: Developing an understanding of and applying proportional relationships, Rational Numbers and Equations: Developing an understanding of operations with rational numbers and linear equations, Geometry: Solving problems involving scale drawings & informal geometric constructions. Working with 2-D & 3-D shapes to solve problems involving area, surface area, & volume, and Statistics and Probability.

Advanced Math 7

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

Advanced 7th grade math covers the same 4 categories as 7th grade math but at an accelerated pace. This faster pace will allow advanced math students to develop a deeper understanding of the concepts covered as we cover and apply several 8th grade math standards within the same scope. Students in Advanced 7th grade math will skip 8th grade math and move on to Algebra1 during their 8th grade year.

Science 7

7th Grade Science focuses on concepts of matter properties and reactions, energy and Earth's internal systems, matter cycling and energy flow, and ecosystem relationships. This course also includes STEM projects using the engineering design process. It is a guided, inquiry-based course where students will be developing their own questions about these concepts and creating products to demonstrate their learning.

Social Studies 7

Students will study both geography and Arkansas history. The geography portion of the class will provide a broad global overview of people and places of the world. This class will promote literacy through direct instruction and inquiry based approaches. The Arkansas history portion of the class will examine the geography, government, economy and history of our state. Students will relate content to current and relevant events. Students will apply their learning through project-based approaches focused on a growth mindset.

College Career Readiness 7

(CCR/Career Development/PE/Health)

This is a course that focuses on preparing students how to be a successful DTSOI student and educate students about DTSOI pathways for college and career. Incorporating the Innovations mind set, students will learn how to effectively use DTSOI's learning management system, Google Calendar, Google Docs, Google Sheets, G-Mail and other important Google applications. Students will be required to create and maintain a progress report that incorporates an action plan for completing assignments. Students will learn requirements to graduate high school, how to calculate GPA, how to take surveys to foster interest in future careers, as well as other important College and Career Readiness skills. CCR will also incorporate required PE and Health standards throughout the year's coursework

GT (Gifted and Talented) Services

**This is for students who are already receiving GT services*

GT consist of a weekly pull-out program based on individual student needs. Students will go to the GT class once a week in place of a regularly scheduled class. Student achievement, teacher recommendation, and student interest will be considered in the type of enrichment that will be offered each quarter. Examples of possible classes are food truck entrepreneur, architecture basics, fashion design, maker-space, creative problem-solving, how things work/ basics of tools, STEM projects, entrepreneurship-from maker to market, etc.

6th & & 7th GRADE
SEMESTER ELECTIVES

Explorations of Business and Entrepreneurship - 6, 7

Students are introduced to the DTSOI business pathway which includes marketing, management, entrepreneurship, and small business operations. Students will also have exposure to the student run DTSOI coffee shop.

Explorations of Skill Trades - 6, 7

Students will explore opportunities in construction, manufacturing, and automotive technology. Students will learn hand and power tools, precision measurement, layout, and foundational skills needed for construction, manufacturing, and mechanics.

Intro to 3D Computer Design & Modeling - 6, 7

Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to develop 3D computer modes of different solutions to engineering problems.

Intro to Art - 6,7

Art emphasizes the transition from elementary school to high school. It includes learning to develop and communicate personal ideas in art, observational drawing, sculpture, and painting. Students will practice self-evaluations and habits of mind that are necessary for success in art production and other areas of life.

Intro to Audio Visual Technology & Film (AV Tech & Film) - 6,7

This class will teach students the basics of video production by way of learning the basics of camera operations, video editing, graphic creation, audio management, interview lighting, and scriptwriting. Students will start creating news packages, and creative narrative film pieces to be used in the Phoenix Announcements, as well as Phoenix News.

Intro to Automation & Robotics - 6,7

Students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more.

Intro to Computer Sciences - 6

Computer Science Explorations is an introductory computer science course for 6th grade students. Mapped to CTSA

standards, the course takes a wide lens on computer science by covering topics such as problem-solving, programming, physical computing, user-centered design, and data, while inspiring students as they build their own interactive coding projects, games, and animations in Scratch.

Intro to Debate - 6,7

Students in Intro to Debate will learn the basics of analysis, evidence, public speaking, persuasive tactics and confidence in speaking. This class is a fast track introduction to be able to compete at the junior high and high school level.

Intro to Modern Dance - 6,7

An introductory movement-based course to learn dance basics. Students will learn beginning ballet, jazz and hip hop skills. There will be a minimum of one public dance performance per school year.

Intro to Modern Language - 6,7

This course will provide a global perspective of language and culture to students. Students will be introduced to direct language instruction (potential target languages include: Spanish, German, French, Italian) as well as the diverse cultures that are tied to the languages. Scope will include languages across the continents, alphabets, and socio-demographic trends associated with language. Additional exploration will include language morphology and trends past present and future.

Intro to Theatre - 6, 7

An introductory course designed to teach the beginning concepts of the theatrical arts, including aspects of creating, performing, responding, and connecting to theatre and its ideals, and to support student achievement at whatever experience level the student brings to the classroom. Each student may be required to stay after school or come in on the weekend on certain days to help prepare for performance.

Intro to Urban Agriculture - 6,7

This is a foundation course for agricultural programs. Basic agricultural concepts are introduced and students explore careers in the agricultural industry. Students will also be introduced to the FFA, leadership and Supervised Agricultural Experiences. Natural resources, plant science, animal science, native wildlife and farm to table will be introduced.

Coding for The Web - 7 only

This course serves as an introduction to web development for the novice and intermediate coder. Through an inquiry-driven, project-based curriculum, students will explore problem solving strategies, the formulation of algorithms and the creation, analysis, and debugging of computer programs. Students will use modern web-enabling languages such as HTML, CSS and JavaScript to create dynamic, interactive websites which address the real-world problems that they are interested in solving.

Intro to Medical Sciences: Medical Detectives - 7 only

Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks.

Soccer - 7 only

The Soccer class is designed to develop technical skills, tactics, and fitness. Players will be taught the fundamentals of soccer including skills, defensive and attacking tactics, rules, and sportsmanship. The program will be structured to give students the opportunity to improve in soccer, to represent the DTSOI, and the ability to teach others. Students will also complete state required health.

6th & & 7th GRADE
YEAR LONG ELECTIVES

Beginning Band - 6, 7

This class is for beginners only. No previous musical experience is required. Students will must be given an evaluation by a band director for placement on an instrument. Students will learn how to play a band instrument in like-instrument classes and perform in several band concerts throughout the year.

Beginning Tenor Bass Choir - 6, 7

This is a full year course for beginning treble choir students. No previous choir experience is required. Students will focus on improving their singing skills and music reading skills in a group setting. Students will perform two or more times during the year. Participation and attendance at all performances is required.

Beginning Treble Choir - 6, 7

This is a full year course for beginning treble choir students. No previous choir experience is required. Students will focus on improving their singing skills and music reading skills in a group setting. Students will perform two or more times during the year. Participation and attendance at all performances is required.

Beginning Orchestra - 6, 7

This class is for beginners only. No previous musical experience is required. Students will be given an evaluation by a director for placement on a stringed instrument. Students will learn how to play a stringed instrument and perform in several concerts.

Cross Country - 6, 7

Cross country running is a team sport in which runners compete to complete a course over open or rough terrain. The courses at these events may include grass, mud, woodlands, hills, flat ground and water.

Education Accelerated by Service & Technology (EAST) 6

EAST 6 is a foundational course that teaches students how to take ownership of their own learning. Students learn how to use technology and other resources to serve the individual, school, and community. It is a class that teaches students how to control their future. Students begin to learn how to present; how to be professional; how to brainstorm, and how to team-build. Students will enter into a mentorship program with veteran EAST students (grades 7-12). They will learn software and hardware tools such as ArcGIS, Archicad, Adobe software, Soundtrap, 3D printing, audio/visual skills, and more.

EAST 7

This course builds on students' experiences as they begin to develop ideas to solve community-based problems using emerging technology within the context of service-learning projects. Learning is student-led, technology driven, service based, and collaborative. Based on these principles, students continue learning new and advanced software/hardware and work on enhancing their skills through real world experiences. Students also continue developing their soft skills through project management opportunities such as public speaking, team building, and networking. Students should accept the challenge of constructing their own learning by practicing self-direction and self-motivation on a daily basis.

Tennis - 6, 7

The Tennis Athletics Class/Team/Practice is designed to develop proper grips, stroke production, footwork, strategies, conditioning. Players will be taught the fundamentals of tennis including skills, singles and doubles strategies, rules, proper etiquette, and physical fitness. Students are encouraged to practice what they learn and play matches on their own when possible. The program will be structured to give students the opportunity to grow, succeed, and represent DTSOI.

Intermediate/Advanced Tenor Bass Choir - 7 only

This is a full year course for beginners or students who have one year of experience in choir. Students will focus on improving their singing skills in a group setting. Students will also participate in regional events and perform several times during the year. Students have the opportunity to audition for an advanced ensemble. Participation and attendance at all performances is required.

Intermediate/Advanced Treble Choir - 7 only

This is a full year course for beginners or students who have one year of experience in choir. Students will focus on

improving their singing skills in a group setting. Students will also participate in regional events and perform several times during the year. Students have the opportunity to audition for an advanced ensemble. Participation and attendance at all performances is required.

Middle School Band - 7 only

Prerequisites: previous orchestra course completion with a C or better or teacher recommendation

This band will be divided into two ability-based bands in the fall. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of intermediate level band music. Students will participate in multiple concerts throughout the year as well as possible region events.

Middle School Orchestra - 7 only

Prerequisites: previous orchestra course completion with a C or better or teacher recommendation

This is a continuation level course for students with one or more years of previous orchestra experience. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of intermediate level orchestra music. Students will participate in multiple concerts throughout the year as well as region orchestra events.

Spanish I or Spanish for Native Speakers I - 7 only

**Students who complete this course will earn 1 high school credit*

Students will be introduced to the sound system, basic syntax, basic vocabulary, and elementary inflectional endings of general Spanish. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and writing. Hispanic cultural heritage is emphasized with special attention given to Hispanic influences in the Americas.

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ENGLISH LANGUAGE ARTS

SPRINGDALE SCHOOL DISTRICT POLICY STATES: "STUDENTS MUST BE ENROLLED IN MATH AND ENGLISH EVERY YEAR."

Course Name	Recommended Grade	Grade	Duration	Credit	Weighted Credit
English 8	8	8	1 YR	0	
Advanced English 8	8	8	1 YR	0	
English 9	9	9	1 YR	1	
Advanced English 9	9	9	1 YR	1	
English 10	10	10	1 YR	1	
Advanced English 10	10	10	1 YR	1	
English 11	11	11	1 YR	1	
English 12	12	12	1 YR	1	
AP Language	11	11-12	1 YR	1	Y
AP Literature & Composition	12	11-12	1 YR	1	Y
CC College Comp I	11-12	11-12	1 SEM	1	
CC College Comp II	11-12	11-12	1 SEM	1	

English 8 - 1 year

8th grade English Language Arts will continue to build on concepts of literacy that were taught in 7th grade while introducing more advanced vocabulary and sentence structure. Students will also be expected to read and analyze text at higher levels of complexity. There will be a specific focus on argumentative/ persuasive writing. This class will develop literacy skills through direct instruction and promoting personalized learning with a growth mindset.

Advanced English 8 - 1 year

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

Advanced 8th grade English covers the same learning goals as 8th grade English, but at an accelerated pace. This faster pace will allow advanced English students to develop a deeper understanding of the concepts. This course will have a strong focus on the exceeding content for each learning goal while also jumping into 9th grade content that closely aligns with the 8th grade learning goals. The advanced track prepares students for advanced placement or concurrent pathways once they reach high school.

English 9 - 1 year, 1 credit

Students will build skills to read and write both literary and informational texts. Students are required to read novels as well as a variety of fiction and nonfiction literature. Emphasized writing modes include argument, expository, and narrative.

Advanced English 9 – 1 year, 1 credit

This advanced class focuses on the same standards and content as English 9, while preparing students for advanced placement or concurrent pathways by reading classic literature and through more rigorous inquiry.

English 10 - 1 year, 1 credit

Students will build skills to read and write both literary and informational texts. Students are required to read novels as well as a variety of fiction and nonfiction literature. Emphasized writing modes include argument, analytical expository, and narrative nonfiction.

Advanced English 10 – 1 year, 1 credit

This advanced class focuses on the same standards and content as English 10, while preparing students for advanced placement or concurrent pathways by emphasizing rhetorical analysis, literary argument, and narrative nonfiction writing.

English 11 - 1 year, 1 credit

Students will build skills to read a variety of contemporary fiction and nonfiction writings, while examining various writing styles. The emphasized writing focus is organization, mechanics, style, and purpose. ACT preparation is heavily embedded in the course.

English 12 - 1 year, 1 credit

Students will build skills to read and write with a focus on postsecondary and workforce readiness. This will be done through a study of fiction and nonfiction pieces, professional documents, and other real-world texts. Emphasized modes of writing will include personal narrative, analytical expository in the form of a research paper, and inquiry based argument.

Advanced Placement (AP) Language - 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

Teacher/school counselor recommendation required. This is a college-level course. Students will read nonfiction prose from a variety of periods, disciplines, and contexts; write in a variety of forms for different audiences and purposes; learn to analyze style and apply that analysis to nonfiction prose; complete a research paper according to MLA guidelines; study vocabulary; review grammar, usage, and mechanics of compositions, and prepare for the APLAC exam that is administered in May.

Advanced Placement (AP) Literature and Composition - 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

This is a college-level course. Students will read and respond to a variety of literary works, including classic novels of their choosing; write literary analysis; learn to analyze the elements of style and apply that analysis to short stories, novels, poetry, and drama; improve critical thinking skills; review grammar, usage, and mechanics of compositions; work towards increasing ACT scores, and prepare for the AP Literature exam administered in May.

ENGLISH ELECTIVE

Creative Writing/Film as Literature 11, 12 1 year, 1 Credit

Students will analyze mentor texts before crafting their own short stories and poems. Students will evaluate films from a variety of time periods before writing and producing an original short film.

MATHEMATICS

SPRINGDALE SCHOOL DISTRICT POLICY STATES: "STUDENTS MUST BE ENROLLED IN MATH AND ENGLISH EVERY YEAR."

Course Name	Recommended Grade	Grade	Duration	Credit	Weighted Credit
Math 8	8	8	1 YR	0	
Advanced Algebra I	8	8-9	1 YR	1	
Algebra I	9	9-12	1 YR	1	
Advanced Geometry	9	9-10	1 YR	1	
Geometry	10	10-12	1 YR	1	
Advanced Algebra II	10	9-11	1 YR	1	
Algebra II	11-12	11-12	1 YR	1	
Transitional Math	11	11-12	1 YR	1	
Algebra III	11-12	11-12	1 YR	1	
AP Calculus AB	10-12	10-12	1 YR	1	Y
AP Calculus BC	11-12	11-12	1 YR	1	Y
AP Statistics	11-12	10-12	1 YR	1	Y
CC College Algebra	11-12	11-12	1 SEM	1	
CC Survey of Calculus	11-12	11-12	1 SEM	1	

Math 8 - 1 year

This course will teach students the necessary skills to be successful in their next level specialized math courses. The mathematics learned will include: Rational and Irrational numbers, Exponential Rules and Applications, Linear Functions, Systems of Equations, the Pythagorean Theorem, Volume, Transformations, and Bivariate Data. This foundation is essential for proficiency in future high school mathematics courses.

Advanced Algebra I - 8 - 1 year, 1 credit

Prerequisites: teacher recommendation

This course is a fast-paced, advanced course designed to place students ahead in their mathematics learning. Students will learn all of the same skills as they would in the Algebra 1 course given in 9-12 (see below) as well as the mathematical standards that they did not receive by advancing into this course. The skills that will be developed on top of the Algebra 1 skills encompass linear functions, quadratic functions, exponential functions, scientific notation, and statistics involving two-way tables and scatter plots. Students must be equipped with the skill and work level of a high school student in order to be successful in this course.

Algebra I - 9 - 1 year, 1 credit

This course is designed to introduce, excite and entice students into the wonderful world of Algebra. In this course, students will dive into using Algebraic thinking to explore relationships between linear and nonlinear functions including inequalities, absolute value, quadratics, and exponentials. Students will use their past knowledge of operations with negative and positive numbers to expand equations into graphs of curvature on a graphing calculator. Statistics is based on real-world data collected from student driven projects and ideas. Students will have opportunities to see Algebra working within their everyday lives! At the end of this course, students will be proficient in their application of algebraic thinking.

Advanced Geometry - 9 - 1 year, 1 credit

Prerequisites: Advanced Algebra I course completion with a C or better or teacher recommendation

The fundamental purpose of this fast-paced course in Geometry is to formalize and extend students' understanding of complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The major topics students will study are Coordinate Geometry, Two- & Three-Dimensional objects, Circles, Transformations, Congruence, and Similarity. Students will also review Linear Functions, Quadratics, and Statistics to help prepare them for state testing. Students will have the opportunity to work with mathematics on the coordinate plane as well as in 3D. Students will work as mathematicians to describe geometric relationships and solve problems. In Advanced Geometry, students will also study Law of Sines, Law of Cosines, and conic sections.

Geometry - 10 - 1 year, 1 credit

The fundamental purpose of the course in Geometry is to formalize and extend students' understanding of geometric situations and deepen their explanations of geometric relationships. The major topics students will study are Coordinate Geometry, Two- & Three-Dimensional objects, Circles, Transformations, Congruence, and Similarity. Students will also review Linear Functions, Quadratics, and Statistics to help prepare them for state testing. Students will have the opportunity to work with mathematics in the coordinate plane as well as in 3D. Students will work as mathematicians to describe geometric relationships and solve problems.

Transitional Math - 11 - 1 year, 1 credit

Prerequisite - *Prerequisites: previous Algebra I and Geometry course completion with a C or better or teacher recommendation*

Students can take this course before Algebra II. This course emphasizes understanding of mathematics concepts. Students learn the context behind procedures and understand why to use a certain formula or method to solve a problem. By engaging students in real-world applications, this course develops critical thinking skills that students will use in college and their careers.

Embedded in Craft Skills (CORE) if all modules are completed at mastery level of 70%.

Advanced Algebra II - 10 - 1 year, 1 credit

Prerequisites: Advanced Algebra I & Advanced Geometry course completion with a C or better or teacher recommendation

Students with a strong foundation in Algebra may be eligible for Advanced Algebra 2. Advanced Algebra 2 includes advanced topics and moves at a faster pace than Algebra 2. Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical, and trigonometric functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including

solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will learn about Linear & Absolute Value, Quadratics & Complex Numbers, Polynomials & Structure, Rational & Radical Functions, Sequences & Series, Exponentials & Logarithms, Statistics, and Trigonometry.

Algebra II - 11, 12 - 1 year, 1 credit

Prerequisites: previous Algebra I and Geometry course completion with a C or better or teacher recommendation

Algebra II takes students on a new journey to deeper level algebra concepts. Students will discover, using a variety of strategies and exploration, Linear & Absolute Value, Quadratics & Complex Numbers, Polynomials & Structure, Rational & Radical Functions, Sequences & Series, Exponentials & Logarithms, and Statistics. Students work closely with the expressions that define functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers.

Algebra III - 11, 12 - 1 year, 1 credit

Prerequisites: previous Algebra I, Geometry and Algebra II course completion with a C or better or teacher recommendation

Students in Algebra III will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, and exponential functions. For the mature student, this course enhances the higher-level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some pre-calculus concepts. An exciting part of Algebra III is the exploration of sequences and series which will be used to represent and analyze real world problems and mathematical situations. Algebra III includes a study of matrices and conics.

Advanced Placement (AP) Calculus AB - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Algebra I, Geometry and Advanced Algebra II course completion with a C or better or teacher recommendation

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Advanced Placement (AP) Calculus BC - 10, 11, 12- 1 year, 1 credit

Prerequisites: previous AP Calculus AB course completion with a C or better or teacher recommendation

AP Calculus BC is roughly equivalent to both the first and second semester college calculus courses devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, Fundamental Theorem of Calculus, parametric and polar functions, power series, and convergence or divergence of a series.

Advanced Placement (AP) Statistics – 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous or current enrollment in Algebra II or teacher recommendation

AP Statistics is a college-level course covering the most common statistical concepts including every aspect of data collection, analysis and interpretation used in a wide variety of fields of study. All students are required to have a graphing calculator and are expected to take the AP exam. Students can enroll simultaneously in this class with Algebra 2, Algebra 3, AP Calculus, or an NWACC math class.

SCIENCE

Course Name	Recommended Grade	Grade	Duration	Credit	Weighted Credit
Science 8	8	8	1 YR	0	
Advanced Physical Science Integrated	8	8	1 YR	1	
Physical Science Integrated	9	9	1 YR	1	
Advanced Biology Integrated	9	9-10	1 YR	1	
Biology Integrated	10	10	1 YR	1	
Advanced Chemistry Integrated	10	10-12	1 YR	1	
Chemistry Integrated	11	11-12	1 YR	1	
Chemistry Integrated Applications	11	10-12	1 YR	1	
Advanced Physics Integrated	11	10-12	1 YR	1	
Physics Integrated	12	11-12	1 YR	1	
AP Biology	11-12	11-12	1 YR	1	Y
AP Physics I	11-12	10-12	1 YR	1	Y
CC Principles of Biology	11-12	11-12	1 SEM	1	
CC General Zoology	11-12	11-12	1 SEM	1	
CC Chemistry *Online	12	11-12	1 SEM	1	
CC Science Elective	12	9-12	1 SEM	1	

Science 8 - 1 year

This class is a continuation of concepts learned in Science 7 and good preparation for Physical Science in the 9th grade. Students taking Science 8 will study the following concepts: (1) Forces and Interactions; (2) Non-contact Forces and Interactions; (3) Space Systems; (4) Waves; (5) Common Ancestry; (6) Adaptations and (7) Inheritance and Variation of Traits.

Advanced Physical Science Integrated - 8
1 year, 1 credit

Prerequisites: previous science course completion with a C or better or teacher recommendation

This course is offered to 8th graders who are recommended to begin taking science high school classes early. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations and projects. This course prepares students interested in taking Advanced Placement and concurrent science courses. The six topics included in Advanced Physical Science Integrated are (1) Forces and Motion; (2) Non-contact Forces and Interactions (3) Energy (4) Waves (5) Matter and Interactions and (6) Our Earth, Our Environment, Our Impact.

Physical Science Integrated - 9- 1 year, 1 credit

Prerequisites: previous science 8 course completion with a C or better or teacher recommendation

This class is a continuation of the physical science principles examined in middle school. Students taking Physical Science Integrated will study concepts from Chemistry, Physics, and Earth Science. The six topics included in Physical Science integrated: (1) Forces and Motion; (2) Non-contact Forces and Interactions; (3) Energy; (4) Waves; (5) Matter and Interactions and (6) Our Earth, Our Environment, Our Impact.

Biology Integrated -10 - 1 year, 1 credit

Students examine what "life" means as they investigate the characteristics shared by all living things. Students will understand the key concepts that help make sense of the interactions between Life Science and Earth Science. The ideas are building upon students' understanding of disciplinary ideas, science and engineering practices, and cross-cutting concepts from earlier grades. There are seven topics in Biology Integrated: (1) Cellular systems; (2) Structure and function; (3) Genetics (4) Descent with modification; (5) Population and Ecosystem dynamics; (6) Ecological systems; (7) Natural resources and human activity; and (8) Humans and global change.

Advanced Biology Integrated - 9
1 year, 1 credit

Prerequisites: previous Advanced Physical Science course completion with a C or better or teacher recommendation

A Biology curriculum where provided in preparation for the students will understand in depth, the key concepts that help them make sense of the interactions between Life Science and Earth Science. The ideas are building upon students' understanding of disciplinary ideas, science and engineering practices, and crosscutting concepts from earlier grades. These are the topics included in Advanced Biology Integrated: (1) The nature of science; (2) Cells; (3) Genetics; (4) Evolution; (5) Ecology; (6) Diversity of life.

Chemistry Integrated- 11, 12 - 1 year, 1 credit

Prerequisites: previous Physical Science and Biology course completion with a C or better or teacher recommendation

Students will develop their understanding of the core ideas in the Physical and Earth and Space Sciences. Students will use computer-based and traditional laboratory techniques to obtain, organize, and analyze data. Students will develop conclusions using both qualitative and quantitative procedures. Topics include: (1) Matter and Chemical Reactions; (2) Nuclear Reactions; (3) Energy Flow (4) Waves; (5) Forces.

Chemistry Integrated-Applications - 11, 12
1 year, 1 credit

Prerequisites: previous Physical Science and Biology course completion with a C or better or teacher recommendation

Students will develop their understanding of the core ideas in the Physical and Earth Sciences, and apply them to real world scenarios and applications. This class will allow students to learn the application of the study of chemical elements and compounds to materials, agriculture, nutritional science and the arts. Students will use computer-based and traditional laboratory techniques to obtain, organize, analyze data and apply it to real world situations. Topics included are identical to those in Chemistry Integrated.

Advanced Chemistry Integrated -10, 11
1 year, 1 credit

Prerequisites: previous Advanced Biology, Algebra I course completion with a C or better or teacher recommendation.

Students will develop an in-depth understanding of the core ideas in the Physical and Earth and Space Sciences. Students will use computer-based and traditional laboratory techniques to obtain, organize, and analyze data. Students will develop conclusions using both qualitative and quantitative procedures. Students solve chemical problems by using mathematical formulation principles and chemical calculations in addition to laboratory experiments. They build on their general understanding of chemical principles and engage in a more in-depth study of the nature and reactivity of matter. Topics include: (1) Matter and Chemical Reactions; (2) Nuclear Reactions; (3) Energy Flow (4) Waves; (5) Forces.

Physics Integrated - 11,12 - 1 year, 1 credit

Prerequisites: previous Biology course completion with a C or better or teacher recommendation

Physics engages students in the investigation of physical laws and application of the principles of physics to address real world problems. It is recommended that students have completed or are concurrently enrolled in an Algebra II course. There are five topics in Physics: (1) Motion; (2) Work and Energy; (3) Heat and Thermodynamics; (4) Waves, Sound, and Simple Harmonic Motion and (5) Electricity.

Advanced Physics Integrated - 10, 11 - 1 year, 1 credit

Prerequisites: previous Advanced Biology course completion with a C or better or teacher recommendation

Advanced Physics engages students in the investigation of physical laws and application of the principles of physics to address real world problems at a faster pace and with more opportunity for deeper study than the Physics course. It is recommended that students have completed or are concurrently enrolled in an Algebra II course. There are five topics in Physics: (1) Motion; (2) Work and Energy; (3) Heat and Thermodynamics; (4) Waves, Sound, and Simple Harmonic Motion and (5) Electricity.

Advanced Placement (AP) Biology- 11, 12
1 year, 1 credit

Prerequisites: previous Advanced Biology, Advanced Chemistry and Advanced Algebra I completion with a C or better or teacher recommendation

Advanced Placement (AP) Biology is rigorous college-level Biology course. Students will further their understanding of Biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. The course includes laboratory, analysis, and discussion elements that will allow students to get a deeper understanding of the connections between the central topics of Biology. Students should have successfully completed Biology as this class does not cover the Biology requirement. This is an elective class and all students are expected to take the AP exam.

Advanced Placement (AP) Physics 1 - 11, 12 -
1 year, 1 credit

Prerequisites: previous Advanced Biology course completion with a C or better or teacher recommendation.

Advanced Placement (AP) Physics 1 is a rigorous algebra-based, college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. This is an elective course and does not count as a science credit. All students are expected to take the AP exam.

SOCIAL STUDIES

Course Name	Recommended Grade	Grade	Duration	Credit	Weighted Credit
Social Studies 8 & Civics	8	8	1 YR	0.5	
Civics *(for student who did not complete Civics in 8th grade)*	9-12	9-12	1 SEM	0.5	
Contemporary United States History 1877-Present	9	9-12	1 YR	1	
Contemporary World History to1500	10	10-12	1 YR	1	
Economics with Personal Finance *(for student who did not complete Economics in 10th grade)*	11-12	11-12	1 SEM	1	
AP US History	10-12	10-12	1 YR	1	Y
AP World History	10-12	10-12	1 YR	1	Y
AP Human Geography	9-10	9-12	1 YR	1	Y
AP United States Government - Politics	11-12	11-12	1 YR	1	Y
CC US History to 1877	10	10-12	1 SEM	1	
CC American National Government	10-12	10-12	1 SEM	1	
CC Psychology	10	10-12	1 SEM	1	
CC World Civilization from 1500	10	10-12	1 SEM	1	
Psychology	9-12	9-12	1 SEM	0.5	
Sociology	9-12	9-12	1 SEM	0.5	

Social Studies 8: 1 year, includes a .5 credit Civics

Students will study 19th Century US History and Civics through a process that analyzes current issues, past issues, elections and controversies within our government utilizing relevant texts and classroom inquiry. Students will study the foundations and processes of the American government to provide them with the necessary skills to make educated decisions and participate in our democratic society.

Civics - 9, 10, 11, 12 *for student who did not complete civics in 8th grade* 1 semester, .5 credit

The focus of Civics is the application of civic virtues and democratic principles and investigation of problem solving in society. This course provides a study of the structure and functions of federal, state, and local government. Civics also examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process.

Contemporary United States History - 9 1 year, 1 credit

United States History since 1877 in order to focus in greater depth on the effects of changing culture, technology, world economy, and environment, as well as the impact of global conflicts on contemporary society in the United States. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events in the United States within an interconnected world. This course examines the emergence of the United States as a world power to the present. Students will examine the political, economic, geographic, social, and cultural development of the United States of America from the twentieth century into the twenty-first century.

Contemporary World History - 10 1 year, 1 credit

World History is designed to assist students, through the inquiry based model, in understanding the human condition, how people and countries of the world have become increasingly interconnected across time and space, and the ways different people view the same event or issue from a variety of perspectives. This course develops an understanding of the historical roots of current world issues, especially as they pertain to international/global relations. It requires an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world.

Economics with Personal Finance - 11, 12 *(for student who did not complete economics in 10th grade)* - 1 semester, .5 credit

Students will explore the interrelationships among consumers, producers, resources, and labor as well as the interrelationships between national and global economies. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earning potential.

Advanced Placement (AP) United States Government and Politics: 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation

This class offers the opportunity to gain college credit through taking the AP exam. Both semesters include factual and analytical concepts in government and politics. The content areas for AP Government and Politics: United States, are as follows; current events, constitutional development, the executive, the judicial, the legislative, bureaucracy, political parties, pressure groups, the media, and civil rights.

Advanced Placement (AP) United States History: 10, 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

Advanced Placement (AP) U.S. History covers the spectrum of American history from pre-Columbian days to the present. Using chronological and thematic approaches to the material, the course exposes students to extensive primary and secondary sources and to the interpretations of various historians. Class participation through seminar reports, discussions, debates, and role-playing activities is required. Special emphasis is placed on critical reading and essay writing to help students prepare for the AP examination. The course is structured chronologically, divided into nine periods and/or key concepts outlined in the AP U.S. History curriculum framework.

Advanced Placement (AP) World History: 10, 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

AP World History is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

SOCIAL STUDIES ELECTIVES

Advanced Placement (AP) Human Geography: 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will see how the population of the world has turned the Earth's space into place, leaving a human imprint on the land. For example, students will study pop culture, population trends, migration and immigration and urban development. The overall goal of the course is to become globally literate and to understand the visual world around them.

Psychology - 9, 10, 11, 12
1 semester 0.5 credit

Psychology will include an introduction to the field of psychology, including the investigation of the bases of behavior; learning and cognitive processes; developmental/ social psychology; personality development, and the identification and treatment of psychological disorders.

Sociology - 9, 10, 11, 12
1 semester 0.5 credit

Sociology provides an overview of sociological theories and methods for systematic understanding of society. Students will study culture, identity, race, ethnicity, gender, class inequality, crime, deviance, globalization, social change, and social institutions applying a sociological perspective to develop critical thinking.

COLLEGE & CAREER READINESS (CCR)

College and Career Readiness classes provide a dedicated platform to educate and prepare students for DTSOI programs and pathways. CCR ensures students are on a path to "diploma plus". Our CCR courses support students with post-secondary planning and placement in college and /or career, counseling services and support.

Course	Graduation Requirement	Duration	Credit
College and Career Readiness 8th Grade	Survey of Business	1 YR	1
College and Career Readiness 9th Grade	Keystone and Oral Communications	1 YR	1
College and Career Readiness 10th Grade	Economics and Personal Finance	1 YR	1
College and Career Readiness 11th Grade	ACT Prep Course and Citizenship (Civics) Exam	1 YR	1
12th Grade Senior Seminar	ACT WorkKeys / Service learning credit with 75 hours of Community Service	1 YR	1

College and Career Readiness 8 - Survey of Business - 1 year, 1 credit

The class Survey of Business is the foundation that encompasses the skills and knowledge necessary to be successful in any selected career pathway or academic program of study, regardless of postsecondary plans. Through this course students will have the opportunity to earn Microsoft Office Specialists certifications in Word, Excel, and PowerPoint. During this course of study students will also complete their 8th grade state required career development course. Students will receive guidance in investigating their own interests and aptitudes in relation to possible careers and will begin developing a flexible education plan for both high school and post-secondary studies or technical training.

College and Career Readiness 9 - Keystone & Professional Communications - 1 year, 1 credit

This course will blend Keystone state standards and professional communications. Keystone standards were designed to help ninth graders successfully navigate high school. Professional communication will provide students with an understanding of the dynamics of effective communication while speaking, listening, and responding in the situations they will encounter in career settings. Students will practice the principles of communication competencies in professional settings, demonstrate the effect of intrapersonal and interpersonal communication of professional relationships, participate in collaborative communication activities that mirror the contemporary workplace, and deliver a variety of informal talks and addresses relevant to the business world.

College and Career Readiness 10 - Economics & Personal Finance- 1 year, 1 credit

College and Career Readiness is the development of skills and knowledge necessary to be successful in any selected career pathway and program of study regardless of post-secondary plans. This course is fundamental for all subsequent career planning and preparation. The theory is to plan for something with a career focus and prepare for all careers with the skills employers desire. The students also receive Economics w/Personal Finance. This part of the course is designed to increase financial literacy and prepare students to successfully manage financial resources. This course also focuses on the individual's role and financial responsibilities as a student, citizen, consumer, and an active participant in the business world. The program purpose is to prepare students to become responsible financial managers.

College and Career Readiness 11th Grade 1 year, 1 credit

Students complete the ACT Prep Curriculum. The students will also prepare and take the ACT and ASVAB within this class. Additionally, the 11th grade classes will focus on the preparation and administering of the Arkansas Civics Exam. The graduation required exam checks for the understanding and knowledge of U.S. history, U.S. government and integrated civics. Students may take the exam as many times as needed. Another focus of this class is post-secondary research, investigating education and career options.

College and Career Readiness 12th Grade - Senior Seminar -1 year, 1 credit

Students complete the ACT WorkKeys Curriculum. Senior Seminar is a course that will include the culmination of a student's experience at DTSOI. Students will use this course to facilitate their post-secondary planning experience. Activities will include the finalizing of their current digital portfolio, FAFSA applications, and post-secondary admissions and scholarships. DTSOI students will be able to personalize their Senior Seminar experience to fit their future plans and their DTSOI experience. The students will confirm their community service hours from 9-12th grade to earn their service learning credit.

8-12 ELECTIVE

e·lec·tive
\i-’lek-tiv

noun
NORTH AMERICAN
an optional course of study.
“up to half the credits in many public high schools are electives”

ES

ADVANCED PLACEMENT
COMPETENCY BASED LEARNING
Community Partnerships
Real World Experiences
Concurrent College Credit
INQUIRY LEARNING

ELECTIVES BY AREA

AGRICULTURE

Survey of Agriculture Systems - 8, 9, 10, 11, 12 - 1 year, 1 credit

A foundation course for all agriculture programs of study. Students will participate in planting, harvesting, and maintenance. Topics covered include general agriculture, FFA, leadership, supervised agricultural experiences, animal systems, plant systems, agribusiness systems, food production and processing, biotechnology, natural resources systems, environmental service systems, power, structural, and systems.

Plant Science - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Survey of Agriculture course completion with a C or better or teacher recommendation

Freight farm operations will be one key focus of this course. Plant science course will encompass the study of plant life cycle, classification, functions, structures, reproduction, media and nutrients, as well as, growth and cultural practices through the study of crops and other plants. Plant science will provide opportunities to participate in FFA and Supervised Agricultural Experiences. Students will have the opportunity to obtain OSHA-10 certification.

AUDIO VISUAL TECHNOLOGY & FILM (AV TECH)

Media Communications - 8, 9, 10, 11, 12 1 year, 1 credit

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Arts, A/V Technology and Communication Career Cluster. The content includes, but is not limited to, technology literacy; understanding the importance of Arts and A/V; understanding the role of science, math, reading, writing, history, and technology in Arts and A/V; and Digital Media.

A/V Productions I - 8, 9, 10, 11, 12 1 year, 1 credit

This class will teach students the basics of video production by way of learning the basics of camera operations, video editing, graphic creation, audio management, interview lighting, and script writing. Students will start creating news packages, and creative narrative film pieces to be used in the Phoenix Announcements, as well as Phoenix News.

A/V Productions II – 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous A/V Productions I course completion with a C or better or teacher recommendation

These students have learned the basics of camera, editing, lighting, audio, and script writing. They will showcase their talents in a monthly news show called Phoenix News.

A/V Productions III – 10, 11, 12 1 year, 1 credit

Prerequisites: previous A/V Productions II course completion with a C or better or teacher recommendation

These students will be creating promotional material for DTSOI as well as the Springdale School District. The advanced class will also produce a quarterly show called Springdale Today. This program will be a longer format show, encompassing the best that DTSOI has to offer in news packages, narrative film, industrial training, and advertising. The goal of this class is to complete media that is consistently competitive and award winning. Students must have performed at an exceptional level in Fundamentals and Intermediate A/V tech and film to be allowed into this course.

A/V Tech Lab – 9, 10, 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation ONLY

Students who have demonstrated mastery will have the opportunity to expand their learning through a project-based class with community opportunities.

Unmanned Aerial Systems – 10, 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation ONLY

Students who have demonstrated mastery will have the opportunity to expand their learning through a project-based class with community opportunities. Students will pursue the FAA Part 107 Remote Pilot Certification. This class is intended for students who plan on utilizing the Remote Pilot Certification in a future career path, such as real estate photography, videography, land surveying, agriculture etc.

BUSINESS & MARKETING

Business and Marketing - 8, 1 year

Students are introduced to the DTSOI business pathway which includes marketing, management, entrepreneurship, and small business operations. Students will also have exposure student run DTSOI coffee shop.

Survey of Business - 9, 10, 11, 12 - 1 year, 1 credit

Survey of Business is embedded in College and Career Readiness Course for all 8th graders. 9th – 12 graders may take this course as an elective. Survey of Business is a two-semester course designed to introduce students to the business program of study and prepare them to take industry recognized certifications exams to earn Microsoft Office Specialist certification in Word, PowerPoint, Excel, and Access.

Fashion Merchandising & Design - 9, 10, 11, 12 - 1 year, 1 credit

This course is designed to offer an overview of the fashion industry, including both merchandising and design. Students will learn a range of information about merchandising, including the retail industry, fashion marketing and the historical development of apparel. Students will also learn the different aspects of fashion design, including the elements of design, how to design apparel and how to produce garments.

Marketing Business Enterprise - 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous Survey of Business course completion with a C or better or teacher recommendation

Have you ever wondered what it would be like to be on the hit TV show Shark Tank?! Students in this course will explore marketing, finance, management, economics, and other areas that are necessary skills for becoming an entrepreneur. Students will be guided through the creation of a business plan so that they will be ready to start their own business. At the end of the year students will compete in a Shark Tank style business pitch competition. ADE - Marketing Business Enterprise.

Marketing Management - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Marketing Business Enterprise course completion with a C or better or teacher recommendation

Marketing management is designed to develop decision-making skills through the application of marketing and management principles. This course will focus on organization, finance, risks, credit, technology, and social aspects.

Hylton Hangout - Small Business Operations - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous business courses completion with a C or better or teacher recommendation

Small Business Operations prepares students who are interested in learning how to manage a small business. Students are required to participate in The Hylton Hangout, the DTSOI Coffee Shop and School Store (lab requirement). In addition to the lab work, students will also complete a series of lessons designed to prepare them for the transition to higher education and/or an entrepreneurial career. Students must be able to arrive before school as scheduled to fulfill their lab requirements by working at the coffee shop.

COMPETITIVE SPEAKING

Debate and Forensics - 8 - 1 year

Class designed for 8th Grade Students only and does not count for high school credit. Students in Introduction to Debate and Forensics will learn three styles of Debate and five styles of Forensic Acting in this year long exploration of Competitive Speaking. Students will learn and practice how to win arguments, give moving speeches, and persuade people in different situations. Students will have the option of competing alongside the Debate and Forensics High School Team at Junior High Competitions; competition at this level is not required, but strongly encouraged. Students will only be allowed to compete if their grades are passing in all classes.

Debate I - 9, 10, 11, 12 - 1 year, 1 credit

This class is focused on learning and competing in five different styles of competitive argumentation and how to support different arguments with logic, evidence, analysis and impacts. Throughout the year students will learn how to more effectively argue, use logic, and challenge assertions and assumptions in this highly interactive base level class. Students will also learn and practice how to win arguments and persuade people in different situations. Being part of the class allows you to compete on the Debate and Forensics Team and compete at tournaments in Arkansas and nearby states throughout the year. Participation in one tournament a semester is required. To compete, students must be eligible and able to meet all AAA rules.

COMPETITIVE SPEAKING CONTINUED...

Debate II - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Debate I course completion with a C or better or teacher recommendation

Students in this class continue to participate at the experienced level of competition at tournaments. Class work is more advanced, with independent debate research and case projects on styles of debate of the student's choosing as well as having opportunities for Ethics Bowl, Mock Trial, and Arkansas Student Congress. Tournament participation is required (Minimum of two per semester). To compete, students must be eligible and able to meet all AAA rules.

Debate III - 11, 12 - 1 year, 1 credit

Prerequisites: previous Debate II course completion with a C or better or teacher recommendation

Students participating at this level of competition are considered mentors and will be focused on helping advance their understanding of debate styles. Communication aspects such as Communication Theory and Biases are examined in argumentation, with advanced forms of argumentation and case writing expected. Participation in tournaments and involvement in Ethics Bowl, Mock Trial, and Arkansas Student Congress will be expected at this level Tournament participation is required (Minimum of two per semester). To compete, students must be eligible and able to meet all AAA rules.

Debate IV - 12 - 1 year, 1 credit

Prerequisites: previous Debate III course completion with a C or better or teacher recommendation

Students participate at this level of experienced competition at tournaments and are considered team leaders that assist the speech coach with instruction of other Competitive Speaking I/II/III students. Participation and mentorship, advanced methods of debate styles, practice judging, involvement in Ethics Bowl, Mock Trial, and Arkansas Student Congress will be expected at this level Tournament participation is required (Minimum of two per semester). To compete, students must be eligible and able to meet all AAA rules.

Forensics I - 9, 10, 11, 12 - 1 year, 1 credit

This class is an acting and speaking class where students will learn the skills and rules required for competitive performance of short scenes of plays, readings of poetry and prose, and improvisation acting. Throughout the year, students get to learn between 14 different types of acting and speaking events. Being part of the class allows you to compete on the Debate and Forensics Team and compete at tournaments in Arkansas and nearby states throughout the year. Participation in one tournament a semester is required. To compete, students must be eligible and able to meet all AAA rules.

Forensics II - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous competitive speaking I course completion with a C or better or teacher recommendation

Students participate is experienced at this level of competition having completed Forensic. Students will have more freedom to choose and interpret literature and plays for competition after learning all the events and can explore advanced forms of voice and physical acting to aid competition. Tournament participation is required (minimum of 1 tournament per semester). Must meet AAA rules for competition.

Forensics III - 11, 12 - 1 year, 1 credit

Prerequisites: previous Forensics II course completion with a C or better or teacher recommendation

Students participate at an advanced level of competition having completed Competitive Acting U. Students continue to choose and interpret literature and plays for competition after learning all the events. Students explore advanced forms of competition with Readers Theater and Improv. Tournament participation is required (minimum of 2 tournaments per semester). Must meet AAA rules for competition.

Forensics IV - 12 - 1 year, 1 credit

Prerequisites: previous Forensic III course completion with a C or better or teacher recommendation

Students participate at an advanced level of competition having completed Forensics III. Student leadership is expected at this level, as students help mentor Competitive Acting I/II students with their performances. Student participation and leadership is expected in advanced forms of competition with Readers Theater and Improv. Tournament participation is required (minimum of 2 tournaments per semester). Must meet AAA rules for competition.

CONSTRUCTION TRADES

Craft Skills (CORE): 9, 10, 11, 12
1 year, 1 credit

Students will obtain the NCCER (National Center of Construction Careers Education & Research) credential. This is a foundation course that will provide a national industry-recognized credential in NCCER Core and OSHA 10. These credentials will provide an increase in pay per hour to a student on the job as well as pre-apprenticeship hours in electrical, industrial maintenance, and plumbing adult apprenticeships.

Carpentry Level I - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous intro to craft skills course completion with a C or better or teacher recommendation

This instructional program prepares individuals to apply technical knowledge and skills to layout, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. The student will learn how to calculate the requirements for the building of wood structures and actually construct a multitude of projects. Applied engineering principles, building standards, and building codes are integrated into the course content and those students preparing for careers in engineering or architecture will benefit as well as those students going directly into the construction industry upon graduation. This course provides significant "hands-on" experiences with many hours spent in the shop building structures and improving building skills.

Mechanical, Plumbing and Electrical - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Craft Skills (CORE) course completion with a C or better or teacher recommendation

This instructional program prepares individuals to apply technical knowledge and skills in heating, ventilation, and air conditioning; electrical and mechanical systems; and plumbing. It is a foundation course to combine electrical, plumbing and HVAC courses into a one credit introductory course.

CULINARY ARTS

Food Safety & Nutrition - 9, 10, 11, 12 - 1 year, 1 credit

Food Safety & Nutrition focuses on the development of essential food safety practices needed to select, receive, store, prepare, and serve food, as well as the skills needed to select food which meets nutritional needs of individuals and families. Students will learn to create and implement an environment of food safety and procedures based on the latest regulations. Emphasis will be given to the development of competencies related to nutrition, weight control, the food consumer, and the effect of technology on food and nutrition. Students will be prepared for the National Restaurant Association ServSafe Certification exam.

Culinary Arts I - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Food Safety & Nutrition course completion with a C or better or teacher recommendation

Culinary Arts I is a one-year course designed to expand the student's knowledge in the culinary arts profession. Emphasis is given to the study of kitchen staples, principles of cooking, soups, stocks, and sauces, dairy products, eggs, fruit and vegetables, grains and pasta cookery, meat cookery and principles of baking. Upon completion of this course, students should have attained basic skills needed for entry-level employment in the food service industry, customer relations, purchasing and storage of foods, cooking techniques and principles of baking.

Culinary Arts II - 11, 12 -1 year, 1 credit

Prerequisites: previous Culinary I course completion with a C or better or teacher recommendation

Culinary Arts II is a one-year course designed to expand the student's knowledge in the culinary arts profession. Emphasis is on the study of sauces, garde-manger, advanced meat preparation, advanced poultry preparation, fish and shellfish, candy making, chocolate, advanced baking and pastries, plating, presentation and garnishing, and career opportunities. Upon completion of this course, students should have obtained the basic skills needed for employment in the food service industry or further education in culinary arts.

Culinary Lab – 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation ONLY

Students who have demonstrated mastery will have the opportunity to expand their learning through a project-based class with community opportunities.

EDUCATION & TEACHING

Intro to Education - 9, 10, 11, 12
1 year, 1 credit

Intro to education is a one-year course designed to provide students with information and experiences in the field of education. Students will plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and experience other responsibilities of classroom teachers. Students are involved in observations as well as direct student instruction; placement rotations are utilized to allow students to have experiences in various education career roles, grade levels, subject areas, and ability groups. Upon completion of the course, students should have identified areas of special interest that may be pursued further, have a better understanding of the teaching profession, and have enhanced employability skills that will be of benefit regardless of the occupation or career in which employed.

Education Technologies - 10, 11, 12
1 year, 1 credit

Prerequisites: previous Intro to Education course completion with a C or better or teacher recommendation

Education Technologies Instruction is a course designed to integrate psychological, sociological, and philosophical foundations, which prepare students for positive field experiences. This course encourages prospective teachers to become responsible, professional, and ethical as they explore the teaching profession. The students will research and examine foundations within the educational system. Upon completion of this course, a student should have a working knowledge of and employability skills for the education profession. The student will have the opportunity to obtain the paraprofessional certification. Teacher Cadet Curriculum and Educator's Rising Curriculum may be to assist in teaching the standards.

Child Development & Growth - 11, 12
1 year, 1 credit

This course helps students understand the challenges and responsibilities of guiding the physical, social, emotional, and intellectual development of children. Understanding Children, their needs and the forces which influence them, helps students gain self-understanding. In addition, the student will explore the responsibilities of parenthood, the challenges parents face, and the rewards of parenting. Concepts emphasized in this course include preparation for parenthood, prenatal and postnatal care, childbirth through the age of 12, health and safety of children, the cost of raising a child, behavior guidance, techniques, and parenting challenges.

EDUCATION ACCELERATED BY SERVICE & TECHNOLOGY (EAST)

EAST 8 - 1 year

EAST 8 students take responsibility for self-directed learning by continuing to utilize technology and collaborate with school and community partners to serve real world problems. Students build on and enhance soft skills necessary to develop and improve service based project development. EAST 8 provides all learners the opportunity to have relevant, individualized, life-changing educational experiences.

EAST I - 9, 10, 11, 12 - 1 year, 1 credit

A course designed for students to use state of the art computer technology to solve "real world" problems either independently or in teams. Students are engaged daily in a student-centered, project-based approach to problem solving. Students are expected to construct their own learning using resources traditionally found in the business environment such as user guides to software applications, software support services and peer-to-peer learning. Solutions to these real world problems may require student mastery in one or more of the following technology areas: computer-aided design; 3D modeling; surveying and mapping (including working with global positioning systems); geographic information systems; programming; database applications; web page design; digital photo/video editing and virtual reality development.

EAST II - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous EAST I course completion with a C or better or teacher recommendation

A course designed to build on the students' experiences in EAST I by providing opportunities for students to be engaged in project-based problem solving. EAST II students will be expected to engage EAST I students in philosophy and workings of the EAST Lab and instruct them on the hardware and software in the lab. EAST II students will be role models for new EAST I students and should act as such. EAST students will be expected to be active participants in the creation and implementation of community service projects throughout the year.

EAST III - 11, 12 - 1 year, 1 credit

Prerequisites: previous EAST II course completion with a C or better or teacher recommendation

A course designed as a continuation of coursework designed to build on the students' experiences in previous EAST classes by providing opportunities for students to continue to be engaged in community service-learning project-based approach to problem solving. A "work like" environment is maintained with high expectations in the classroom in order that students will gain a better understanding of what will be expected of them in their careers. The focus in this course shifts to peer group leadership, lab maintenance and administration, and sophisticated service projects. EAST students will be expected to be active participants in the creation and implementation of community service projects throughout the year.

EAST IV - 12 - 1 year, 1 credit

Prerequisites: previous EAST III course completion with a C or better or teacher recommendation

A course designed as a continuation of the EAST methodology with an emphasis on mentoring fellow students in acquired knowledge of advanced applications and other skills gained through EAST I, II, and III. EAST students will be expected to be active participants in the creation and implementation of community service projects throughout the year.

ENGINEERING & ROBOTICS

Engineering & Robotics - 8, 9 - 1 year, 1 credit

Students will budget, design, test, and communicate the results of their own collaborative engineering project using technology.

Competitive Robotics - 8, 9, 10, 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation

Robotics is a lab-based course that uses a hands-on approach to introduce concepts such as C++ programming, engineering design process, mechanical systems and documentation using the VEX Robotics platform. Students in this class will be expected to work on a team, travel and compete in various robotics competitions around the state. Preference will be given to students who have completed the Automation and Robotics/3D Computer Design and Modeling courses.

Introduction to Engineering Design (IED) – 9, 10, 11, 12 - 1 year, 1 credit

Students dig into creative thinking and problem-solving skills in the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using sketching, computer applications, and 3D modeling software. Students keep and use an engineering notebook to document their work.

Principles of Engineering (POE) – 10, 11, 12 1 year, 1 credit

Prerequisites: previous IED course completion with a C or better or teacher recommendation

Through problems that engage and challenge, students

ENGINEERING & ROBOTICS CONTINUED...

explore a broad range of engineering topics, including mechanisms, structures and material properties, electronic circuit design and fluid power. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Civil Engineering & Architecture - 10, 11, 12
1 year, 1 credit

Prerequisites: previous IED course completion with a C or better or teacher recommendation

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software (Autodesk REVIT).

Art I – 8, 9, 10, 11, 12 - 1 year, 1 credit

FINE ART

This course is an introductory studio art course that develops a wide range of skills and techniques in drawing, painting and other two and three-dimensional media. Students will acquire an understanding of the elements and principles of art; adopt a basic vocabulary for reflection upon the visual aspects of their work as well as the ability to critique the works of others. Through the research and exploration students will gain an understanding of the role art has played throughout history and the influences visual arts have on our culture, past and present. Students will create a quality portfolio of their work and connect relationships of visual art production with other disciplines including identify art-related careers opportunities.

Visual Art Appreciation - 9, 10, 11, 12
1 semester 0.5 credit

Visual Art Appreciation is a one-semester course designed to develop perceptual awareness and aesthetic sensitivity, as well as a foundation for a lifelong relationship with the arts. A general introduction to visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Through thematic examinations of both history and contemporary art, students will conduct critical analysis to describe works of art, techniques, and creative processes, reflecting on the connections between society and visual art.

Ceramics I - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Art I course completion with a C or better or teacher recommendation

Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production as it relates to three-dimensional design in clay. Students create works of art in clay using the processes of hand building, extrusion, and wheel throwing, and incorporating slip, glaze and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about the art they create and the nature of art in our society. Students will create a quality portfolio of their work and connect three-dimensional art production into other disciplines including identifying art-related careers opportunities.

Sculpture - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Ceramics I course completion with a C or better or teacher recommendation.

Sculpture is a two semester course designed for students to apply the elements of art and principles of design in three dimensional form . A variety of media, techniques, processes and tools will be used to create sculptures and forms demonstrating complex compositions. Students will increase problem solving and critical and creative thinking through sculpture processes and products. Students will exhibit sculptures and develop portfolio pieces reflecting artistic growth and personal expression.

Drawing I - 9, 10, 11, 12 , 1 year, 1 credit

Prerequisites: previous Art I course completion with a C or better or teacher recommendation

Students in drawing engage in sequential learning experiences that encompass art history, art criticism, and

aesthetics, based in hands-on production and leading to the creation of a portfolio of quality works. Students create drawings utilizing techniques and processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. Through verbal and written critiques students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about their own artwork and the works of others. Students study the relationships of the visual arts to other disciplines and discover opportunities for integrating their skills and knowledge into art-related careers. Students will be creating both a digital and physical portfolio of their work.

Drawing II - 10, 11, 12 , 1 year, 1 credit

Prerequisites: previous Drawing I course completion with a C or better or teacher recommendation

Students expand their experience, technique and visual expression in more advanced drawing experiences related to previous learning in Drawing 1. Students will be expanding their digital and physical portfolio and researching possible advanced career training in opportunities in college, university and art institutes.

Painting I - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Art I or Drawing I course completion with a C or better or teacher recommendation

This course is designed for beginners and those who have minimal painting experience. Students will learn the basics of handling a variety of color media and explore various techniques and subject matter. We will cover the fundamentals of composition, tone, and blending colors. One-on-one and group discussions will also touch upon concepts crucial to the creative process. Technical demonstrations and short writing projects will complement our studio work.

Painting II - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Painting I course completion with a C or better or teacher recommendation

This advanced painting course should be considered an opportunity for student to utilize all the knowledge and experience acquired in their previous art courses in order to create a body of work that demonstrates development and refinement in painting techniques, concepts and artistic expression. The main emphasis will be to encourage and nourish individuality and creativity.

AP Art Studio - 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation ONLY

AP Studio Art and Design consists of 2-D Art and Design, AP 3-D Art and Design, and AP Drawing—corresponding to college and university foundations courses. Students create a portfolio of work to demonstrate investigation through art and design and development of materials, processes, and ideas over the course of a year in /a preferred area. The portfolio includes investigation works of art and design, process documentation, and written information about the work presented. Students submit portfolios for AP evaluation based on specific criteria, skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

Beginning Modern Dance - 8*, 9, 10, 11, 12 1 year, 1 credit

This course is an introductory movement-based course to learn dance basics. Students will learn beginning ballet, jazz and hip hop skills. There will be a minimum of two public dance performances per school year.

*Note: *8th graders will meet state health requirements with this course.*

Intermediate Modern Dance - 8, 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous Modern Dance course completion with a C or better or teacher recommendation

This course is a beginner-intermediate movement-based class to improve basic dance skills learned in Beginning Modern Dance. Students will develop their ballet, jazz, and hip hop skills as well as learn other genres. There will be a minimum of two public dance performances per school year

Advanced Modern Dance – 8, 9, 10, 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation ONLY

Students who have demonstrated mastery will have the opportunity to expand their learning through a project-based class with community opportunities.

GRAPHIC DESIGN

Media Communications - 8, 9, 10, 11, 12
1 year, 1 credit

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Arts, A/V Technology and Communication Career Cluster. The content includes, but is not limited to, technology literacy; understanding the importance of Arts and A/V; understanding the role of science, math, reading, writing, history, and technology in Arts and A/V; and Digital Media.

Graphic Design I – 8, 9, 10, 11, 12
1 year, 1.5 credit

ART I 0.5 credit is embedded in this course. ART I can be *taken independently as well.*

This course is designed to introduce students to the fundamental skills and knowledge needed to create graphic works using industry-standard hardware and software for a variety of purposes and outputs. Areas of study include the understanding of the industry history, terminology, color, design principles, typography and ethical and legal issues related to graphic designs. Emphasis is placed on layout design and the creation and manipulation of graphics and how they are applied in today's industry standards. Within this context, they will develop knowledge and technical skills using a variety of materials and equipment including the Adobe Creative Cloud software, and printers. During this course students can test and receive Adobe Professional Certifications, an industry-recognized credential that demonstrates proficiency in the Adobe digital skills required for a number of creative careers.

Graphic Design II - 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous advertising graphic design I course completion with a C or better or teacher recommendation.

This course is designed to build upon basic knowledge and skills learned in Advertising and Graphic Design Level 1. Students will be acquiring additional knowledge and skills needed to create graphic works using industry-standard hardware and software for a variety of purposes and outputs. Areas of study include the understanding of the industry history, terminology, color, design principles, typography, photography, web graphics, animation and ethical and legal issues related to the graphic design. Emphasis is placed on layout design and the creation and manipulation of graphics and how they are applied in today's industry standards. During this course students can test and receive Adobe Professional Certifications, an industry-recognized credential that demonstrates proficiency in the Adobe digital skills required for a number of creative careers.

Graphic Design III - 10, 11, 12 1 year, 1 credit

Prerequisites: previous advertising graphic design II courses completion with a C or better or teacher recommendation.

Advanced Graphic Design takes the best, most important and relevant components of fundamentals and intermediate design courses, and expands them for the serious third year student. Students build upon their previous years works to produce a complete portfolio through independent projects. During this course students can test and receive Adobe Professional Certifications, an industry-recognized credential that demonstrates proficiency in the Adobe digital skills required for a number of creative careers.

Graphic Design Lab – 10, 11, 12 1 year, 1 credit

Prerequisites: teacher recommendation ONLY

Students who have demonstrated mastery will have the opportunity to expand their learning through a project-based class with community opportunities.

INDUSTRIAL TECHNOLOGY

Industrial Technologies I, II – 10, 11, 12
1 year, 1 credit

Industrial Technologies prepares students to enter the workforce or post-secondary education by equipping them with certifications of industry-based training and skills. This course covers an introduction to industrial maintenance including, OSHA 10 safety, hand and power tools, ARC/MIG welding, residential and industrial electricity, pneumatics, hydraulics, manual machining and fabrication, troubleshooting, and career readiness.

Industrial Technologies III, IV –11, 12
1 year, 1 credit

Prerequisites: previous Industrial Technology I and II courses completion with a C or better or teacher recommendation

Industrial Technologies prepares students to enter the workforce or post-secondary education by equipping them with certifications of industry-based training and skills. This course covers an introduction to industrial maintenance including, OSHA 30 safety, precision measurement, TIG Welding, Heating and Air Conditioning, Robotics, CNC machining/programming, advanced blueprint reading, Programmable Logic Controller (PLC) and Ladder Logic programming, compressors, laser alignment, instrumentation, troubleshooting, intro to supervisory skills and career readiness.

JOURNALISM

Journalism I – 8, 9, 10, 11, 12 - 1 year, 1 credit

This is a year-long overview of journalism. Areas of study include the First Amendment, media law and ethics, news literacy, determining news, gathering/interviewing, newswriting, editing, photojournalism, design, and careers in journalism. This course serves as a prerequisite for participation on yearbook or social media/e-news staff. Successful completion of this course is required to move on to the publications production courses. Students wishing to become members of a publication must demonstrate proficiency in this course.

Journalism II / Yearbook - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Journalism I course completion with a C or better or teacher recommendation

The purpose of Journalism II is to create, market, and publish the yearbook. Students will sharpen their journalistic skills in reporting, writing, and photography; as well as be proficient in the technical vocabulary dealing with yearbook design. Out-of-class time is required to attend school events for photography shoots. Deadlines are strongly enforced. Crafting the yearbook will challenge students to manufacture, sell, and distribute a product. This class requires an application and teacher approval to enroll.

Journalism III / Yearbook 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Journalism II course completion with a C or better or teacher recommendation

Journalism III is a two-semester course designed to immerse students in the production process through an advanced study of media production. Students will employ journalistic skills in media. Students will use academic knowledge gained in Journalism I and II to assume leadership roles and/or become advanced writers, designers, and photographers. Writing, technology, and visual and electronic media are used as tools for learning as students create, critique, and produce. Out-of-class time is required to attend school events for photography shoots. Deadlines are strongly

JOURNALISM CONTINUED...

enforced. This class requires an application and approval of teacher to enroll.

Journalism IV / Yearbook 11, 12 - 1 year, 1 credit

Prerequisites: previous Journalism III course completion with a C or better or teacher recommendation

This course is designed to give students hands-on experience in journalism leadership roles. They will be in charge of the production process as they work side-by-side with the journalism adviser. Students will use academic knowledge gained in Journalism I, II, and III to assume leadership roles and/or continue to become advanced writers, designers, and photographers. Writing, technology, and visual and electronic media are used as tools for learning as students create, critique, and produce. Out-of-class time is required to attend school events for photography shoots. Deadlines are strongly enforced. This class requires an application and approval of teacher to enroll.

Journalism Capstone - 12 - 1 year. I credit

Prerequisites: previous Journalism IV course completion with a C or better or teacher recommendation

This course is designed for seniors who have completed all four years of Journalism and are experienced yearbook staff members. This is an opportunity to work side-by-side with the yearbook adviser to manage production of the yearbook from start to finish. Students will assume a leadership role as they hone their writing, design, and photography skills while mentoring junior staff members. Out of class time is required to attend school events for photography shoots. Deadlines are strongly enforced.

MEDICAL SCIENCE

Foundations of Healthcare - 8*, 9, 10, 11, 12 – 1 year, 1 credit

Students will be introduced to medical professions and the basic foundational skills for first aid, CPR, and treatment of patients. This is an introductory course for the medical career pathway in education and training for health services.

**8th graders must be recommended by their science teacher and will receive high school credit.*

Medical Terminology- 9, 10, 11, 12 – 1 year, 1 credit

Medical Terminology assists students in developing the language used for communication in healthcare professions. This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological disorders and treatment of diseases involving each body system. This course also introduces the history of medical breakthroughs and advancements along with current practices and careers in the medical field.

Anatomy and Physiology - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous or current enrollment in Foundations of Healthcare course completion with a C or better or teacher recommendation

This advanced course concentrates on human anatomy and physiology. Learners will develop an understanding of the structure, function, and the interactions of the body systems through class discussions, case studies, dissections, and innovative projects. This course is for students interested in learning about how the human body functions and/or students wanting to pursue a degree in Life Sciences or in the medical field.

MODERN LANGUAGE

French I - 8, 9, 10, 11, 12 - 1 year, 1 credit

French I introduces the sound system, basic syntax, basic vocabulary, and elementary inflectional endings of general French. These elements are used in speaking, reading, writing, and listening. French cultural heritage is emphasized with special attention given to French influences in the Americas.

French II - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous French I course completion with a C or better or teacher recommendation

French II further develops pronunciation, syntax, and more specialized vocabulary as well as increasing proficiency with intermediate inflectional endings of general French. These elements are used in speaking, reading, writing, and listening. French cultural heritage is emphasized with special attention given to French influences in the Americas.

French III - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous French II course completion with a C or better or teacher recommendation

French III refines pronunciation, builds on syntax, extends specialized vocabulary, and increases proficiency in intermediate/advanced inflectional endings of general and academic French. These elements are used in speaking, reading, writing, and listening. French cultural heritage and French influence around the world are emphasized.

German I - 8, 9, 10, 11, 12 - 1 year, 1 credit

German I introduces the sound system, basic syntax, basic vocabulary, and elementary inflectional endings of general German. These elements are used in speaking, reading, writing, and listening. German culture is explored with special attention given to the 7 countries/regions that have German as an official language.

German II - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous German I course completion with a C or better or teacher recommendation

German II further develops pronunciation, syntax, and more specialized vocabulary, as well as increasing proficiency with intermediate grammar. These elements are used in speaking, reading, writing, and listening. German culture will continue to be explored through project-based learning - examples are analysis of various Bundesländer, exploration of the 7 countries/regions that have German as an official language.

German III - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous German II course completion with a C or better or teacher recommendation

German III refines pronunciation, builds on syntax, and extends specialized vocabulary, as well as increasing proficiency with intermediate/advanced inflectional endings of general and academic German. These elements are used in speaking, reading, writing, and listening. German cultural heritage is emphasized with special attention given to German influences in the Americas. Students will review German through film and literature.

Spanish I – 8, 9, 10, 11, 12 - 1 year, 1 credit

Spanish I introduces the sound system, basic syntax, basic vocabulary, and elementary inflectional endings of general Spanish. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and writing. Hispanic cultural heritage is emphasized with special attention given to Hispanic influences in the Americas.

Spanish II - 8, 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Spanish I course completion with a C or better or teacher recommendation

Spanish II further develops pronunciation, syntax, and more specialized vocabulary, as well as increasing proficiency with intermediate inflectional endings of general Spanish. Emphasis will be on perfecting pronunciation, building on grammatical structures, and building on the ability to communicate. Hispanic cultural heritage is emphasized with special attention given to Hispanic influences in the Americas.

MODERN LANGUAGE CONTINUED...

Spanish III - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Spanish II course completion with a C or better or teacher recommendation

Spanish III refines pronunciation, builds on syntax, and extends specialized vocabulary, as well as increasing proficiency with intermediate/advanced inflectional endings of general and academic Spanish. These elements are used in speaking, reading, writing, and listening. Hispanic cultural heritage is emphasized with special attention given to Hispanic influences in the Americas. Students will review Spanish through film and literature.

Spanish for Native Speakers I - 8, 9, 10, 11, 12 - 1 year, 1 credit

This course is designed to meet the communicative needs of the first- and second-generation Spanish-speaking student. Emphasis is placed on developing fundamental literacy skills in Spanish. Students learn phonetics, grammar, spelling, and building vocabulary. Cultural insights will be gained by exploring cultural themes from some of the 20 countries that have Spanish as an official language. This course is taught in Spanish and prepares students to advance to the next courses of Spanish for Native Speakers.

Spanish for Native Speakers II - 8, 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Native Spanish I course completion with a C or better or teacher recommendation

This course is designed to meet the communicative needs of the first and second generation Spanish-speaking student. Emphasis is placed on developing fundamental literacy skills in Spanish. More rigorous reading will be pursued in this course, including short stories and potentially novels. Student writing, in the form of diaries/journals, is a keystone for practicing writing. Grammar will focus on more advanced components, including subjunctive, future and conditional verb tenses, Spanish idioms, etc.

Spanish for Native Speakers III - 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous Native Spanish II course completion with a C or better or teacher recommendation

This course is designed to meet the communicative needs of the first and second generation Spanish-speaking student. Student writing, in the form of diaries/journals, is a keystone for practicing writing. Student-led discovery through projects. Students learn from experience and become engaged in a topic through inquiry, investigation and reflection. Spanish for Native Speakers III gives students the opportunity to interact with the culture and the language by being immersed in meaningful experiences.

AP Spanish Language & Culture - 10, 11, 12, 1 year, 1 credit

Prerequisites: previous Spanish III or Native Spanish III course completion with a C or better or teacher recommendation

The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, both tangible (e.g. tools, books) and intangible (e.g. laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products).

AP Spanish Literature & Culture 11, 12
1 year, 1 credit

Prerequisites: previous AP Spanish Language course completion with a C or better or teacher recommendation

This course is designed to provide students with a learning experience equivalent to that of a third-year college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature and provides opportunities for students to demonstrate their proficiency in Spanish. Students are provided with ongoing and varied opportunities to further develop their proficiency across the full range of language skills, with special attention to critical reading and analytical writing, and are encouraged to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. Students will progress beyond reading comprehension to read with critical, historical and literary sensitivity, and will be able to apply the skills they acquire in this course to many other areas of learning and life.

MUSIC - CHORAL

Choir - 8 - 1 year

This is a full year course for all choir students. Placement in the entry level ensemble is open to all students. Placement in an advanced ensemble is dependent upon a vocal audition. Students will focus on improving their singing skills in a group setting. Students will also participate in regional events, state events, and perform several times during the year. Participation and attendance at all performances is required.

Vocal/Choral Music I - 9, 10, 11, 12 1 year, 1 credit

This is a full year continuation level course for all choir students. Students will be placed in ability based ensembles. Placement in the entry level ensemble is open to all students. Placement in an advanced ensemble is dependent upon a vocal audition. Students will focus on improving their singing skills in a group setting. Students will also participate in regional events, state events, and perform several times during the year. Participation and attendance at all performances is required.

Vocal/Choral Music II - 10, 11, 12 1 year, 1 credit

This is a full year continuation level course for all choir students. Students will be placed in ability based ensembles. Placement in an advanced ensemble is dependent upon a vocal audition. Students will focus on improving their singing skills in a group setting. Students will also participate in regional events, state events, and perform several times during the year. Participation and attendance at all performances is required.

Vocal/Choral Music III - 11, 12 1 year, 1 credit

This is a full year continuation level course for all choir students. Students will be placed in ability based ensembles. Placement in an advanced ensemble is dependent upon a vocal audition. Students will focus on improving their singing skills in a group setting. Students will also participate in regional events, state events, and perform several times during the year. Participation and attendance at all performances is required.

Vocal/Choral Music IV - 12 1 year, 1 credit

This is a full year continuation level course for all choir students. Students will be placed in ability based ensembles. Placement in an advanced ensemble is dependent upon a vocal audition. Students will focus on improving their singing skills in a group setting. Students will also participate in regional events, state events, and perform several times during the year. Participation and attendance at all performances is required.

MUSIC - INSTRUMENTAL

Middle School Orchestra – 8, 9 - 1 year

Prerequisites: previous orchestra experience and teacher recommendation

This is a continuation level course for students with one or more years of previous orchestra experience. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of intermediate level orchestra music. Students will participate in multiple concerts throughout the year as well as region orchestra events.

Middle School Band - 8 - 1 year

Prerequisites: previous band experience and teacher recommendation

This is a continuation level course for band students with at least one year of band experience. This band will be divided into two ability-based bands in the fall. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of intermediate level band music. Students will participate in multiple concerts throughout the year as well as possible region events.

Jazz Band I - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

Jazz band focuses on the performance, study, and development of music written specifically for the jazz band. Students in jazz band will be required to perform in a variety of events throughout the school year. The ability to read music is considered essential to this class. Students must also be enrolled in Instrumental Music I, II, III, or IV unless approved by the director of bands.

Jazz Band II - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Jazz I course completion with a C or better or teacher recommendation

Jazz Band II is a continuation course for students with at least 1 year of Jazz Band experience. Jazz band focuses on the performance, study, and development of music written specifically for the jazz band. Students in jazz band will be required to perform in a variety of events throughout the school year. The ability to read music is considered essential to this class. Students must also be enrolled in Instrumental Music I, II, III, or IV unless approved by the director of bands.

Jazz Band III – 11,12 - 1 year, 1 credit

Prerequisites: previous Jazz II course completion with a C or better or teacher recommendation

Jazz Band III is a continuation course for students with at least 2 years of Jazz Band experience. Jazz band focuses on the performance, study, and development of music written specifically for the jazz band. Students in jazz band will be required to perform in a variety of events throughout the school year. The ability to read music is considered essential to this class. Students must also be enrolled in Instrumental Music I, II, III, or IV unless approved by the director of bands.

Jazz Band IV - 12 - 1 year, 1 credit

Prerequisites: previous Jazz III course completion with a C or better or teacher recommendation

Jazz Band IV is a continuation course for students with at least 3 years of Jazz Band experience. Jazz Band focuses on the performance, study, and development of music written specifically for the jazz band. Students in jazz band will be required to perform in a variety of events throughout the school year. The ability to read music is considered essential to this class. Students must also be enrolled in Instrumental Music I, II, III, or IV unless approved by the director of bands.

Instrumental Music I - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous band experience and teacher recommendation

This is a continuation level course for high school students with at least two years of middle or junior high band experience. Students will be split into auditioned groups--symphonic and concert. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of high school level band music. Students will participate in concerts throughout the year as well as region and state band events. Students will be auditioned and split into two or three ensembles--wind ensemble, symphonic band and/or concert band.

Instrumental Music II - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Instrumental I course completion with a C or better or teacher recommendation

This is a continuation level course for high school level students with at least one year of previous high school band experience. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of high school level band music. Students will participate in multiple concerts

MUSIC - INSTRUMENTAL CONTINUED...

as well as region and state band events. Students will be auditioned and split into two or three ensembles--wind ensemble, symphonic band and/or concert band.

Instrumental Music III – 11, 12 - 1 year, 1 credit

Prerequisites: previous Instrumental II course completion with a C or better or teacher recommendation

This is a continuation level course for high school level students with at least two years of previous high school band experience. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of high school level band music. Students will participate in multiple concerts throughout the year as well as region and state band events. Students will be auditioned and split into two or three ensembles--wind ensemble, symphonic band and/or concert band.

Instrumental Music IV - 12 - 1 year, 1 credit

Prerequisites: previous Instrumental III course completion with a C or better or teacher recommendation

This is a continuation level course for high school level students with at least three years of previous high school band experience. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of high school level band music. Students will participate in multiple concerts throughout the year as well as region and state band events. Students will be auditioned and split into two or three ensembles--wind ensemble, symphonic band and/or concert band.

Guitar – 9, 10, 11, 12 - 1 year, 1 credit

Guitar Teacher Signature, Payment of $20 Guitar Fee. This class covers the fundamentals of playing the guitar. Students at an entry-level will develop technique on the instrument by learning to read, perform, and create music. Group ensemble skills as well as individual progress will be emphasized. Students will participate in multiple concerts throughout the year.

Beginning Piano - 9, 10, 11, 12 - 1 year, 1 credit

Piano Teacher Signature, Purchase of Piano Book. Students learn the fundamentals and basics of playing the piano through performance of music. Emphasis is placed on proper technique and traditional piano literature. This class is for students who want to learn piano and it is not required to take other music classes.

Piano for Music Students - 9, 10, 11, 12 1 year, 1 credit

Music Teacher Signature, Purchase of Piano Book: This course is designed for only students who are currently enrolled in a music ensemble, an advanced music class, or who previously took Beginning Piano.

MUSIC - ADVANCED

Introduction to Music Theory & Technology -10, 11, 12 - 1 year, 1 credit

Prerequisite: 1 year of a high school level music class, must be enrolled in a music ensemble, approval by teacher

This course will cover the fundamentals of written music. Students examine components of music composition, melody, harmonic theories, and other concepts. Students analyze music from different historical periods and develop notation, aural, and sight-reading skills. Emphasis is placed on the application of rhythm, melody, harmony, form, and other compositional devices into original compositions. Knowledge of music literacy is required.

AP Music Theory – 11,12 - 1 year, 1 credit

Prerequisite - 2 years of a high school level music class, music theory, or Piano I or II, must be enrolled in a music ensemble, approval by teacher

The AP Music Theory Course is designed to give the student an understanding of music theory, sight reading, and aural skills that is equivalent to that of a first-year college music

student. It is also designed with the purpose of preparing the student for the AP Music Theory Exam. The course content and presentation will adhere to the guidelines set forth by the College Board in the Music Theory Course Description. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. The course also includes creative tasks, such as the harmonizing of a melody by selecting the voicing for appropriate chords, composing a musical bass line to provide two – voice counterpoint, or the realization of figured – bass notation. Knowledge of music literacy is required.

Sound and Recording Technology - 12
1 year, 1 credit

Prerequisite - 2 years of performing ensemble or Piano I, Music Theory or AP Music Theory, Music Technology, Approval of teacher

Students will explore the fundamentals of audio recording techniques. Topics include basics of sound, room acoustics, electronics, microphones, microphone techniques, loudspeakers, and operating principles of common recording equipment including mixerboards and digital audio workstations.

Music Composition - 12 - 1 year, 1 credit

Prerequisite - performing ensemble each year, Music Theory or AP Music Theory, Approval of teacher

Students will apply knowledge of music notation and theory to create original compositions for a variety of instruments and ensembles, including acoustic and electronic mediums. Topics will include compositional process, musical style, influence and inspiration, advanced notation, and rehearsal techniques for composition premieres. Students will discover the music and compositional processes of historical and contemporary composers. Career opportunities for composers/arrangers will also be explored.

Music Education Internship - 12
1 year, 1 credit (local only)

Prerequisite - performing ensemble each year, Piano I or Music Theory, AP Music Theory, Approval of Teacher.

Students who are serving in a music internship capacity will be enrolled in a music ensemble to serve as a teaching assistant to the director. This internship experience will be reserved for ONLY those who will be pursuing music as a major in college.

PHYSICAL EDUCATION

Physical Education/Health – 8 *(9-12)** - 1 year, 0.5 PE credit, 0.5 Health credit

In Physical Education, the main goal is to promote movement and to inspire students to lead a healthier lifestyle. In addition, students will be taught essential body management skills, develop teamwork, sportsmanship, and to cooperate with peers. Students will also have access to a top-notch fitness center.

*Note: *8th graders will meet state health requirements with this course. Available for 9-12 for students who did not complete course in 8th grade.*

Cross Country/ Track & Field - 8*, 9, 10, 11, 12 1 year, 1 credit

Cross country running is a team sport in which runners compete to complete a course over open or rough terrain. The courses at these events include grass, mud, woodlands, hills, flat ground and water. Track and Field is a sport that consists of several events. These events include athletics such as running, jumping, and throwing. Most events are individual but a few, like relay events, involve a team. Team competitions allocate points to events and athletes gain points to their team's total by finishing high in individual events.

*Note: *8th graders will meet state health requirements with this course.*

Soccer - Grades 8*, 9 - 1 year, 1 credit

The Soccer Athletics Class/Team is designed to develop technical skills, tactics, and fitness. Players will be taught the fundamentals of soccer including skills, defensive and attacking tactics, rules, and sportsmanship. The program will be structured to give students the opportunity to improve in soccer, to represent the DTSOI, and the ability to teach others.

*Note: *8th graders will meet state health requirements with this course.*

Tennis – 8*, 9, 10, 11,12 - 1 year, 1 credit

The Tennis Athletics Class/Team/Practice is designed to develop proper grips, stroke production, footwork, strategies, conditioning. Players will be taught the fundamentals of tennis including skills, singles and doubles strategies, rules, proper etiquette, and physical fitness. Students are encouraged to practice what they learn and play matches on their own when possible. The program will be structured to give students the opportunity to grow, succeed, and represent DTSOI.

*Note: *8th graders will meet state health requirements with this course.*

PROGRAM & SOFTWARE DEVELOPMENT

Computer Science I - 8*, 9, 10, 11, 12 1 year, 1 credit

This course is designed to provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. Students will explore, apply, and move toward mastery in skills and concepts related to computational thinking and problem solving; data and information; algorithms and programs; computers and communications, and community, global, and ethical impacts. Students will use modern technology and industry-caliber programming languages to address real-world problems.

*Note: *8th graders must be enrolled in Advanced Alegbra I and Advanced Physical Science.*

Programming II - 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous programming I course completion with C or better or teacher recommendation

This course is a student-led, self-paced exploration of both advanced computer science concepts and cutting-edge languages, frameworks and tools. Using an Agile/DevOps methodology, students will create or extend a product of their own design, document their code and reflect on the skills they have acquired throughout the process. Students should expect to collaborate with subject matter experts in education and/or industry and will present their final product to a review board.

Game Design & Development II - 9, 10, 11, 12 1 year, 1 credit

Prerequisites: previous programming I course completion with C or better or teacher recommendation

This course will be an introductory course to planning, designing, and developing video games and/or virtual environments.

AP Computer Science Principles - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking, and inviting students to understand how computing changes the world. Students develop innovative computational artifacts using the same creative processes artists, writers, computer scientists, and engineers use to bring ideas to life.

AP Computer Science Application - 9, 10, 11, 12 - 1 year, 1 credit

Prerequisites: teacher recommendation

The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course focuses exclusively on the Java programming language - addressing both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

THEATRE

Theatre I - 8, 9, 10, 11, 12 - 1 year, 1 credit

Theatre I is a course designed to teach the beginning concepts of the theatrical arts, including aspects of creating, performing, responding, and connecting to theatre and its ideals. Within "creating," students learn to organize and develop artistic ideas and work. In "performing," students learn to present artistic work through presentation, while at the same time analyzing and interpreting theatrical pieces. With the "responding" concept, students perceive and analyze artistic works such as seeing live theatre and/or mixed media and analyzing or critiquing the work. When students learn the "connecting" aspect, they will relate knowledge and personal experiences to art. Each student will be required to stay after school or come in on the weekend on certain days to help prepare for performance.

Theatre II - 9, 10, 11, 12 - 1 year, 1 credit

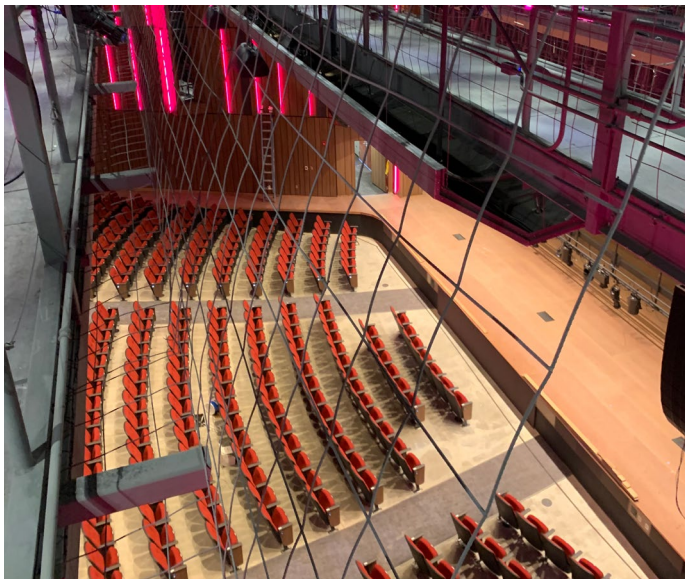
Prerequisites: previous Theatre I course completion with C or better or teacher recommendation

In Theatre II, students will delve more deeply into creating, performing, responding, and connecting to theatre concepts and its ideals in society, their own lives, and the world. In "creating," students will develop a deeper understanding of characterization and developing an artistic work. In "performing," students will analyze, select, and interpret theatrical pieces. In "responding," students apply criteria to evaluate artistic work. Finally, in "connecting," students will relate knowledge and personal experiences to art, as well as deepen understanding through societal and historical knowledge and context. Each student will be required to stay after school or come in on the weekend on certain days to help prepare for performance.

Theatre III - 10, 11, 12 - 1 year, 1 credit

Prerequisites: previous Theatre II course completion with C or better or teacher recommendation

In Theatre III, advanced students will create a focus in either stagecraft or performance areas and will delve deeply into creating, performing, responding, and connecting to theatre concepts and its ideals in society, their own lives, and the world. In "creating," students will develop a deeper understanding of characterization and developing an artistic work. In "performing," students will analyze, select, and interpret theatrical pieces. In "responding," students apply criteria to evaluate artistic work. Finally, in "connecting," students will relate knowledge and personal experiences to art, as well as deepen understanding through societal and historical knowledge and context. Each student will be required to stay after school or come in on the weekend on certain days to help prepare for performance.



Theatre IV - 11, 12 - 1 year, 1 credit

Prerequisites: previous Theatre III course completion with C or better or teacher recommendation

In Theatre IV, advanced students will master the skills needed to direct drama/theatre experiences, and will delve deeply into creating, performing, responding, and connecting to theatre concepts and its ideals in society, their own lives, and the world. In "creating," students will develop a deeper understanding of characterization and developing an artistic work. In "performing," students will analyze, select, and

THEATRE CONTINUED...

interpret theatrical pieces. In "responding," students apply criteria to evaluate artistic work. Finally, in "connecting," students will relate knowledge and personal experiences to art, as well as deepen understanding through societal and historical knowledge and context. Each student will be required to stay after school or come in on the weekend on certain days to help prepare for performance.

Technical Theatre I - 9, 10, 11, 12
1 year, 1 credit

Technical Theatre I is a two-semester course which provides students with exposure to and/or experience in elements of technical theatre, including scenery, props, lighting, sound, costume, and makeup. Each student will be required to stay after school or come in on the weekend on certain days to help prepare for performance.

Technical Theatre II - 10, 11, 12
1 year, 1 credit

Prerequisites: previous Technical Theatre I course completion with a C or better or teacher recommendation

Technical Theatre II is a two-semester course which allows students to advance their skills in elements of technical theatre through practical experience, with new instruction in design. Each student will be required to stay after school or come in on the weekend on certain days to help prepare for performance.

CAREER PRACTICUM / INTERNSHIP

Career Practicum - 11, 12 - 1 year, 1 credit

Prerequisite: Previous course completion or enrollment with a C or better in two CTE career pathway courses or teacher recommendation.

Career Practicum is designed to assist students in their specific CTE career pathway areas and to help them successfully transition from school to career. This course is eligible for an employer tax credit and may count toward becoming a completer. Career Practicum is a worksite-learning option, designed for high school students, that includes a combination of classroom instruction and paid or unpaid worksite training ending with an approved credential

Internship - 10th - 12th - 1 year, 1 credit

Teacher recommendation required. Internship is experiential learning that can be paid or unpaid which integrates knowledge and theory learning in the classroom with practical application and skills development in a professional setting. Students in grade 10th - 12th are eligible to enroll in this course. It will not count toward concentrator status.

ACCELER.
PATHWAY

ac·cel·er·ate
**\ ak-sel-uh-reyt **

verb
NORTH AMERICAN
to cause faster or greater activity, development, progress, advancement, etc.

ATED
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NORTHWEST ARKANSAS COMMUNITY COLLEGE

TO VIEW COURSE DESCRIPTIONS VISIT, HTTPS://WWW.NWACC.EDU/CATALOGS/DEFAULT.ASPX .

Associate of Art				
Course Code	**Course**	**Location**	**Semester**	**Credits**
9th Grade				
514000	COMM 1303 Public Speaking	Online	Fall/Spring	3
580900	HLSC 2103 Nutrition in Health	DTSOI	Fall/Spring	3
559000	ARHS 1003 Art Appreciation	DTSOI	Fall/Spring	3
10th Grade				
579920	HIST 2003 U.S. History to 1877	DTSOI	Fall	3
579911	HIST 1033 World Civilization to 1500	DTSOI	Spring	3
590300	CISQ 1103 Intro to Computer Information	Online	Fall/Spring	3
579900	PSYC 2003 Psychology	Online	Fall/Spring	3
	Directed Elective	Online	Fall/Spring	3
11th Grade				
539910	MATH 1203 College Algebra	DTSOI	Fall	3
519930	ENGL 1013 English Composition I	DTSOI	Fall	3
519935	ENGL 1023 English Composition II	DTSOI	Spring	3
579930	PLSC 2003 American Government	Online	Fall/Spring	3
529910	BIOL 1544 Principles of Biology	DTSOI	Fall	4
529901	BIOL 1604 General Zoology	DTSOI	Spring	4
12th Grade				
529930	CHEM 1104 Chemistry in the Modern World	Online	Fall	4
519902	ENGL 2213 Survey of World Literature	Online	Fall/Spring	3
549910 579905	Foreign Language/Philosophy	Online	Fall/Spring	3
	Directed Elective	Online	Fall/Spring	3
	Directed Elective	Online	Fall/Spring	3
				60

DIRECTED ELECTIVES: ANTHROPOLOGY, ART HISTORY, ART ASTRONOMY, ENVIRONMENTAL SCIENCE, ELEMENTARY SPANISH I, ELEMENTARY SPANISH II, PHILOSOPHY, SOCIOLOGY, SURVEY OF CALCULUS

Associate of Sciences				
Course Code	**Course**	**Location**	**Semester**	**Credits**
9th Grade				
514000	COMM 1303 Public Speaking	Online	Fall/Spring	3
580900	HLSC 2103 Nutrition in Health	DTSOI	Fall/Spring	3
559000	ARHS 1003 Art Appreciation	DTSOI	Fall/Spring	3
10th Grade				
579920	HIST 2003 U.S. History to 1877	DTSOI	Fall	3
579911	HIST 1033 World Civilization	DTSOI	Spring	3
590300	CISQ 1103 Intro to Computer Information	Online	Fall/Spring	3
579900	PSYC 2003 Psychology	Online	Fall/Spring	3
11th Grade				
539910	MATH 1203 College Algebra	DTSOI	Fall	3
519930	ENGL 1013 English Composition I	DTSOI	Fall	3
519935	ENGL 1023 English Composition II	DTSOI	Spring	3
579930	PLSC 2003 American Government	Online	Fall/Spring	3
529910	BIOL 1544 Principles of Biology	DTSOI	Fall	4
529901	BIOL 1604 General Zoology	DTSOI	Spring	4
12th Grade				
529930	CHEM 1104 Chemistry in the Modern World	Online	Fall	4
519902	ENGL 2213 Survey of World Literature	Online	Fall/Spring	3
	Science Elective	Online	Fall/Spring	4
	General Elective	Online	Fall/Spring	3
	General Elective	Online	Fall/Spring	3
	General Elective	Online	Fall/Spring	3
				61

GENERAL ELECTIVES: ECONOMICS, FOREIGN LANGUAGE, GOVERNMENT, MUSIC, PHILOSOPHY, SOCIOLOGY, SURVEY OF CALCULUS. SCIENCE ELECTIVES: ASTRONOMY, ENVIRONMENTAL SCIENCE, GEOLOGY, PHYSICAL SCIENCE

NORTHWEST ARKANSAS COMMUNITY COLLEGE

TO VIEW COURSE DESCRIPTIONS VISIT, HTTPS://WWW.NWACC.EDU/CATALOGS/DEFAULT.ASPX .

Sam M. Walton College of Business Pathway				
Course Code	**Course**	**Location**	**Semester**	**Credits**
9th Grade				
514000	COMM 1303 Public Speaking	Online	Fall/Spring	3
590300	CISQ 1103 Intro to Computer Information	Online	Fall/Spring	3
559000	ARHS 1003 Art Appreciation	DTSOI	Fall/Spring	3
10th Grade				
	BLAW 2013 Legal Environment of Business	Online	Fall/Spring	3
579920	HIST 2003 U.S. History to 1877	DTSOI	Fall	3
519930	ENGL 1013 Composition I	DTSOI	Fall	3
519935	ENGL 1023 Composition II	DTSOI	Spring	3
11th Grade				
539910	MATH 1203 College Algebra	DTSOI	Fall	3
	MATH 2053 Finite Math	DTSOI	Spring	3
	Natural Science Course - 4 hours	Online	Fall/Spring	4
	ECON 2013 Macroeconomics	Online	Fall/Spring	3
	ECON 2023 Microeconomics	Online	Fall/Spring	3
12th Grade				
	ACCT 2013 Accounting I	Online	Fall	3
	ACCT 2023 Accounting II	Online	Spring	3
	BUTR 1033 Data Analysis & Interpretation	Online	Spring	3
	ENGL 2213 World Literature	Online	Fall/Spring	3
	MATH 2043 Survey of Calculus	DTSOI	Fall	3
				52

* COURSES ARE BEING FINALIZED AND SUBJECT TO CHANGE PENDING DISTRICT APPROVAL. ADDITIONAL HOURS WILL BE NEEDED TO OBTAIN AN ASSOCIATE OF BUSINESS AFTER GRADUATION.

Graphic Design Pathway				
Course Code	**Course**	**Location**	**Semester**	**Credits**
9th Grade				
	ART 1303 Drawing I	DTSOI	Fall/Spring	3
	ART 1313 Design I	DTSOI	Spring	3
	ART 2863 Digital Photography	DTSOI	Fall	3
10th Grade				
519930	ENGL 1013 English Composition I	DTSOI	Fall	3
519935	ENGL 1023 English Composition II	DTSOI	Spring	3
	ART 1323 3D Design	DTSOI	Fall/Spring	3
	ARHS 2913 Art History I or ARHS 2923 Art History II	Online	Fall/Spring	3
	ART 2103 Painting I or ART 2123 Watermedia I	DTSOI	Fall/Spring	3
	ART 2363 Graphic Design I	DTSOI	Spring	3
11th Grade				
	ART 2373 Graphic Design II	DTSOI	Fall	3
	ART 2003 Drawing II or ART 2113 Painting II or ART 2133 Watermedia II	DTSOI	Fall/Spring	3
	ARHS 2823 History of Photography & Graphic Design	TBD	Fall/Spring	3
	ART 2333 Color Studies	DTSOI	Spring	3
	ART 2383 Graphic Design III	DTSOI	Spring	3
	ART 2833 Video Production/Editing or ART 2903 Web Application Design	DTSOI	Fall/Spring	3
12th Grade				
539910	MATH 1203 College Algebra	DTSOI	Fall	3
	ART 2393 Advanced Graphic Design	DTSOI	Fall/Spring	3
	ART 2953 Internship	DTSOI	Fall/Spring	3
	ART 2433 Digital Illustration	DTSOI	Fall/Spring	3
	Social Science Elective	Online	Fall/Spring	3
				60

*** COURSES ARE BEING FINALIZED AND SUBJECT TO CHANGE PENDING DISTRICT APPROVAL. ADDITIONAL HOURS WILL BE NEEDED TO OBTAIN AN ASSOCIATE OF GRAPHIC DESIGN AFTER GRADUATION.**

SECONDARY CAREER CENTER PATHWAYS

A SECONDARY CAREER CENTER (INNOVATION CAREER CENTER) ALLOWS STUDENTS TO ENROLL IN PROGRAMS/COURSES THAT PROVIDE TECHNICAL PERMITS AND/OR CONCURRENT CREDIT (COLLEGE CREDIT) AT NO CHARGE TO THE STUDENT. THESE PROGRAMS ARE FUNDED THROUGH THE OFFICE OF SKILLS DEVELOPMENT.

Industry Pathways Northwest Technical Institute (NWTI)	
	Diesel Technology
10 - 12	NWTI– Diesel Tech (2 blocks/daily/yearlong)
	Industrial Technology
10 - 12	Industrial Technology I/II (2 blocks/daily, yearlong)
10 - 12	Industrial Technology III/IV (2 blocks/daily, yearlong)

Concurrent (CC) enrollment through NWTI for the courses listed above requires a student to meet the following criteria:

ACT Aspire: Reading Comp 428 and Math 434

ACT: English 10 and Math 16

Accuplacer: Reading 224 and Arithmetic 222

Pathways through Northwest Community College (NWTI)	
	Certified Nursing Assistant
11 - 12	CC Certified Nursing Assistant
	Emergency Medical Technician
11 - 12	Emergency Medical Responder (EMR)
11 - 12	Emergency Medical Technician (EMT)
	Healthcare Pathway
9 - 12	CC Biology
9 - 12	CC Medical Terminology

Concurrent (CC) enrollment through NWTI for the courses listed above requires a student to meet the following criteria:

ACT Aspire: Reading Comp 428 or Above

ACT: Reading 19 or Above

Accuplacer: Reading 252 or Above

VIRTUAL INNOVATI ACADEMY

VIRTUAL LEARNER, CRITICAL THINKING,

23-24 course catalog

ION

Y

, COLLABORATION

VIA DTSOI
K-5 fledglings

VIA
DON TYSON SCHOOL OF INNOVATION
VIRTUAL INNOVATION ACADEMY

VIA DTSOI serves learners in grades K -12 who desire flexibility in course pacing, a variety of course choices and a more individualized learning setting. Certified Springdale Public Schools teachers guide learning and offer support and meaningful feedback.

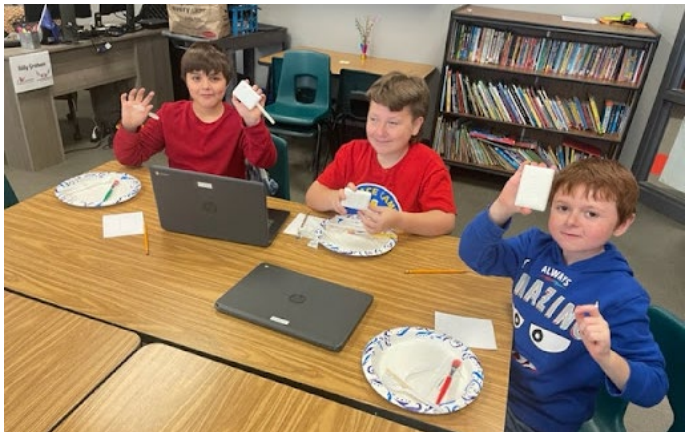
Students, teachers, and families work together to collaborate and communicate to ensure virtual learner success. Email, Zoom, learning contracts, training for family learning coaches, interactive discussions, and in-person support are all success tools employed at VIA.

Inquiry-based challenging assignments and assessments engage learners by identifying new solutions and personal pathways to achieve. Innovative pacing options and assignment choices push students to grow academically and personally.

VIA DTSOI

K-5 fledglings

23-24 course catalog



VIRTUAL INNOVATION ACADEMY
KINDERGARTEN - FIFTH GRADE

The Virtual Innovation Academy at Don Tyson School of Innovation K-5 program provides personalized, innovative and self-paced instruction through a flexible learning environment.

Students will complete a majority of their work asynchronously, or independently and on their own schedule, by using our different learning management systems (LMSs). LMSs may include MyPath, LexiaCore5, Seesaw (K - 2), IXL math and Google Classroom (3 - 5). Schedules are flexible and a personalized partnership between VIA teachers, students and their learning coaches are keys to success. Virtual students are also required to attend a set number of synchronous learning sessions with their classmates and teacher to work on academic skills and to participate in social and emotional learning activities. The K - 5 VIA program provides English Language Development (ELD), special education services, gifted and talented classes and counseling services for qualified students.

Virtual Innovation Academy students have an option to attend field experiences with their teachers and classmates throughout the Northwest Arkansas Community and to attend on-site class days at our virtual campus which incorporate a variety of STREAM activities.

VIA teachers are highly qualified, Springdale Public Schools teachers and all courses meet or exceed the Arkansas Department of Education curriculum standards. All teachers are trained in Phonics First strategies and Science of Reading strategies - R.I.S.E. Arkansas.

Please email viadtsoi@sdale.org for more information

DON TYSON SCHOOL OF INNOVATION

VIRTUAL INNOVATION ACADEMY

6-12 GRADE
ENGLISH LANGUAGE ARTS

English Language Arts – 6- 1 year

VIA course offered through Edgenuity. This course eases students' transition to middle school with engaging, age-appropriate literary and informational reading selections. Students learn to read critically, analyze texts and cite evidence to support ideas as they read essential parts of literary and informational texts and explore a full unit on Lewis Carroll's classic novel, Through the Looking Glass. Vocabulary, grammar and listening skills are sharpened through lessons that give students explicit modeling and ample practice. Students also engage in routine, responsive writing based on texts read. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical and argumentative formats. In this full-year course, students develop a mastery of reading, writing and language arts skills.

English Language Arts – 7- 1 year

VIA course offered through Edgenuity. Students grow as readers, writers and thinkers in this middle school course. With engaging literary and informational texts, students learn to think critically, analyze an author's language and cite evidence to support ideas. Students complete an in-depth study of Jack London's classic novel White Fang and read excerpts from other stories, poetry and nonfiction. Explicit modeling and many opportunities for practice help students sharpen vocabulary, grammar and listening skills. Students also respond routinely to texts read. In extensive, process based writing lessons, students write topical essays in narrative, informative, analytical and argumentative formats. In this full year course, students develop a mastery of reading, writing and language arts skills.

English Language Arts – 8 - 1 year

VIA course offered through Edgenuity. Students will build on their knowledge and blossom as thoughtful readers and clear, effective writers. A balance of literary and informational texts engage students throughout the course in reading critically, analyzing texts and citing evidence to support claims. Students sharpen their vocabulary, grammar and listening skills through lessons designed to provide explicit modeling and many opportunities to practice. Students also routinely write responses to texts they have read and use more extensive, process-based lessons to produce full-length essays in narrative, informative, analytical and argumentative formats. In this full-year course, students develop a mastery of reading, writing and language arts skills.

English Language Arts –9 - 1 year, 1 credit

VIA course offered through Edgenuity. This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez and Maya Angelou round out the course.

English Language Arts – 10 - 1 year, 1 credit

VIA course offered through Edgenuity. Focusing on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative and compare-contrast essays.

English Language Arts - 11 - 1 year, 1 credit

VIA course offered through Edgenuity. This junior-year course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan and Dave Eggers.

English Language Arts – 12 - 1 year, 1 credit

VIA course offered through Edgenuity. This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China and Spain.

DON TYSON SCHOOL OF INNOVATION
VIRTUAL INNOVATION ACADEMY

6-12 GRADE
SOCIAL STUDIES

World History - 6 - 1 year

VIA course offered through Edgenuity providing Middle School students with an opportunity to learn the diverse history that has shaped our world, this course delves into the evolution of civilization from the rise of ancient empires through the twenty-first century. Middle school students enrolled in this exciting and informative course investigate the development of medieval societies, the effects of the Renaissance and the Reformation and the progress made during various periods of revolution, industrialization, urbanization and reform. Over the course of two semesters, students analyze effects of political conflicts and social issues on the continuing development and interdependence among nations in the modern world.

Social Studies – 7 - 1 year

VIA course offered through Edgenuity and Schoology that prepares student literacy and the ability to problem solve using historical context as a medium for their academic success. Students will engage in inquiry of world geography and Arkansas History with a combination of literature and real-world texts. This course will develop a growth mindset through current and relevant events/ideas and allow students to apply their learning. Students practice reading, writing and critical thinking skills.

US History 8 - 1 year

VIA course offered through Edgenuity with an interactive and comprehensive overview of American history. This course engages and inspires students to learn about the rich and diverse history of America's native peoples, early European colonization and settlement in America and the creation of a new nation through the American Revolution. Middle school students enrolled in this course will closely examine major changes brought about by the nation's reconstruction, industrialization, urbanization and progressive reforms and consider the implications each of these events had on the expansion of the United States' global influence through modern times. Over the course of two semesters, interesting course content encourages students to think carefully about the challenges and opportunities facing the United States in the twenty-first century.

Civics – 9, 10, 11, 12 - 1 semester, .5 credit

VIA course offered through Edgenuity. The focus of Civics is the application of civic virtues and democratic principles and investigation of problem solving in society. This course provides a study of the structure and functions of federal, state and local government. Civics also examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest

groups and the importance of civic participation in the democratic process. Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual and written forms. Students must be able to select and evaluate sources, draw and build upon ideas, explore issues, examine data and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens.

Economics –10, 11, 12 - 1 semester, .5 credit

VIA semester course offered through Schoology that emphasizes economic and personal finance decision-making. Students will explore the interrelationships among consumers, producers and resources as well as the interrelationships between national and global economies. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on career and future earning potential. Skills and Application Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources, data and other graphic evidence and communicate responses in multiple ways, including oral, visual and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens.

American US History – 9, 10, 11, 12 - 1 year, 1 credit

VIA course offered through Edgenuity that examines major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures and among multiple perspectives.

World History –10, 11, 12 - 1 year, 1 credit

VIA course offered through Edgenuity that examines the major events and turning points of world history from the Enlightenment to the present Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

Introduction to Psychology – 10, 11, 12 1 semester, .5 credit

This course is offered through Edgenuity. In this course, students will become familiar with the basic principles of psychology and the scientific method. Students will study a variety of topics, including the brain, learning and memory, personality, social influence, child and lifespan development, and psychopathology. Students will demonstrate the application of these topics to everyday situations. Upon course completion, students will be able to identify foundational philosophies, therapies, and specializations in the field of psychology; analyze developmental psychology across lifespans; and identify theories of personality and personality assessment.

Introduction to Sociology –10, 11, 12 1 semester, .5 credit

This course is offered through Edgenuity. This course will encompass the basic principles of sociology. Students will learn a variety of topics including sociological theory and basic research methods, as well as specific theories of culture, deviance, social interaction, diversity, stratification, education, technology, and health in modern society. Students will demonstrate the application of these topics to everyday situations.

AP Psychology –11, 12 - 1 year, 1 credit

VIA course offered through Edgenuity will introduce students to the systematic study of the behavior and mental processes of human means and animals. Students are exposed to the psychological facts, principles and phenomena associated with the major fields within psychology. Students also learn about the methods psychologists use in their science and practice. The major aim of this course is to provide each student with a learning experience equivalent to that obtained in most introductory college psychology courses. In addition, this course has been designed to help students successfully achieve a passing score on the AP® Psychology exam.

6-12 GRADE MATH

Math 6 – 1 year

This course is offered through Edgenuity and is aligned with state common core standards. It begins by connecting ratio and rate to multiplication and division, allowing students to use ratio reasoning to solve a wide variety of problems. Students further apply their understanding of multiplication and division to explain the standard procedure for dividing fractions. This course builds upon previous notions of the number system to now include the entire set of rational numbers. Students begin to understand the use of variables as they write, evaluate, and simplify expressions. They use the idea of equality and properties of operations to solve one-step equations and inequalities. In geometry students reason about relationships among shapes to determine area, surface area, and volume. The course concludes with statistics, students explore different graphical ways to display data. They use data displays, measures of center, and measures of variability to summarize data sets.

Math 7– 1 year

This course is offered through Edgenuity and is aligned with state common core standards. It begins with an in-depth study of proportional reasoning during which students utilize concrete models such as bar diagrams and tables to increase and develop conceptual understanding of rates, ratios, proportions, and percentages. Students' number fluency and understanding of the rational number system are extended as they perform operations with signed rational numbers embedded in real-world contexts. In

statistics, students develop meanings for representative samples, measures of central tendency, variation, and the ideal representation for comparisons of given data sets. Students develop an understanding of both theoretical and experimental probability. Throughout the course, students build fluency in writing expressions and equations that model real-world scenarios. They apply their understanding of inverse operations to solve multi-step equations and inequalities. Students build on their proportional reasoning to solve problems about scale drawings by relating the corresponding lengths between objects. The course concludes with a geometric analysis of angle relationships, area, and volume of both two- and three-dimensional figures.

Advanced Math 7– 1 year

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

This course is offered through Edgenuity and prepares students to begin a more formal high school Algebra I study the following year. This course is designed for students seeking an advanced math track into high school courses. It reviews key algebra readiness skills and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions.

Math 8– 1 year

This course is offered through Edgenuity. It begins with a unit on input-output relationships that builds a foundation for learning about functions. Students make connections between verbal, numeric, algebraic, and graphical representations of relations and apply this knowledge to create linear functions that can be used to model and solve mathematical and real-world problems. Technology is used to build deeper connections among representations. Students focus on formulating expressions and equations, including modeling an association in bivariate data with a linear equation, and writing and solving linear equations and systems of linear equations. Students develop a deeper understanding of how translations, rotations, reflections, and dilations of distances and angles affect congruency and similarity. Students develop rules of exponents and simplify exponential expressions. Students extend rules of exponents as they perform operations with numbers in scientific notation. Estimating and comparing square roots of non-perfect squares to perfect squares exposes students to irrational numbers and lays the foundation for applications such as the Pythagorean theorem, distance, and volume.

Advanced Algebra I – 8, 9 - 1 year, 1 credit

Student MAP scores, ACT aspire scores, and teacher recommendations will be considered.

This course is offered through Edgenuity. It introduces students to linear, exponential, and quadratic functions by interpreting, analyzing, comparing, and contrasting functions that are represented numerically, tabularly, graphically, and algebraically. Technology is utilized within some lessons to further support students in identifying key features as well as displaying images of the functions. The course builds upon the basic concepts of functions to include transformations of linear and non-linear functions. Students deepen their understanding of quantitative reasoning, piecewise functions, and quadratic functions through performance tasks. The additional performance-based skills allow the

honors students to apply more of the concepts taught in the course. The course concludes with students analyzing data through displays and statistical analysis.

Algebra I – 9, 10, 11, 12 - 1 year, 1 credit

This course is offered through Edgenuity. It focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Geometry – 10, 11, 12 - 1 year, 1 credit

Prerequisites: Algebra I course completion with a C or better or teacher recommendation

This course is offered through Edgenuity. It formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

Quantitative Literacy 10, 11, 12 - 1 year, 1 credit

Prerequisites: Algebra I and Geometry course completion with a C or better or teacher recommendation

This course is offered in Edgenuity. It builds on Algebra I to explore mathematical topics and relationships. Emphasis will be placed on applying modeling as the process of choosing and using appropriate mathematics and statistics to analyze, to better understand, and to improve mathematical understanding in real world situations. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally. Quantitative Literacy will help students develop conceptual understanding by supporting them in making connections between concepts and applying previously learned material to new contexts.

Transitional Math - 11, 12 -1 year, 1 credit

Prerequisites: Algebra I and Geometry course completion with a C or better or teacher recommendation

This course is offered in Edgenuity. It emphasizes understanding of mathematics concepts. Students learn the context behind procedures and understand why to use a certain formula or method to solve a problem. By engaging students in real-world applications. This course develops critical thinking skills that students will use in college and their careers

Algebra II – 11, 12 - 1 year, 1 credit

Prerequisites: Algebra I course completion with a C or better or teacher recommendation

This course is offered through Edgenuity. It focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Algebra III – 11, 12 - 1 year, 1 credit

Prerequisites: Algebra II course completion with a C or better or teacher recommendation

This course is offered through Edgenuity. It is designed to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, and exponential functions. For the mature student, this course enhances the higher level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some pre-calculus concepts. An exciting part of Algebra III is the exploration of sequences and series that will be used to represent and analyze real world problems and mathematical situations. Algebra III includes a study of matrices and conics.

Pre-Calculus – 11, 12 - 1 year, 1 credit

Prerequisites: Algebra II course completion with a C or better or teacher recommendation

This course is offered through Edgenuity. It is designed as an introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

Advanced Topics & Modeling in Mathematics 11, 12 - 1 year, 1 credit

Prerequisites: Algebra I, Geometry and Algebra II course completion with a C or better or teacher recommendation

The year-long course is offered in Edgenuity. This course builds on Algebra I, Geometry, and Algebra II to explore mathematical topics and relationships beyond Algebra II. Emphasis will be placed on applying modeling as the process of choosing and using appropriate mathematics and statistics to analyze, to better understand, and to improve decisions in analyzing empirical situations. Collection and use of student-generated data should be an aspect of the course. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally.

6-12 GRADE SCIENCE

Science 6 - 1 year

This course is offered through Edgenuity. The course focuses on concepts of energy, weather and climate, structure and functions of cells, growth and development of organisms, as well as engineering processes all through the lens of human impact. They will apply their knowledge to complete interactive online virtual labs.

Science 7 - 1 year

This course is offered through Edgenuity. The course focuses on concepts of matter properties and reactions, energy and Earth's internal systems, matter cycling and energy flow, and ecosystem relationships. Students will be engaged in completing interactive virtual labs.

Science 8 - 1 year

This course is offered through Edgenuity. This course focuses on forces and interactions, non-contact forces and interactions, space systems, waves, common ancestry, adaptations, and inheritance and variation of traits. Students will apply their knowledge through interactive virtual labs. The course builds on Science 7 concepts and prepares students for Physical Science.

Physical Science – 9 - 1 year, 1 credit

This course is offered through Edgenuity. It focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses.

Astronomy - 9, 10, 11, 12 - 1year, 1credit

This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the origin of the universe, the Milky Way, and other galaxies and stars.

Biology Integrated – 10 - 1 year, 1 credit

This course is offered through Edgenuity. It engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This yearlong

course encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes virtual online lab options.

Chemistry Integrated – 11, 12 - 1 year, 1 credit

Prerequisites: Physical Science course completion with a C or better or teacher recommendation

This course is offered through Edgenuity. It focuses on studies of composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Environmental Science – 11, 12 - 1 year, 1 credit

Prerequisites: Physical Science and Biology course completion with a C or better or teacher recommendation

This course is offered through Edgenuity. Environmental science is a captivating and rapidly expanding field, and this course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

Physics Integrated – 11, 12 - 1 year, 1 credit

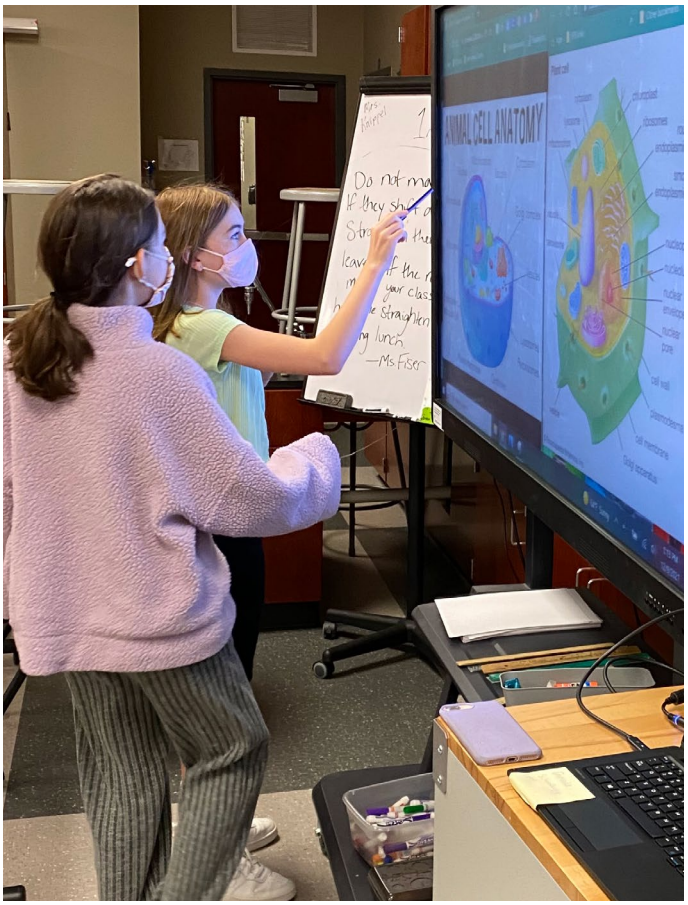
Prerequisites: Physical Science and Algebra I course completion with a C or better or teacher recommendation

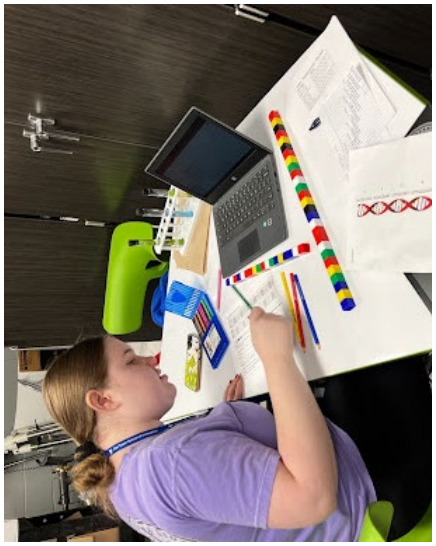
This course is offered through Edgenuity. It focuses on topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs, in which students ask questions and create hypotheses.

AP Environmental Science – 11, 12
1 year, 1 credit

Prerequisites: Biology course completion with a C or better AND teacher recommendation

This course is offered through Edgenuity. It is a laboratory- and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems. Since this is an online course, the laboratory- and field-based activities will be completed virtually and via experiments that students can easily perform at home with common materials. The course is intended to be the equivalent of a one-semester, college-level ecology course, which is taught over a full year in high school. The course encompasses human population dynamics, interrelationships in nature, energy flow, resources, environmental quality, human impact on environmental systems, and environmental law.





6-12 GRADE
COLLEGE & CAREER READINESS (CCR)

Students will enroll in the career and college preparatory courses below. Students will use these courses as a vehicle to help prepare them for college and career success, to fully experience all of the opportunities available to them, and create and manage an online portfolio through an extensive advisory-type curriculum. These courses will also serve to analyze, re-evaluate, and update students' personal academic plans annually.

College Career Readiness 6

(CCR/Tools for Learning/Advisory)

This is a course that focuses on preparing students how to be a successful DTSOI student and we begin educating students about DTSOI pathways for college and career. Incorporating the innovator's mindset, students will learn how to effectively use Schoology and Edgenuity (VIA's Learning Management Systems), email, and Google applications. Students will be required to create and maintain a progress report that incorporates an action plan for completing assignments. Knowing organization and time management are key elements of inquiry learning, students are supported and guided in ways to manage their way through the learning process.

College Career Readiness 7

(CCR/Career Development/Advisory)

This is a course that focuses on preparing students how to be a successful DTSOI student while educating students about DTSOI pathways for college and career. Incorporating the Innovations mindset, students will learn how to effectively use Schoology (DTSOI's learning management system), Google Calendar, Google Docs, Google Sheets, G-Mail, and other important Google applications. Students will be required to create and maintain a progress report that incorporates an action plan for completing assignments. Students will learn requirements to graduate high school, how to calculate GPA, how to take surveys to foster interest in future careers, as well as other important College and Career Readiness skills. During this course of study, students will also complete their 8th-grade state-required career development course.

College and Career Readiness 8 - Survey of Business - 1 year, 1 credit

(CCR/Survey of Business/Advisory)

The class Survey of Business is the foundation that encompasses the skills and knowledge necessary to be successful in any selected career pathway or academic program of study, regardless of postsecondary plans. Through this course, students will have the opportunity to earn Microsoft Office Specialists certifications in Word, Excel, and PowerPoint.

College and Career Readiness 9 - Keystone & Oral Communications - 1 year, 1 credit

(CCR/Keystone/Oral Communications/Advisory)

This course will blend Keystone state standards and Oral Communications. Keystone standards were designed to help ninth graders successfully navigate high school. Students will work to develop soft skills related to the innovator's mindset. Students will receive guidance in investigating their own interests and aptitudes in relation to possible careers and will begin developing a flexible education plan for both high school and post-secondary studies or technical training. Oral Communications provides students with an understanding of the dynamics of effective communication while speaking, listening, and responding. Students will apply the principles of ethical communication, practice communication competencies, demonstrate effective intrapersonal and interpersonal communication, and deliver a variety of formal and informal speeches.

College and Career Readiness 10 - Economics & Personal Finance - 1 year, 1 credit

(CCR/Economics/Advisory)

College and Career Readiness is the development of skills and knowledge necessary to be successful in any selected career pathway and program of study regardless of post-secondary plans. This course is fundamental for all subsequent career planning and preparation. The theory is to plan for something with a career focus and prepare for all careers with the skills employers desire. The students also receive Economics w/Personal Finance. This part of the course is designed to increase financial literacy and prepare

students to successfully manage financial resources. This course also focuses on the individual's role and financial responsibilities as a student, citizen, consumer, and active participant in the business world. The program's purpose is to prepare students to become responsible financial managers.

College and Career Readiness 11 - 1 year, 1 credit

(CCR/ACT Prep/Advisory)

Students complete ACT Prep courses 1st semester in Edgenuity. This gives students practice and exposure to questions that will be on the ACT. A Career and College Readiness course is completed 2nd semester in Edgenuity. This course helps students to begin thinking and planning for life after high school. Another focus of this class is post-secondary research, investigating education and career options. The students will take the ACT in the spring and ASVAB in the fall on-site at DTSOI.

College and Career Readiness 12 - Senior Seminar - 1 year, 1 credit

(CCR/Senior Seminar/Advisory)

Senior Seminar is a course that will include the culmination of a student's experience at VIA DTSOI. Students will use this course to facilitate their post- secondary planning experience. Activities will include ACT Workkeys curriculum, FAFSA applications, post-secondary admissions, scholarship applications, and exploring other post-high school opportunities. VIA students will be able to personalize their Senior Seminar experience to fit their future plans and their VIA experience. The student will be given options to participate in community service hours through the school year and confirm their total hours from 9-12th grade to earn their service-learning credit.

***A wide variety of high school credit-bearing electives are also offered through VIA. More details to be published here shortly. In the meantime, please contact the VIA counselor, Mrs. Nutter, with any specific questions. jnutter@sdale.org.**