



NORTH LITTLE ROCK SCHOOL DISTRICT  
OFFICE OF THE SUPERINTENDENT

AGENDA

## **Meeting Packet**

**Special Board Meeting - Board of Education**

**January 7, 2015**

**12:00 P.M.**



NORTH LITTLE ROCK SCHOOL DISTRICT  
OFFICE OF THE SUPERINTENDENT

AGENDA

**Special Board Meeting - Board of Education**

Administration Office  
2700 N. Poplar  
North Little Rock, Arkansas 72114  
Wednesday, January 7, 2015 12:00 P.M.

**I. CALL TO ORDER**

Scott Miller, President

**II. ROLL CALL OF MEMEBERS**

Scott A. Miller, President  
Luke King, Vice President  
Sandi Campbell, Secretary  
Darrell Montgomery, Disbursing Officer  
Ron Treat, Parliamentarian  
Scott Teague, Member  
Dorothy Williams, Member

**III. ACTION ITEMS - NEW BUSINESS**

**1. 2015-2016 Curriculum Guide**

**(Action)**

Presenter: Dr. Beth Stewart, Deputy Superintendent  
2015-2016 Course Catalog.pdf (p. 3)

**2. School Choice Marketing Plan**

**(Possible Action)**

Presenter: Natalie Ghidotti with Eric, Robin, Issac Advertising Agency  
School Choice Marketing Plan-Eric, Robin, Issac.pdf (p. 50)

**IV. ADJOURNMENT**



# North Little Rock High School

## Course Catalog

### 2015-16

**CONTACT**

**THESE**

**COUNSELORS**

**FOR**

**ANY**

**FURTHER**

**NEEDED**

**INFORMATION**

**FRESHMAN CAMPUS 771-8250**

Anita Bell (A-Jolly)

Kendra Leirer (Jones-Z)

**SOPHOMORE CAMPUS 771-8275**

Debbie Horton (A-F)

Cynthia Hampton (G-Z)

**WEST CAMPUS 771-8100**

Mary Taylor (A-C)

Sharon Davis (D-L)

Debbie Horton (M-P)

Gwen Leger (Q-Z)

# North Little Rock High School

## Graduation Requirements

Subject Area	Units Required	Additional Information
English	4 units	1 unit of English 9* 1 unit of English 10* 1 unit of English 11 1 unit of English 12
Mathematics	4 units	1 unit of Algebra I* 1 unit of Geometry* <b>+ 2 additional units</b>
Science	3 units	1 unit of Physical Science 1 unit of Biology* <b>+ 1 additional units</b>
Social Studies	3 units	½ unit of Civics ½ unit of Economics 1 unit of American History 1 unit of World History
Physical Education	.5 unit	
Health Education	.5 unit	
Fine Arts	.5 unit	
Oral Communication	.5 unit	
Electives	7 units	
Total	23 units	

\*to receive credit, remediation is required if not proficient or advanced on End of Course Exam

The above requirements exceed the Arkansas Standards for Accreditation. However, all college applicants are encouraged to check with their specific college/university for admission requirements.

### GRADE CLASSIFICATION

Classification is based on the number of credits earned by a student. Credit for a course is earned by completing all coursework with a 60% grade average or above. Credits may also be affected by excessive absenteeism. Students must meet the following credit criteria for grade classification:

10<sup>th</sup> Grade

5

11<sup>th</sup> Grade

10

12<sup>th</sup> Grade

16

Students can recover credits during the school year and summer through our web based credit recovery program.

## **Course Cancellations**

Courses listed in this catalogue are the identified courses the district high school offers to students for the coming school year. After students make their course requests, some courses may be cancelled if there are insufficient requests.

## **Summer School**

Students who are credit deficient will be expected to participate in the summer school APEX computer program. Dates, location, and tuition rates for summer school will be announced. Students qualifying for the free or reduced lunch program may be eligible for a fee waiver.

Driver's education may be offered in summer school. Information about specific dates and class times will be available at either campus later in the spring semester. Students must pay tuition to attend this course. Driver's education does not count in the student's GPA.

## **Grade Weighting**

Required by the Standards for Accreditation of Arkansas Public Schools as adopted in December 2003, weighted credit for AP and IB courses will be contingent upon the student successfully completing the full year of the course and taking the applicable AP or IB exam.

## **Career Focus**

The Arkansas Standards for Accreditation require public school graduates to earn 6 units in a career focus area based on the student's contemplated work aspirations. A variety of courses can qualify for this designation including English, math, science, and social studies courses.

## **"Local Credit Only" Enrollment Limit**

Non-Academic Credit Activity courses cannot be used to satisfy the 22 units of credit required for graduation by the State of Arkansas. Because District requirements exceed State requirements, some non-academic courses can be used to meet the District requirements of 23 units. Only one unit of credit may be taken/earned per year in non-academic activity courses and these grades are not calculated in the GPA.

## **Early Graduation**

Students interested in early graduation must initiate the process prior to the beginning of the junior year. The application is a request to skip the senior year. Students are still classified as juniors so they do not qualify for senior activities except graduation. Students typically take Freshman Composition I at a local college to meet the senior English requirement. Students may not take correspondence or virtual high school courses for early graduation, nor can they take any concurrent course in place of a course that ends with a state assessment. See your counselor for more information.

## **Graduation Participation**

Seniors must earn all 23 **required** graduation credits by the date of graduation to be eligible to participate in the commencement ceremony. Additionally, all financial obligations to the district must be satisfied before a diploma is awarded.

## **Eligibility to Participate in Interscholastic Competition**

(Band, Speech & Drama, Athletics, Choir, Spirit Groups, JROTC, Workforce Education Student Organizations)

Participation is governed by the rules of the Arkansas Activities Association (AAA). AAA regulations state that students in grades 10-12 must pass four subjects and attain a 2.0 GPA. *"Students passing four subjects but failing to meet the 2.0 GPA requirement must be enrolled in and attending 100 minutes per week in a Supplemental Instruction Program (SIP) in order to be eligible to participate. Students in the SIP will have one semester to improve their GPA a minimum of one tenth of a point (.1) to maintain eligibility for a second consecutive semester".* Students in 9<sup>th</sup> grade are eligible if they successfully passed four academic courses the previous semester, three of which shall be in the core curriculum areas (math, science, English, social studies). Ninth grade students must pass four academic classes to be eligible the second semester of the 9<sup>th</sup> grade year, and must meet senior high academic eligibility by the end of the second semester of 9<sup>th</sup> grade in order to play in the fall of the 10<sup>th</sup> grade year. See your coach or counselor for more information concerning eligibility.

## **North Little Rock Academy**

The North Little Rock Academy is the district's Alternative Learning Environment (ALE) secondary school designed to serve the needs of students having difficulty performing in the regular school setting. Placement at the North Little Rock Academy must be recommended by the student's school of attendance and not all students recommended are placed. The District Case Review Committee determines placement. Students and parents **may not** choose to transfer to the North Little Rock Academy. A student being recommended for placement at the North Little Rock Academy must continue to attend at the home school until the committee determines placement and the appropriate time for transition.

## **North Little Rock High School Dance Troupe**

The Dance Troupe is open to all speech, drama and dance students at North Little Rock High School. Auditions are held at the beginning of the school year. The troupe is an extracurricular dance company. The dancers participate in dance workshops and perform in two dance concerts each year. Rehearsals are held before school, after school and on the weekends. Fundraisers are held each semester to defray costume and performance costs. If you have any questions, please contact Mrs. Pitts at [pittsch@nlrsd.org](mailto:pittsch@nlrsd.org) or in the Freshman Campus Dance Studio at (501) 771-8220.

# Academic Honors

**Academic honors are based on grade weighting criteria established by the Arkansas Department of Education.**

<b>Distinguished Honor Graduate:</b> Graduate in the top 1% with a minimum GPA of 3.5 in the college core curriculum  Determined at the end of 8 semesters	<b>Honor Graduate:</b> Graduate with a minimum GPA of 3.5 in the college core curriculum  Determined at the end of 8 semesters	<b>National Honor Society:</b> Requires a 3.5 GPA in the college core curriculum at the end of the junior year  Seniors may qualify during the senior year	<b>Arkansas Department of Education Diploma Seal:</b> 2.75 GPA in the core curriculum
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## COLLEGE CORE CURRICULUM

4 units English

4 units Math

Algebra I, Geometry, Algebra II, 4th high level math

3 units Science

Physical Science, Biology, Chemistry or Physics

3 units Social Studies

½ unit Civics, ½ unit Economics, World History, American History

2 units Foreign Language

(2 years of same language)

**You can apply for state scholarships at [www.adhe.edu](http://www.adhe.edu). Click the YOUNiversal button to begin the process.**

### **ARKANSAS ACADEMIC CHALLENGE SCHOLARSHIP** *(Legislature updates annually)*

- Graduated from an AR public high school
- Complete the Smart Core with at least a 2.5 GPA; **OR**
- Complete the Smart Core and have 19 composite score on the ACT (or equivalent); **OR**
- Scored proficient or advanced on all state-mandated EOCs
- Complete and submit the FAFSA financial aid application separately
- Apply between Jan. 1 and May 31

### **ARKANSAS GOVERNOR'S SCHOLARS PROGRAM** **TO APPLY:**

#### **Governor's Scholar**

- Must be an Arkansas resident
- Complete the core curriculum
- 27 on the ACT or 1220 on SAT or a 3.5 GPA
- \$4,000 annually

#### **Governor's Distinguished Scholar**

- Must be an Arkansas resident
- Complete the core curriculum
- 32 on the ACT or 1410 on the SAT and a 3.5 in academic courses
- National Merit and/or National Achievement Finalists are also eligible
- \$10,000 annually

**Arkansas Scholars™**  
*A program of the Arkansas Business and Education Alliance*

Local business leaders want you to do well in school. Many businesses have agreed to recognize the achievement of Arkansas Scholars™ status as a symbol of high quality education. If you, as a student, meet the Arkansas Scholars™ criteria over the next four years (grades 9-12), you will be designated as an Arkansas Scholar™. Business leaders will hold an event for you and your parents at the end of your senior year. An Arkansas Scholars™ seal will be placed on the transcript. The Arkansas Scholars™ seal improves your chances for employment and may result in some financial assistance for college since many Arkansas colleges give scholarships to Arkansas Scholars™.

**FOUR EASY STEPS TO BECOMING *Arkansas Scholars™***

❖ **Step 1**

Take the recommended courses to prepare for post secondary education. The specific course of study includes:

- **English** – 4 units
- **Science** – 3 units (lab based Physical Science, Biology, Chemistry, Physics)
- **Math** – 4 units (Algebra I, Geometry, Algebra II and an advanced math course)
- **Social Studies** – 3 units (World History, U.S. History, Civics/Economics)
- Complete the remaining state mandated high school graduation requirements

❖ **Step 2**

Earn semester grades of “**C**” or above in all courses

❖ **Step 3**

Achieve a **95%** or better attendance record (average over four years)

❖ **Step 4**

**Finish** high school in 8 consecutive semesters

**Note to Parents:** Taking **Algebra I** and **Geometry** in Grades 7 – 8 are considered high school credits. Students making a grade below “C” in these courses may lose their Arkansas Scholars™ status prior to entering the 9<sup>th</sup> grade. Since students are required to repeat these courses if they do not score “**proficient or advanced**” on the End of Course exam in grades 7 or 8, students may retain their Arkansas Scholars™ status by retaking the course during the regular school year.

**Special Note to Parents:** *Encourage your student(s) to make good grades, take challenging courses and attend school regularly. This encouragement will send a positive message about the important value of their education.*



## **International Baccalaureate Program**

International Baccalaureate (IB) is a rigorous, two year college preparatory course of study taken during the junior and senior years. Students interested in an IB Diploma will interview with the IB Coordinator during the sophomore year.

Requirements for completion of the IB Diploma:

- Three higher level courses (taken over two years) and three standard level courses
- Combined score of 24 points at the end of testing during senior year
- Write a 4,000 word extended essay during their junior/senior year
- Complete the Theory of Knowledge course
- Complete Creativity Action and Service (CAS) projects

Higher level offerings\* include – English, History of the Americas, Physics, Biology, Psychology and Visual Arts

Standard level offerings\* include – Spanish, Math Studies, Biology, Psychology, Visual Arts/Film

For additional information, contact the IB Coordinator and visit [www.ibo.org](http://www.ibo.org)

\*courses offered may depend on student interest and staffing

## **Advanced Placement Courses**

**Advanced Placement** (AP) courses are available to students in a number of subject areas (see list below). These courses offer a college-level curriculum that provides students with analytical skills and factual knowledge to deal critically with the problems and issues related to the subject. In May, AP students take AP exams, paid for through funding from the Arkansas Department of Education. Students who complete the AP course and take the AP exam will receive a weighted grade for the course.

### **Current AP Course Offerings:**

AP Biology  
AP Calculus AB  
AP Calculus BC  
AP Chemistry  
AP English Language and Composition  
AP English Literature and Composition  
AP Environmental Science  
AP Physics  
AP Psychology  
AP Spanish Language  
AP Studio Art – Drawing  
AP Studio Art – 2-D Design  
AP Studio Art – 3-D Design  
AP U.S. History  
AP World History (10<sup>th</sup> Grade only)

# LANGUAGE ARTS

Subject	Grade	Credit
Critical Reading	9 & 10	1
English 9	9	1
English 9 Pre-AP/IB	9	1
English 10	10	1
English 10 Pre-AP/IB	10	1
English 11	11	1
AP English 11 Language and Composition	11	1
IB English 11 Literature (HL I)	11	1
English 12	12	1
AP English 12 Literature and Composition	12	1
IB English 12 Literature (HL II)	12	1
Journalism I	10-12	1
Journalism II	11-12	1
Journalism III	12	1
ELA Drama	12	1
Literacy Ready	12	1

**4 UNITS OF ENGLISH ARE REQUIRED FOR GRADUATION**

## Subject/Prerequisite/Course Description

### Critical Reading

**419110**

*Placement based on benchmark and/or STAR reading scores.*

This course is a two-semester course designed to dramatically accelerate reading growth by strengthening comprehension outcomes in high school grades. In a context of meaningful content, ongoing assessment and focused explicit instruction, students will evaluate literary and informational texts and multicultural literature of diverse formats and genres. In addition, students will engage in learning events tied to a variety of literary and informational texts with increasing complexity.

**English 9 Regular or Pre-AP/IB****410000**

*Prerequisite for Pre-AP/IB: A record of achievement in middle school honors English*

Students will be instructed in grammar and literature, as well as composition. Additional work may include vocabulary, journals, essays, projects and public speaking. The PAP/IB class will be more challenging and rigorous with higher performance expectations of students. The PAP/IB level prepares students for college level AP courses.

**English 10 Regular or Pre-AP/IB****411000**

*Prerequisite for Pre-AP/IB: A record of achievement in Pre-AP/IB English 9*

English 10 is a study of the fundamentals of grammar, sentence and paragraph structure, vocabulary and composition. Analysis of literature will include poetry, short stories, novels, and drama. This course includes embedded oral communications standards. Students receive 1 credit in English and .5 credit in oral communications. The PAP/IB class will be more challenging and rigorous with higher performance expectations of students. The PAP/IB level prepares students for college level AP courses.

**English 11****412000**

*Prerequisite: None*

The study of grammar, composition, speaking, writing and research will be infused into the study of literature.

**AP English Language and Composition (AP English 11)****517030**

*Prerequisite: A record of achievement in Pre-AP English is recommended.*

This is a very challenging, rigorous course that prepares college-bound students in English by emphasizing college-level reading and writing skills. Teacher expectations are high. Emphasis is placed on nonfiction works and writing of nonfiction. College credit may be granted based on the student's score on the AP exam and the policy of the college where the student applies.

**IB English Literature (HL1)****517100**

*Prerequisite: A record of achievement in Pre-AP/IB English is recommended as well as a score of proficient or advanced on the most recent Benchmark.*

This challenging, rigorous course prepares college bound students in English by emphasizing college-level reading and writing skills. Fulfilling the year one requirement for the two-year higher level IB English course, this class will emphasize analysis, oral interpretation, and critical thinking skills. An individual oral presentation and a 1500 word written assignment are required and assessed by IB.

**English 12****413000**

*Prerequisite: None*

This course includes a review of grammar and mechanics as well as composition which is emphasized through various topics and themes. Analysis literature will include a survey of British literature and selected pieces of work literature.

**AP English Literature and Composition (AP English 12)****517040**

*Prerequisite: AP English Language and Composition is strongly recommended*

This course is a rigorous college-level class emphasizing literary works and the writing of literary analysis. College credit may be granted based on the student's score on the AP exam and the policy of the college where the student applies.

**IB English Literature (HL2)****517200***Prerequisite: AP/IB English Junior Year*

This course is a rigorous college-level class emphasizing literary works and the writing and oral commentary of literary analysis. College credit may be granted based on the student's score on the IB assessments and the policy of the college where the student applies.

**Journalism I – Newspaper****415000***Prerequisite: None*

This course is designed to introduce students to the world of media. Students will become analytical consumers of media and technology to enhance their communication skills. Writing, technology and visual and electronic media are used as tools for learning as students create, clarify, critique and produce effective communication. Students will learn journalistic guidelines for writing, design and photography which include objectivity, responsibility and credibility.

**Journalism II – Newspaper****515030***Prerequisite: Journalism I*

This course is designed to provide further preparation for advanced media applications. Students will become active participants in the world of media to enhance their communication skills through the roles of reporters, photographers, ad sales, and marketing team members. Writing, technology and visual and electronic media are used as tools for learning as students create, assess and produce. Students will learn to supply journalistic guidelines for writing and design, which include objectivity, responsibility and credibility.

**Journalism III – Yearbook****515040***Prerequisite: Journalism II*

Journalism III is designed to immerse students in the production process through an advanced study of media production. Students will employ journalistic skills in media, 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. Students will adhere to journalistic guidelines for writing and design, which include objectivity, responsibility and credibility.

**Literacy Ready***Prerequisite: Have not met the determination for college readiness*

The curriculum for this course is derived from the Common Core State Standards English Language Arts and Literacy in History/Social Studies, Science, and Technical Studies. Upon completion, students should be ready for freshman composition at the college level. This course does not replace any of the four required English credits. A local or career credit is awarded for successful completion of the course.

Determinations:      TBD score on the PARCC Grade 11 English Language Arts/Literacy Assessment  
                                 19 in English subtest on the ACT  
                                 15 in English on the PLAN  
                                 44 on the 10<sup>th</sup> grade writing PSAT  
                                 47 on the 11<sup>th</sup> grade writing PSAT  
                                 450 on the writing SAT

# Mathematics

Subject	Grade	Credit
<b>Algebra I A/B</b> (Double Blocked over two years)	9&10	2
<b>Algebra I</b>	9	1
<b>Geometry A/B</b> (Double Blocked over two years)	11&12	2
<b>Geometry</b>	9-12	1
<b>Bridge to Algebra II*</b>	10-11	1
<b>Algebra II</b>	9-12	1
<b>Algebra III</b>	10-11	1
<b>Advanced Topics in Mathematics</b>	12	1
<b>Pre-Calculus</b>	10-12	1
<b>IB Mathematical Studies</b> (SL)	11-12	1
<b>Linear Systems and Statistics</b>	11-12	1
<b>AP Calculus AB</b>	11-12	1
<b>AP Calculus BC</b>	12	1
<b>Math Ready</b>	11-12	1

*\*not Smart Core Curriculum*

**4 UNITS REQUIRED FOR GRADUATION**

## Subject/Prerequisite/Course Description

**Algebra I or Algebra I A/B** (Blocked over two years)

**430000 or 430100/430200**

*Prerequisite for Algebra I A&B: Assessment Data Indicating Eligibility*

The fundamental purpose of this course is to formalize and extend the mathematics students learned in the middle grades. The critical areas, or units, deepen and extend understanding of linear and exponential relationships. Students engage in methods for analyzing, solving and using linear quadratic functions. Students will take the PARCC Assessment in Algebra I at the end of the 9<sup>th</sup> grade year.

Algebra I A&B is a blocked course designed to help students performing below grade level in mathematics. Students take Algebra I A in the 9<sup>th</sup> grade and Algebra I B in the 10<sup>th</sup> grade. Students will complete the Algebra I frameworks with additional assistance and strategies designed to improve achievement. Students will take the PARCC Assessment in Algebra I at the end of the Algebra I B course at the 10<sup>th</sup> grade level.

**Geometry or Geometry A/B** (blocked over two years)**431000 or 431100/431200***Prerequisite for Geometry: Algebra I Prerequisite for Geometry A/B: Algebra I A/B*

The fundamental purpose of this course is to formalize and extend the students geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving toward formal mathematical arguments. Students must score proficient on the state mandated exam or complete remediation before receiving credit in this course.

Geometry A/B is a blocked course designed to help students performing below grade level in mathematics. Students take Geometry A in the 11<sup>th</sup> grade and Geometry B in the 12<sup>th</sup> grade. Students will complete the Geometry frameworks with additional assistance and strategies designed to improve achievement. Students will take the PARCC Assessment in Geometry at the end of the Geometry B course at the 12<sup>th</sup> grade level.

**Bridge to Algebra II****435000***Prerequisites: Algebra I and Geometry*

The fundamental purpose of this course is to reinforce linear concepts previously included in the Algebra I course through modeling functions and summarizing, representing and interpreting data. Introducing higher order concepts involving quadratic and exponential functions will prepare students for success in Algebra II.

**Algebra II****432000***Prerequisite: Geometry*

The fundamental purpose of this course is to work with functions to include linear, quadratic, exponential, polynomial, rational and radical functions. Students will define functions, expand and model situations, and solve equations. Solutions to quadratic equations will include the set of complex numbers and properties of logarithms will be used to solve exponential equations. A graphing calculator is highly recommended.

**Algebra III****439070***Prerequisite: Algebra II*

This course will enhance 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. Students in Algebra III will be challenged to increase their understanding of algebraic, graphical and numerical methods to analyze, translate and solve quadratic, polynomial, rational, exponential and logarithmic functions. Modeling real world situations is an important part of this course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra III will also include a study of trigonometric functions, right triangles and oblique triangles. A graphing calculator is highly recommended.

**Advanced Topics in Mathematics****439050***Prerequisite: Algebra II*

This course explores 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 will be an aspect of the course. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically and verbally. Students will be expected to use technology, including graphing calculators, computers and data gathering equipment. A graphing calculator is highly recommended.

**Pre-Calculus****433000***Prerequisite: Algebra II*

Pre-Calculus will emphasize a study of trigonometric functions and identities as well as applications of right triangle trigonometry and circular functions. Students will use symbolic reasoning and analytical methods to represent mathematical situations, express generalizations, and study mathematical concepts and the relationships among them. Students will use functions and equations as tools for expressing generalizations.

**IB Mathematical Studies (SL)****539060***Prerequisite: Pre-Calculus/Trig unless senior IB Diploma Candidate*

Students develop an understanding of various topics in mathematics through the study of statistics, probability, sequences, sets and logic, functions, trigonometry, and calculus. The course includes a review of algebra and geometry. Graphic and algebraic representations of real-life problems and sophisticated mathematical reasoning, combined with technology enhance the student's critical thinking of mathematics. There is an internal assessment consisting of an extended individual project involving the collection of data, analysis, and evaluation of data.

**Linear Systems and Statistics****439090***Prerequisites: Recommended Algebra III, Pre-Calculus, or Calculus*

Statistics provides students with an understanding of the concepts of mathematics analysis and normal curve distribution and measures of variability. Basic statistical topics such as percentiles, the normal distribution, standard deviation and fitting curves to data will be studied through analysis real world data. To develop a student's critical sense in reading numerical information, the course will discuss ways to express quantitative data numerically, with percentages and proportion, visually using tables, graphs and charts. A graphing calculator is highly recommended.

**AP Calculus AB****534040***Prerequisite: Pre-Calculus*

Calculus is designed to provide students with experience in the methods and applications of calculus and to develop an understanding of its concepts. This course emphasizes a multi-representational approach to Calculus, with concepts, results and problems being expressed graphically, numerically, symbolically, analytically and verbally through the use of unifying themes of derivatives, integrals, limits, application and modeling and approximation. A graphing calculator is highly recommended.

**AP Calculus BC****534050***Prerequisite: Calculus AB*

This course is significantly more extensive than Calculus AB. All of the topics in Calculus AB are included in addition to concepts involving polar coordinates, vectors, sequences and series, and differential equations. A graphing calculator is highly recommended.

**Math Ready**

*Prerequisite: Enrolled in or completed Algebra II. Have not met the determination for college readiness in math*

Determinations:      TBD score on the PARCC Algebra II End-of-Course Examination  
                              19 on the mathematics section of the ACT  
                              19 on the mathematics section of the PLAN  
                              42 on the 10<sup>th</sup> grade mathematics section on the PSAT  
                              46 on the 11<sup>th</sup> grade mathematics section on the PSAT  
                              460 on the math portion of the SAT

The content for this course is derived from the ADE Algebra II Curriculum Framework which is aligned with the Common Core State Standards for Mathematics. One unit of Smart Core math credit shall be awarded to students who successfully complete the course.



# SCIENCE

Subject	Grade	Credit
Physical Science	9	1
Pre-AP/IB Physical Science	9	1
Biology	10	1
Pre-AP/IB Biology	10	1
Environmental Science*	11-12	1
Zoology*	11-12	1
Anatomy/Physiology*	11-12	1
Chemistry	11-12	1
Pre-AP Chemistry	11-12	1
Physics	11-12	1
AP Biology*	11-12	1
AP Chemistry	12	1
AP Environmental Science*	11-12	1
AP Physics I or II	12	1
IB Biology HL 1*	11-12	1
IB Biology HL 2 or SL*	11-12	1
IB Physics HL1	11-12	1
IB Physics HL2	12	1

*\*not Smart Core Curriculum*

**3 UNITS REQUIRED FOR GRADUATION**

## Subject/Prerequisite/Course Description

### Physical Science or Pre-AP/IB Physical Science

**423000 or 42300P**

*Prerequisite: Enrollment or credit in Algebra I; For PAP/IB-strong performance in science, Alg I or Geom*

This course consists of approximately one semester of study in the basic concepts of Physics and one semester in the basic concepts of Chemistry. Students will use critical thinking skills to solve problems, read technical information, analyze data, calculate, measure, and identify the structure and behavior of matter, forces, and energy. In addition, students will participate in safe, structured laboratory investigations following the steps of the scientific method.

Pre-AP/IB Physical Science is an accelerated course designed to prepare 9<sup>th</sup> grade students for Pre-AP physics and chemistry and first year college level physics and chemistry. The class covers the Physical Science course content, but offers accelerated rigor and additional challenges including APA style research papers, designing experiments, formal lab reports, and student-led lessons with PowerPoint presentations. Students develop skills for reading, studying, testing, writing essays, and designing experiments. Topics of study include: composition and structure of matter, chemical reactions, energy, force and motion, waves, electricity and magnetism. Instruction and assessment include both appropriate technology and the safe use of laboratory equipment. The tests are written in a format that is similar to AP exams including both multiple choice and free-response questions.

### Biology or Pre-AP/IB Biology

**420000 or 42000P**

*Prerequisite: None*

Biology is a laboratory science course covering the study of living things. This course focuses on the study of life by examining the five fundamental concepts of cellular biology, genetics, ecology, evolution and physiology. The scientific process and laboratory skills are emphasized along with Biology's connections to other scientific disciplines. Students learn scientific writing skills and examine current biological issues.

Pre-AP/IB Biology is a more rigorous course which moves at a faster pace than regular Biology. The goal of Pre-AP/IB Biology is to prepare students to take AP/IB Biology in the 11<sup>th</sup> and 12<sup>th</sup> grade. This course focuses on the study of life by examining the five fundamental concepts of cellular biology, genetics, ecology, evolution and physiology. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific disciplines. Students learn scientific writing skills and examine current biological issues. Students must score proficient on the Biology End Of Course Exam or complete remediation before receiving credit in this course.

### Environmental Science

**424020**

*Prerequisite: Physical Science and Biology*

This course concentrates on ecology, man's relationship with the environment, pollution and natural cycles. It is a science class which will meet graduation requirements but is not in the Smart Core.

### Zoology

**524010**

*Prerequisite: Biology*

This is an in depth study of the animal kingdom. Zoology will concentrate on the anatomy/physiology and behavior of living animals in a survey of the animal phyla from protozoa to mammals. Required components of this course are an animal research project (paper or video) and dissection of a preserved animal. This course meets graduation requirements but is not in the Smart Core.

**Anatomy/Physiology****424030***Prerequisite: Biology*

This course is a two semester memory-based course dealing with the human body at all levels of organization from cells to systems to the whole organism. Class includes structure, function and pathology of body parts. Labs include the language of anatomy and physiology and cell chemistry, along with the microscopic study of cell and tissue types. A required component of the course is the dissection of preserved animal specimens to learn more about organ systems. This course meets graduation requirements but is not in the Smart Core.

**Chemistry or Pre-AP Chemistry****421000 or 42100P***Prerequisite: Successful completion of Alg I, Geom, Alg II, Physical Science, Biology*

This course will explore the composition of matter through its properties, its atomic structure and the manner in which it bonds and reacts with other substances. Students will be expected to use algebraic mathematics and collect and analyze data. Instruction and assessment will include both appropriate technology and the safe use of laboratory equipment as well as independent research.

Pre-AP/IB Chemistry is both more rigorous and faster paced than Chemistry. In addition to studying the fundamental concepts of inorganic chemistry, students will prepare for and plan to take AP Chemistry. Instruction will focus on the study of chemical measurements, formulas, equations, stoichiometry, atomic structure, the periodic table, gas laws, solutions, acids, bases, salts, carbon compounds and oxidation-reduction reactions. Students will also participate in laboratory exercises and conduct independent research. This course is designed for the college bound student planning to major in science.

**Physics****422000***Prerequisite: Geometry, Algebra II, Physical Science*

This rigorous course will ground students in the five traditional areas of Physics (Newtonian mechanics, thermodynamics, optics, electricity and magnetism and quantum mechanics) as well as the nature of science. It will provide the knowledge base needed for many college programs. Students should be expected to use higher level mathematics and collect and analyze data. Instruction and assessment will include both appropriate technology and the safe use of laboratory equipment.

**AP Biology****520030***Prerequisite: Biology (Pre-AP Biology recommended)*

Taught at the college level, AP Biology is a very challenging course that continues the in depth study of living organisms. Successful completion of the course and a qualifying score on the AP Biology exam may result in college credit. Eight suggested lab topics are included.

**AP Chemistry****521030***Prerequisite: Successful completion of Biology and Algebra II*

This course is designed to be the equivalent of the general Chemistry course usually taken during the first year of college and is as rigorous and face-paced as a college class. Study will be focused on acid-based reactions, qualitative and quantitative analysis, molecular structure, chemical equilibrium, chemical kinetics and thermodynamics. Basic concepts of organic chemistry will also be taught. Extensive independent inquiry lab work will be utilized in order to generate the skills and knowledge necessary for the Advanced Placement Exam. Students taking this AP course should plan on taking the AP Chemistry Exam in May.

**AP Environmental Science****523030***Prerequisite: Physical Science, Biology and Chemistry or concurrent enrollment in Chemistry*

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students learn to identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine solutions for resolving or preventing them through investigations in the

laboratory and field. Outdoor investigations are a required component of the course. Students will take the AP exam in May.

### **AP Physics I & II**

**522030**

*Prerequisite: Enrollment in Pre-Calculus*

AP Physics I is an algebra-based, introductory college level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will take the AP exam in May.

AP Physics II is an algebra-based, introductory college level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields, electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will take the AP exam in May.

### **IB Biology HLI**

**52903A**

*Prerequisite: Enrollment in the IB Program and completion of Biology recommended for HL*

This course is the first course of a two year sequence of rigorous, challenging studies. Students will study a core Biology curriculum and two optional Biology topics. Emphasis will be placed on investigative/laboratory work and other skills needed to be successful in the IB Biology HL2 course and exam which will be taken the student's senior year.

### **IB Biology HLII or SL**

**52903B/52903C**

*Prerequisite: Enrollment in the IB Program and completion of Biology recommended for HL*

IB Biology HL II is the second year of a two year program which prepares students to take the Higher Level IB Exam in Biology in order to obtain an IB Diploma. Students will study a core Biology curriculum and two optional Biology topics. HL requires studying some topics in greater depth, to study additional topics, and to study extension material of a more demanding nature. HL II students must complete 60 hours of practical/investigative work. This includes 10 hours for the Group IV Project. IB Biology SL is a one year IB Diploma course. Students must complete 40 hours of practical/investigative work with 10 hours of this toward the Group IV Project.

### **IB Physics HLI**

**52206A**

*Prerequisite: Completion of or concurrent enrollment in Pre Calculus*

This rigorous course deals primarily with various forces and forms of energy including electricity, magnetism, sound, light, gravity and heat. This is a course in problem solving which requires the ability to observe accurately, to analyze and interpret data and to apply facts and principles in new situations. Students will spend approximately 20% of class time in the laboratory.

### **IB Physics HLII**

**52206B**

*Prerequisite: Successful completion of IB Physics HLI*

This challenging course will cover the standard topics of physical measurement, mechanics, waves, optics, thermal physics, electromagnetism, atomic and nuclear physics, quantum physics and relativity. Students should have a solid understanding of trigonometry and algebra. Concurrent enrollment in Calculus is encouraged but not required. Laboratory investigations are a large part of the course both years and account for 25% of the class time. Students will be required to perform error analysis going well beyond what is covered in a traditional high school Physics class. Students completing the course should be prepared for advanced study in Physics at the post secondary level. IB Physics students should be prepared to take the IB Physics Exam at the end of this course.

## SOCIAL STUDIES

Subject	Grade	Credit
Civics/Economics	9 -12	.5/.5
Pre-AP Civics/Pre-AP Economics	9	.5/.5
World History	10-12	1
AP World History	10	1
American History	11	1
AP U.S. History	11	1
AP Psychology*	11-12	1
Contemporary U.S. History*	11-12	.5
IB Contemporary American History HL1	11	1
IB Psychology SL*	11-12	1
IB Social Studies HL2*	12	1
Psychology*	9-12	.5 or 1
Sociology*	11-12	.5
World Geography*	11-12	.5

*\*not Smart Core Curriculum*

**3 UNITS REQUIRED FOR GRADUATION**

**Civics/Economics or Pre-AP/IB Civics/Economics****472000/474300 or 47200P/47430P***Prerequisite for PAP/IB: Strong record of achievement in social studies*

Civics is the study of American citizenship and government and provides a basis for understanding the Constitution, the Bill of Rights, the election process as well as the function and structure of our national, state and local governments. The Economics semester emphasizes economic fundamentals, microeconomics and macroeconomics. Students will explore the interrelationships among the roles played by consumers, producers, capital, land and labor. Additionally, students will study the interrelationship of their economic, political and social lives.

Pre-AP/IB Civics/Economics is a more rigorous study of American citizenship and government and the fundamentals of economics. These courses stress application, problem solving, higher order thinking skills, and the use of classroom performance based on open ended assessments with rubrics.

**World History****471000***Prerequisite: None*

This chronological study covers the prehistoric period to the present on a worldwide basis with an emphasis on the significant development of the western and eastern civilizations. This includes major events and movements along with various personalities influencing these developments. Students will be encouraged to develop an appreciation for the diversity in cultures, both past and present, by gaining knowledge of the influence of geography, government, education, religion, the arts, philosophies and technology on the course of World History.

**AP World History****571020***Prerequisite: Pre-AP/IB Civics/Economics strongly recommended*

This advanced level, rigorous course is taught at the college level. It is designed to provide the student with analytical skills and factual knowledge necessary to deal critically with the problems and issues of World History. This course focuses on Asia, Europe, and Africa as well as the empires of China and Mesoamerica. The Advanced Placement World History curriculum is constructed by the College Board. The course is designed to prepare students for college. Students taking this Advance Placement course must take the Advanced Placement World History Exam in May.

**American History****470000***Prerequisite: None*

This study is the chronology of American History from colonial America to modern days stressing economic, political and social developments. Course objectives include developing skills which enable students to define problems, exercise analytical thinking and offer effective solutions facing the nation and its citizens. An appreciation of the United States democratic system and heritage is emphasized.

**AP U.S. History****570020***Prerequisite: A strong record of achievement in Social Studies is recommended*

This advanced level, rigorous course is taught at the college level. It is designed to provide the student with analytical skills and factual knowledge necessary to deal critically with the problems and issues of U.S. History. The course is designed to prepare students for college as well as the National Advanced Placement History Exam given in May.

**IB History 20<sup>th</sup> Century World History Topics HL1****570040***Prerequisite: Admission to the IB Program*

This rigorous course, for highly motivated students, is the first year of the IB course of study for history. Students will study 20<sup>th</sup> Century World History topics in depth such as Causes, Practices, and Effects of War and the Cold War. Additionally, the course will emphasize the dynamics and complexities of international relations during the 20<sup>th</sup> Century. The aim of this course is to explore history from the international perspective with weight given to critical thinking, advanced reading, and academic writing. American History credit is not given for the first year course.

**IB History of the Americas HLII****570050***Prerequisite: Admission to the IB Program; Completion of IB History 20<sup>th</sup> Century World History Topics HL1*

This rigorous course, for highly motivated students, is the second year of the IB course of study for history. Students will study topics in the History of the Americas during the 20<sup>th</sup> Century such as the emergence of the Americas in global affairs, the World Wars, and the Cold War. The aim of this course is to explore history from an international perspective with weight given to critical thinking, advanced reading, and academic writing. Additionally, students will engage in the research and writing of an historical topic of the student's choice. American History credit is earned with the HL2 course.

**Psychology****474400/579000***Prerequisite: None*

This course is either one semester or a full year social studies elective introducing students to the science of behavior and mental processes. It includes an overview of the history of psychology as well as an opportunity to study individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. The content of this course includes human development, biological bases of behavior, sensation and perception, learning, memory and cognition, behavior patterns, motivation, emotion, adjustments to social environments and psychological disorders and treatments. This study stresses application, problem solving, and higher order thinking skills.

**AP Psychology****579120***Prerequisite: Psychology recommended*

The purpose of this Advanced Placement course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub fields within psychology. They will also learn the methods psychologists use in their science and practice. The curriculum follows the course outline prepared by the College Board and prepares students to take the Advanced Placement Exam in Psychology in May.

**IB Psychology SL****579030***Prerequisite: None*

Students will study human behavior through six distinct perspectives: biological, behavioral, cognitive, humanistic, cultural and dysfunctional. Candidates will closely examine the following six elements for each of the six perspectives: historical and cultural contexts, conceptual framework, basic assumptions, methodologies, application to psychological issues and critical evaluation of the perspective. An additional aim of psychology as related to individuals and societies is the systematic and critical study of social values and norms among cultures. Cross cultural studies will be utilized to examine the differing interpretations. Students will also be required to complete an internal assessment consisting of a scientific experiment.

**Contemporary U.S. History****474200***Prerequisite: None*

This is a social studies elective course going in depth into United States history since World War II. Students will learn about changing culture, technology, the Cold War, global conflicts, the world economy, the environment and will study the effects on contemporary society in the United States. This study affords the opportunity to go into much greater detail regarding recent United States History than the required survey course.

**Sociology****474500***Prerequisite: None*

This is an elective course which introduces students to the social systems which are the foundation of society. An emphasis is placed on culture and socialization, social status, social institutions, social problems and the effects/influence on behavior. Using the tools and techniques of sociologists, students will study changes taking place in society and examine their causes, consequences and possible solutions. Students will read major sociological theorists as well as consider how sociologists approach issues. This course stresses application, problem solving, and high order thinking skills.

**World Geography****474600***Prerequisite: None*

This is a social studies elective course emphasizing the interaction of humans and their physical and cultural environments. This study will focus on five major themes: location, place, human/environment interactions, movement and regions. This course includes studies on current developments around the world affecting physical and cultural settings. Physical settings will include topography, resources, climates and environmental conditions. Cultural settings include population, political structures, life styles, economics and customs. Students will analyze and interpret a variety of geographic resources including primary sources, maps, and graphic evidence.



## FINE ARTS

Subject	Grade	Credit
Art I	9-12	1
Art II	10-12	1
Art III	11-12	1
Art IV/Advanced Art Lab (Senior Studio)	12	2
Art History I	9-12	.5
Survey of Fine Arts	9-12	.5
Studio Art 2D/3D	10	.5/.5
Costume/Makeup I	10-12	1
Costume/Makeup II	11-12	1
Costume/Makeup III	12	1
ELA Drama	9-12	.5
Drama I	9-12	1
Drama II	10-12	1
AP Studio Art – Drawing, 2D Design, 3D Design	12	1
IB Visual Arts HL1	11	1
IB Visual Arts HL2 or SL	11-12	1
IB Film SL	11-12	1
Stagecraft I	9	1
Stagecraft II – IV	10-12	1 per level

## FINE ARTS cont.

Subject	Grade	Credit
Theatre Appreciation	9-12	.5
Theatre Dance I	9-10	1
Theatre Dance II	10-11	1
Theatre Dance III	11-12	1
Theatre Dance IV	12	1

### Subject/Prerequisite/Course Description

#### Art I 450000

*Prerequisite: None*

This course is designed to teach students how to apply the elements of art and the principles of design to the creative process. Art I students will use a variety of media, techniques, processes and tools to compose original works of art. Successful completion of Art I is a prerequisite for any other art class.

#### Art II 450030

*Prerequisite: Art I*

This course is designed for those students having a successful completion of Art I. Art II students will further expand their knowledge of elements of art and principles of design. In depth study of drawing and design techniques will provide the foundation for this advanced art course. Successful completion of Art II is required for other advanced art courses.

#### Art III 50040

*Prerequisite: Art II*

This advanced art course is designed for those students having a successful completion of Art II. A more in depth study of techniques will provide the foundation for the course.

#### Art IV/Advanced Art Lab (Senior Studio) 450050/550050

*Prerequisite: Seniors with Audition Only*

#### Art History I (Non-performance fine art) 450060

*Prerequisite: None*

This course is designed to teach students the significance of art throughout history. Students will examine periods of art history from around the world with emphasis on art from ancient civilizations, classic civilizations, the Middle Ages and the Early and High Renaissance. Students will examine characteristics of art including themes, artists, major artworks and media process involved in creating artwork unique to each period. Students will also explore social influences on art from each period as well as the impact art has had on society. Students will apply basic terminology and higher order thinking skills to respond to and to draw inferences from artwork and artists from each period in history.

**Survey of Fine Arts****453000***Prerequisite: None*

Survey of Fine Arts is a one-semester course designed to teach students the basic elements, principles, processes, materials, and inherent qualities of visual and performing arts. Students will reflect on the connections between society and the arts. They will also develop perceptual awareness and aesthetic sensitivity as well as a foundation for a lifelong relationship with the arts.

**Costume/Makeup I****559801***Prerequisite: None*

This course is a basic study of theatrical costuming and makeup. Students will study contemporary and period fashion, makeup application and design as well as basic costume construction and design. Students will be introduced to creating costumes and applying makeup for productions and will be expected to work after school on costume and/or makeup labs. Students will be required to apply makeup to their face in this class.

**Costume/Makeup II****559802***Prerequisite: Costume/Makeup I*

This course is an advanced class for students directly involved in researching and designing costumes for fall and spring productions. Students will be involved in purchasing, renting, fitting and sewing costumes while learning advanced makeup design and application techniques. Students will have opportunities to participate on costume and makeup running crews and will be expected to work outside their class period on costume and/or makeup labs. Students will be required to apply makeup to their face in this class.

**Costume/Makeup III****559803***Prerequisite: Costume/Makeup II*

Students in this advanced class will be directly involved in designing, constructing and taking roles of leadership in the fall and spring productions. This class will involve more in depth projects, requiring advanced skills and more creative thinking. Students will learn in-depth makeup design, using prosthetics, beards and wigs. Another component is the laboratory time, scheduled after school, to prepare for the upcoming productions. This is a required part of the student's grade. Students will participate as leaders on the makeup and costume running crews as well as visit with local designers and tour local theaters. Students will be required to apply makeup to their face in this class.

**English Language Arts (ELA) Drama****416000***Prerequisite: None*

This is a language arts course designed to introduce students to the study of dramatic literature. Through the study of written plays, students will become informed, perceptive, and appreciative audience members of plays from various cultures and time periods. ELA Drama does not fulfill the ½ unit of Fine Arts required for graduation.

**Drama I****559100***Prerequisite: None*

This course is designed to operate within the framework of theatre arts. Drama students study pantomime, improvisation, acting, play production, play and character analysis and theater history. This is a performance course. Students will be required to perform in front of the class.

**Drama II****55910A***Prerequisite: Drama I*

This course is designed to introduce students to advanced acting. Students will be involved in scene study, styles of acting methods, theatre history, and script writing. This is a performance class. Students will be required to perform in front of the class.

**Drama III****55910B***Prerequisite: Drama II*

This course is designed to introduce students to great actors, directors, playwrights and their contributions to the theatre. Drama students will analyze and perform published works. Students will create their own one-act reader's theatre for possible public performance. This is a performance course. Students will be required to perform in front of the class.

**Drama IV****55910C***Prerequisite: Drama III*

This course is designed to introduce students to a concentrated study of theater directing and play writing. Drama students will be involved in scene study, theatre history and will be required to produce and direct a one act play. This is a performance course. Students will be required to perform in front of the class.

**IB Visual Arts HL1****55981A***Prerequisite: Art II*

This course is the first course of a two year sequence. Emphasis will be placed on technical experience and practices in a variety of media for production which will continue in IB Visual Arts HL2.

**IB Visual Arts HL2 or SL****55985B/55982C***Prerequisite: None*

This is a rigorous pre-university course leading to completion of the IB Art Examination. The course places an emphasis on practical production by the student and an exploration of a range of creative work in a global context. With consent of the instructor, students work in the studio of their choice, producing a portfolio of artwork. As students advance, they are expected to develop their own artistic objectives. A research workbook will be developed by each student with a purpose to preserve a written record of the student's development in the IB art program. The workbook will demonstrate each student's critical awareness of the meaning and function of the visual arts in the student's life as well as the cultures of others in a global context. Student work will be evaluated by an external evaluator to score the quality of each student's work according to criteria used in IB schools worldwide.

**IB Film SL, HL1, HL2****559810/55981D/55981E***Prerequisite: None*

Through the study and analysis of film texts and exercises in film making, the IB Film course explores film history, theory and socioeconomic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspective in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. Assessments will include: a textual analysis (one extract of 5 minutes from a prescribed film), a study of a least two films from more than one country and an original film produced as an individual or with a team.

**Stagecraft I****55980A***Prerequisite: None*

Stagecraft I is appropriate for the beginning theatre student in 9<sup>th</sup> and 10<sup>th</sup> grades. Through the technical theatre atmosphere, students study text, lecture, and comprehensive analysis of technical areas in the preparation of a play. Course areas include: fundamentals of technical drawing, introduction to shop tools and safety processes, introduction to sound and lighting instruments, and basic theatre vocabulary. Stagecraft I is a project-based course which requires theatre experiences in and outside of the class (I.E., attending theatrical performances, participating in theatre productions). Class size is limited due to safety concerns.

**Stagecraft II****55980B**

*Prerequisite: Completion of Stagecraft I (teacher approval)*

Stagecraft II is an intermediate level course that builds upon technical skills learned in Stagecraft I. The class will apply previous and new skills and vocabulary to the creation of the theatrical production. Class time will focus on intermediate scaled set design and preparation, light design, prop design, and sound design. Students will provide the labor for all NLRHS productions. Students will be introduced to stage management, sound and light board operation, set carpentry and backstage crew. Theatre experiences outside of class are required during the year (I.E., serving on a production crew, attending theatrical performances, participating in theatre productions). Class size is limited due to safety concerns.

**Stagecraft III****55980C**

*Prerequisite: Completion of Stagecraft II and Teacher Approval*

Stagecraft III is for the serious technical theatre student. The course concentrates on developing advanced skills in various stagecrafts including carpentry, property construction, the analysis and application of sound and electric design. Students will complete the design process through script analysis, research, developing production models, scale and elevational drawings. Students provide the leadership and backstage crews for ALL NLRHS productions. Theatre experiences outside of class are required during the year (I.E., serving on a production crew, attending theatrical performances, participating in theatre productions).

**Stagecraft IV****55980D**

*Prerequisite: Completion of Stagecraft III and Teacher Approval*

Stagecraft IV is for the serious technical theatre student. The course concentrates on developing advanced skills in various stagecrafts including carpentry, property construction, the analysis and application of sound and electric design. Students will complete the design process through script analysis, research, developing production models, scale and elevational drawings. Students will spend extensive time in Stage Management. Students provide the leadership and backstage crews for ALL NLRHS productions. Theatre experiences outside of class are required during the year (I.E., serving on a production crew, attending theatrical performances, participating in theatre productions).

**Studio Art 2D/3D****450080/450090**

*Prerequisite: Art I*

This course is offered to 10<sup>th</sup> graders only and can be taken along with Art II. The course provides an opportunity for the artist to experience working in the round with unique and interesting media such as wire, plaster, clay and paper Mache'. Independent thinking, creative problem solving and strong work habits are essential to success in this course.

**Theatre Appreciation****559110**

*Prerequisite: None*

This ONE semester course is designed to provide the student with basic elements of the theatrical industry. Students will develop an understanding of the origins of theatre, study theatrical history from the beginning to modern age, study employment in the theatre industry and will develop a critical eye by observing theatrical performances. Students will create a critique of a performance they observe and will research various well-known playwrights and provide a paper with their finding.

**Theatre Dance I****55980H**

*Prerequisite: None*

In Theatre Dance I, students will begin training in ballet, jazz and modern dance. Dance history, choreography, kinesiology and nutrition are also introduced. The course will activate an appreciation of dance aesthetics. Proper dance attire is required to participate in this class. This is a performance class and the students are required to perform in one public dance concert each semester.

**Theatre Dance II****55980E**

*Prerequisite: Completion of Theatre Dance I (teacher recommendation)*

In Theatre Dance II, students will continue their training in ballet, jazz and modern dance. In addition, student choreography projects will also be presented. Knowledge and understanding of dance history, kinesiology, principles of choreography and nutrition are also enhanced. Proper dance attire is required to participate in this class. This is a performance class and the students are required to perform in one public dance concert each semester.

**Theatre Dance III****55980F**

*Prerequisite: completion of Theatre Dance II (teacher recommendation)*

A central emphasis of this course is the development of the movement skills required of dancers as performing artists. This entails regular training in ballet, modern and jazz techniques. The course will cultivate an appreciation of dance aesthetics. Students will analyze and identify major dance companies and choreographers. Dance history, composition and kinesiology are also studied. Students are required to participate in two public performances per year. In addition, student choreography projects will also be presented. Proper dance attire is required.

**Theatre Dance IV****55980G**

*Prerequisite: Completion of Theatre Dance III (teacher recommendation)*

Theater Dance IV requires consistent, structured practice to refine dance techniques. The course also offers an in- depth examination of choreographic theory and analysis, with emphasis on the development of individual skills and styles. The goal of Theater Dance IV is to develop disciplined, versatile dance techniques, complemented and reinforced by a broad range of theoretical studies and performance opportunities. The course provides an atmosphere in which students are nurtured and stimulated in their quest for artistic achievement, technical mastery and scholarly excellence. This is a performance class and students are required to choreograph for and perform in one public concert each semester. Theatre Dance IV students host a dance workshop for local preschool and elementary students. In addition, student choreography projects will also be presented. Proper dance attire is required to participate in this class

**AP Studio Art – Drawing, 2D Design, 3D Design****559040/559050/ 559060**

*Prerequisite: Art I*

The AP Studio Art class follows the curriculum developed by the College Board. The students will work toward the preparation of a portfolio presentation exam in May. A portfolio should represent a personal body of work reflective of life experiences, not just classroom project related assignments. This fast paced class is geared toward the serious art student and allows for a detailed and defined development of skill, experimentation and expression.

# SPEECH COMMUNICATIONS

Subject	Grade	Credit
Oral Communication Embedded	10	.5
Oral Communication	11-12	.5
Forensic I	10-12	1
Forensics II	11-12	1
Forensics III	12	1
Debate I	9-12	1
Debate II	10-12	1

## Subject/Prerequisite/Course Description

### Oral Communication or Oral Communication Embedded

**414000 or 414100**

*Prerequisite: For OC Embedded, enrollment in English 10 or PreAP/IB English 10*

This course includes instruction in interpersonal communication, discussion, listening and public speaking. Clear and logical expression of ideas, personal self-confidence and conquering the fear of speaking in front of an audience will be the objective. The embedded oral communications curriculum is included in the English 10 course.

### Forensic I

**414020**

*Prerequisite: Audition with Coach*

This is a two semester advanced competitive speech, acting, and interpretation team that travels throughout the state throughout the school year for qualifying tournaments, leading to tournament of champions at year's end. Students will develop events including prose, poetry, oratory, improvisation, among others preparing for tournament and will receive training in basic communication skills, listening, verbal and nonverbal skills, and interpretation of literature. Students are required to compete in individual and group events at tournaments as well as contribute to our own tournament. Travel fees are required and vary by tournament. Students receive Oral Communication credit for this course.

### Forensics II

**414030**

*Prerequisite: Audition with Coach*

This is a two semester advanced competitive speech, acting, and interpretation team that travels throughout the state throughout the school year for qualifying tournaments, building upon the knowledge gained in forensics I. Students are required to compete in a minimum of three individual events and one group event per semester at overnight and local tournaments as well as contribute to our own tournament. Travel fees are required and vary by tournament.

### **Forensics III**

**414040**

*Prerequisite: Audition with Coach*

This is a two semester advanced competitive speech, acting, and interpretation team that provides students a continuation of student surrounding the Forensics program through a variety of public speaking situations. Students will develop events for tournaments and will receive continued training in communication skills, listening, verbal and nonverbal skills, interpretation of literature, research skills, and peer evaluation. Students will be expected to maintain a portfolio of their material which documents personal growth, compete at tournaments in individual and group events, and attend morning rehearsals.

### **Debate I**

**414050**

*Prerequisite: None*

This course integrates Oral Communication frameworks in a more intensified study and application of communication theory and skills. The study and practice of theories and strategies in argumentation is the focus. Students prepare and compete in speech and debate tournaments throughout the school year. Evaluation is based upon demonstrated effort, desire to improve, effective preparation, and performance in practice and competition. Students must possess self-motivation, self-discipline and a willingness to develop research skills. Students disinterested or unable to complete in tournaments should not enroll. Students of debate will be introduced to Team Policy Debate, Team Public forum Debate, International Public Debate, Lincoln-Douglas, Extemporaneous Speaking, Student Congress, and a few other competitive speaking events. Students must attend at least 2 tournaments per year.

### **Debate II**

**414060**

*Prerequisite: Debate I*

This course is an extension of Debate I. Students will expand their studies of all forms of debate, Extemporaneous Speaking, Student Congress, and argumentation. Students will focus upon more advanced case formats and more effective presentational styles. Students must attend at least 2 tournaments per year.



## FOREIGN LANGUAGE

Subject	Grade	Credit
Spanish I	9-11	1
Spanish II	10-12	1
Spanish III	11-12	1
AP/IB Spanish SL	12	1

### Subject/Prerequisite/Course Description

#### Spanish I

**440000**

*Prerequisite: None*

The beginning course in Spanish introduces a basic vocabulary, grammar fundamentals and composition necessary to read and write in Spanish. Pronunciation is stressed and the students are encouraged to speak the language daily. Cultural aspects of Spanish people are presented. Tapes, CDs, videos, movies and computer programs are used to teach conversations, songs and dance.

#### Spanish II

**440020**

*Prerequisite: Successful completion of Spanish I*

This second course in Spanish presents an intensive study of grammar and basic vocabulary. Further study of the life and culture of the people is developed. Greater facility in the spoken language is encouraged. Spanish is used daily in conversation, songs and dialogues. Activities, tapes, videos and computer programs are used to supplement instruction.

#### Spanish III

**440030**

*Prerequisite: Successful completion of Spanish II*

A selection of literature of Spanish countries will be studied as well as advanced grammar, oral presentations and compositions. There will be directed conversation in Spanish with films, songs and stories.

#### AP/IB Spanish SL

**540070/540020**

*Prerequisite: Strong record of performance in previous Spanish Courses and IB program acceptance*

This senior level AP/IB Spanish Language course is designed to develop students' communication skills in Spanish. This course is comparable to a second year university course with an emphasis on conversation and composition. Students will be exposed to a variety of materials and genres to help expand their knowledge of formal oral and written Spanish. Students enrolling in this course must have a high level of motivation and interest as well as sufficient time to prepare out of class reading and writing assignments. Student taking this course should plan to take the AP or IB exam in May.

# INTERNATIONAL BACCALAUREATE

Subject	Grade	Credit
IB Theory of Knowledge	11-12	1

## Subject/Prerequisite/Course Description

### IB Theory of Knowledge

**59620J/59620S**

*Prerequisite: IB Diploma or Certificate Candidate or Approval by IB Coordinator*

The focus of the IB Theory of Knowledge course is to examine "what we know" and "how we know" in the various fields of knowledge. Discussions and activities throughout this course aim to help students discover and express their views on knowledge issues from all disciplines of study and to explore the varying perspectives of other cultures. The course encourages students to share ideas with others and to listen to and learn from what others think. In this process, students' thinking and their understanding of knowledge as a human construction are shaped, enriched and deepened. In addition, the course will address research skills through the writing of an Extended Essay, a Theory of Knowledge essay and various Theory of Knowledge presentations. This course will be a two semester course, the first being in the Spring of the Junior year and the second semester being in the Fall of the Senior year.

<u>IB Courses Offered</u>	<u>Page for Course Description</u>
IB Biology HL1	17
IB Biology HL2 or SL	17
IB 20 <sup>th</sup> Century World History Topics HL1	19
IB History of the Americas HL2	20
IB English Literature HL1	8
IB English Literature HL2	8
IB Film SL, HL1, HL2	26
IB/SL Mathematical Studies	12
IB Physics HL1	17
IB Physics HL2	17
IB Psychology SL	20
IB Visual Arts HL1	26
IB Visual Arts HL 2 or SL	26

# MUSIC

Subject	Grade	Credit
Band I (Marching/Concert Band)	9	1
Band II (Marching/Concert Band)	10-12	1
Band III (Marching/Concert Band)	11-12	1
Band IV (Marching/Concert Band)	12	1
Jazz Band I and II	11-12	1 per level
Music Theory	11-12	1
Vocal Music I	9-12	1
Vocal Music II	10-12	1
Vocal Music III	11-12	1
Vocal Music IV	12	1

## Subject/Prerequisite/Course Description

### **Band I (Marching/Concert Band)**

**451000**

*Prerequisite: Director Recommendation/Successful completion of 9<sup>th</sup> grade band*

Band I is the audition marching and concert band. Students taking this course have had a least two years of previous instrumental music experience. Students are expected to devote time outside class for practice and performance at various venues.

### **Band II (Marching/Concert Band)**

**451040**

*Prerequisite: Successful completion of Band I; Instrument Required*

Band II is the audition marching and concert band. Students taking this course have had at least two years of previous instrumental music experience. Students are expected to devote time outside class for practice and performance at various venues.

### **Band III (Marching/Concert Band)**

**451050**

*Prerequisite: Successful completion of Band II; Instrument Required*

Band III is the audition marching and concert band. Students taking this course have had at least two years of previous instrumental music experience. Students are expected to devote time outside class for practice and performance at various venues.

**Band IV (Marching/Concert Band)****451060**

*Prerequisite: Successful completion of Band III; Instrument Required*

Band IV is the audition marching and concert band. Students taking this course have had at least two years of previous instrumental music experience. Students are expected to devote time outside class for practice and performance at various venues.

**Music Theory****459010**

*Prerequisite: Successful completion of one year High School Music*

This is a rigorous course designed to expand and enhance the skills of the serious high school musician. Students will examine components of music composition, melodic practices, theories of harmony and other musical concepts. Different stylistic periods of music will be analyzed and students will 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.

**Jazz Band I and II****55102J/55102K**

*Prerequisite: Audition*

Jazz Band is an advanced, audition based class for instrumental music students in the 11<sup>th</sup> and 12<sup>th</sup> grades. Instrumentation is limited to that of the standard jazz band (trumpet, trombone, saxophone, percussion, rhythm guitar, bass guitar and/or acoustic bass violins), although it may be augmented, from time to time, by other instruments. The course of study is concerned primarily with contemporary, pop and jazz literature.

**Vocal Music I-IV**

Students can elect a vocal music course each year of high school. The first semester meets the fine arts graduation requirement while additional years count as electives.

**Vocal Music I Girls Chorus 9****45204G**

*Prerequisite: None*

This course provides specialized development of the treble voice. Special attention is also given to music theory, music history, ear training and sight singing. The student may be recommended for membership in a more advanced vocal ensemble upon demonstration of satisfactory proficiency.

**Vocal Music I Concert Choir 9****45204C**

*Prerequisite: Audition*

This chorus is a mixed ensemble of students who are committed to performance of high quality choral repertoire. The course provides a greater proficiency in blend, balance, intonation, interpretation, and diction as related to a large ensemble experience. The student performs and stylistically analyzes music from all periods of vocal literature. This group performs in two concerts, fall and spring. Students are required to audition for region and state choral groups, when applicable.

**Vocal Music I Men's Chorus 9-12****45204M**

*Prerequisite: None*

This course provides specialized development of the male voice. Special attention is also given to music theory, music history, ear training and sight singing. The student may be recommended for membership in a more advanced vocal ensemble upon demonstration of satisfactory proficiency.

**Vocal Music I-IV Music Women's Choir 10-12****45204W**

*Prerequisite: none*

This course provides specialized development of the treble voice. Special attention is also given to music theory, music history, ear training and sign singing. The student may be recommended for membership in a more advanced vocal ensemble upon demonstration of satisfactory proficiency. Students are *encouraged* to audition for region and state choral groups, when applicable.

**Vocal Music II-IV Chamber Singers10-12****45205C***Prerequisite: Audition*

This course is a mixed ensemble made up of advanced level vocalists who are committed to performance of high quality choral repertoire. Auditions will be held in early spring to facilitate scheduling for the fall. The course emphasizes the development of solo vocal skills, advanced music literacy, standards for music analysis, sight singing techniques, music listening skills, and music history. Students will be required to attend periodic extra rehearsals to meet the choir's performance expectations. Chamber Singers perform in several concerts during the year and attend choral performance assessments, fall and spring. They also perform locally upon request. Students are required to audition for region and state choral groups.

**Vocal Music I-IV Show Choir 11-12****45204S***Prerequisite: Audition*

This course is a mixed ensemble made up of vocalists who perform swing, jazz, pop, and show music with choreography. Students must pass a vocal and dance audition to be considered for membership, have a 2.0 GPA and be recommended by a teacher outside the music, drama or dance departments to verify the student's "good standing" within the school. Show Choir performs in many concerts and events during the year. Students should have access to transportation for attending extra rehearsals and a cell phone or other device to use in rehearsing music and choreography files, and to receive communication from the director and student leaders.

# PHYSICAL EDUCATION AND HEALTH

Subject	Grade	Credit
Health and Safety	9-12	.5
Physical Education (one semester)	10-12	.5
Physical Education (Year Long)	9	1
Recreational Education (one semester)	10	.5

## Subject/Prerequisite/Course Description

### Digital Health and Safety

**480000**

*Prerequisite: None*

Digital Health consists of planned learning experiences which will assist students in achieving desirable understandings, attitudes and practices related to critical health issues. Areas of study will be emotional health, personal fitness, alcohol/tobacco/drug use and abuse, communicable and degenerative diseases including those sexually transmitted and ways to choose medical and health services. Curriculum incorporates the use of technology to satisfy the state-required digital learning course.

### Physical Education – Personal Fitness for Life (one semester)

**485010**

*Prerequisite: None*

Physical Education is a course designed to develop an appreciation of the history, rules, strategies and sportsmanship of selected team and individual sports. Cooperating activities and team sports will be volleyball, basketball and softball. Individual sports may include tennis, badminton, pickle ball, aerobics and bowling. Each activity will last two to four weeks and will be introduced with emphasis placed on the history, strategies and rules. At the end of the activity, a written test will be administered. At the beginning of the semester each student will participate in physical conditioning ending with the AAPHERD Fitness Test or one of comparable value. Students then will be allowed to choose an activity depending on the availability of staff, space and equipment.

### Physical Education (Year Long)

**485000**

*Prerequisite: None*

This year long Physical Education course expands on the content listed for the above course.

### Recreational Education (one semester)

**485020**

*Prerequisite: Semester of Physical Education*

Recreational Sports and Activities is a one semester course which includes a planned curriculum to provide content and learning experiences in basic motor skills and movement concepts as they apply to physical activity, lifetime sports and recreational activities.

# WORKFORCE EDUCATION PROGRAMS

## ADVERTISING DESIGN

Subject	Grade	Credit
Advertising Design I	11-12	1
Advertising Design II	12	1
Fundamentals of Photography	11-12	1
Intermediate Photography	12	1

### Subject/Prerequisite/Course Description

#### Advertising Design I

494150

*Prerequisite: Art I*

This course focuses on learning the basics of design and illustration. Students will learn introductory knowledge of design software such as Photoshop, InDesign, and Illustrator to create a variety of print projects. Students will also learn skills in preparation for a career in graphic design. There is an End Of Course Exam at the end of the year. A minimal amount of art supplies is needed.

#### Advertising Design II

494170

*Prerequisite: Advertising Design I*

This course focuses on more advanced projects using Photoshop, Illustrator, InDesign, and will introduce webpage design, and animation. There is an End Of Course Exam at the end of the year.

#### Fundamentals of Photography

494350

*Prerequisite: None*

This core introductory program is designed to provide practical knowledge and skill in preparation for a career in photography, including manual functions of the digital camera, composition, and development of ideas. There is an End of Course Exam taken at the end of the year. Course supplies include a digital camera, a camera enabled phone or SD card and batteries to use with school provided cameras.

#### Intermediate Photography

494370

*Prerequisite: Fundamentals of Photography*

This course study will provide students with fine tuned knowledge and skills in photography. There is an End Of Course Exam at the end of the year. Course supplies include a manual digital camera, a camera enabled phone, or SD card and batteries to use with school provided cameras.

## BUSINESS EDUCATION

Subject	Grade	Credit
Computerized Accounting I	10-12	1
Computerized Accounting II	11-12	1
Computer Business Applications	9-12	1
Management	11-12	1

### Subject/Prerequisite/Course Description

#### Computerized Accounting I

**492100**

*Prerequisite: Computer Business Applications*

This is a two semester course which emphasizes basic accounting principles as they relate to both manual and computerized financial systems. Instruction is on an integrated basis using computers, a software package for computerized accounting and calculators as the relationships and processes of manual and computerized accounting are presented. Entry level skills in accounting occupations can be attained.

#### Computerized Accounting II

**492110**

*Prerequisite: Computerized Accounting I*

This is a two semester course designed to provide students with the knowledge, understanding and skill necessary for successful careers in accounting. Partnership as well as departmental, corporate and cost accounting systems are components of the course. Emphasis will be given to the computerized/automated functions in accounting.

#### Computer Business Applications

**492120**

*Prerequisite: Keyboarding*

This is a two semester course designed to prepare students with an introduction to business applications necessary to live and work in a technological society. Emphasis will be given to hardware, concepts and business uses of applications. The business applications covered are work processing, database, spreadsheet, telecommunications, presentation and Web page design.

#### Management

**492320**

*Prerequisite: Computerized Business Applications*

This is a course of study focusing on business ownership, organization, management and finance. It incorporates an overview of various economic applications with an emphasis on technology in the business world. Students are exposed to legal, ethical and social obligations of business. Units include savings and investments, taxes and governments and formulating a business plan.



# CRIMINAL JUSTICE

Subject	Grade	Credit
Introduction to Criminal Justice	10-11	1
Foundations of Law Enforcement	11-12	1
Criminal Law	11-12	1

## Subject/Prerequisite/Course Description

### Introduction to Criminal Justice

**494620**

*Prerequisite: None*

This course will introduce students to the criminal justice system by allowing students to discover the legal system's strengths and ways to participate in the system. The course will enable students to discover how laws affect their entire life and how to connect the development of laws to societal and individual values. An important part of the course is the use of community resources such as the North Little Rock Police Department, local bar association, judiciary and other legal agencies. Students will also explore the variety of career opportunities in law enforcement and public safety.

### Foundations of Law Enforcement

**494630**

*Prerequisite: Introduction to Criminal Justice*

This instructional program prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations and witness interviewing.

### Criminal Law

**494610**

*Prerequisite: Introduction to Criminal Justice*

This course is part of the Criminal Justice career completer program. It is designed to give students a more thorough exposure to criminal law and the use of these statutes in the law enforcement profession. This course can be blocked with Foundations of Law enforcement for vocational completer status.

# JUNIOR RESERVE OFFICERS TRAINING COURSE

Subject	Grade	Credit
Army JROTC I	9-12	1
Army JROTC II	10-12	1
Army JROTC III	11-12	1
Army JROTC IV	12	1

## Subject/Prerequisite/Course Description

### Army JROTC I

**495790**

*Prerequisite: None*

This course covers a broad spectrum of subjects including Foundation of Army JROTC, foundations for success, service, learning, technology awareness, studying effectively, test taking, developing winning habits, job interviewing, goal setting, leadership skills, planning, speaking and writing effectively and fitness. Students completing this course shall be eligible to receive the required .5 unit of Physical Education credit for graduation.

### Army JROTC II

**495800**

*Prerequisite: JROTC I*

This second year course continues to build on the subjects taught during the first year of JROTC and places emphasis on how our government works, the Constitution, and leadership skills such as motivating others, making decisions, social responsibility and conflict resolution. Students will also work as a team member, learn how to lead, problem solve, learn management skills and motivation. Lessons in wellness, fitness and first aid will give students participating in and completing this course the eligibility to receive the required .5 unit of Health credit for graduation.

### Army JROTC III

**495810**

*Prerequisite: JROTC II*

Students in this third year course assume command and leadership roles, assisting students new to JROTC. They serve as assistant instructors during leadership lab, focus on leadership situations, foundations for success, conflict resolution, financial planning, fitness, the Federal judicial system, environmental awareness and exploring the world.

### Army JROTC IV

**495890**

*Prerequisite: JROTC III*

Focus in this fourth year class is on the practical applications of the student's leadership duties and responsibilities within the cadet battalion. Therefore, the year will be structured to allow students to perform their assigned command or staff duties, act as class instructors for subjects such as first aid, map reading, etc. Academic instruction includes suggested reading, seminars, vignettes and case study, college/career planning skills and community service.

# MEDICAL PROFESSIONS

Subject	Grade	Credit
Introduction to Medical Professions	10 -12	.5
Introduction to Medical Professions Extended	10	.5
Medical Terminology	10-12	.5
Medical Procedures	11-12	.5
Medical Procedures Extended	11-12	.5
Human Anatomy and Physiology	11-12	1
Pharmacy Technology Fundamentals	12	1

## Subject/Prerequisite/Course Description

### Introduction to Medical Professions

**495340**

*Prerequisite: None*

This foundation course for medical professions includes the study of medical history, medical math, medical law, professionalism and **CPR/First Aid Certification**. There is a \$15.00 yearly membership fee for **Health Occupations Students of America**. Student may also qualify for the **Junior Medical Reserve Corps**.

### Introduction to Medical Professions Extended

**495380**

*Prerequisite: None*

This course is designed as an extension of Introduction to Medical Professions. The course provides students with a general overview of the more crucial content areas of the medical professions education program core courses. Areas covered are medical terminology, medical math, anatomy/physiology, CPR/First Aid and infection control.

### Medical Terminology

**495360**

*Prerequisite: None*

This course assists students in developing the language used for communication in the healthcare profession. Areas of study include fundamental word structures, terminology for diagnostic and imaging procedures and general medical terms for the body systems.

### Medical Procedures

**495330**

*Prerequisite: Introduction to Medical Professions Extended, Application and Acceptance*

Medical Procedures is a one-semester course that provides basic patient care training and nursing assistant certification training. Expenses include the cost of scrubs, white leather shoes and a watch with a second hand. Students must have a **CPR/First Aide Certification Card** and transportation to clinical sites. A valid AR driver's license or ID is required for students training to take the AR State Nursing Assistant Exam.

# SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS (STEM)

Subject	Grade	Credit
EAST Initiative I – IV	9-12	1
Introduction to Engineering Design (IED)	9-10	1
Digital Electronics	10-11	1
Principals of Engineering	10-12	1
Principals of Biomedical Science	10-12	1
Computer Science & Software Engineering	9-10	1

## Subject/Prerequisite/Course Description

EAST Initiative I – IV

**560010/560020/560030/560040**

*Prerequisite: None*

E.A.S.T. Initiative (*Environmental and Spatial Technology*) engages students in a project based approach to problem solving while using technology. After learning to use the hardware and software contained in the EAST classroom, students will work both independently and in teams to solve "real world" problems. Problems may involve students in mapping and surveying (including working with global positioning systems), geographic information systems, Visual Basic programming, database applications, web page design, Autodesk, ArchiCAD, SketchUp, digital photo/video editing and animation applications. This course counts as one unit of credit toward completer status in any of the career and technical areas of study. Credit may be granted for additional years of this course.

**Introduction to Engineering Design (IED)**

**495480**

*Prerequisite: High Level of Mathematics*

Designed for 9<sup>th</sup> – 12<sup>th</sup> grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. Included in this course is the Pathway to Engineering Lab that enables students to explore the design process and links STEM principles to relevant problem-solving activities.

**Principles of Engineering (POE) – Second Year Course**

**495490**

*Prerequisite: Introduction to Engineering Design (IED)    Requisite: Concurrent PTE*

Designed for 10<sup>th</sup> – 12<sup>th</sup> grade students, this survey course exposes students to major concepts they'll encounter in a postsecondary engineer course of study. Topics include mechanisms, energy, statistics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. Included in this course is the Pathway to Engineering Lab that enables students to explore the design process and links STEM principles to relevant problem-solving activities.

## TELEVISION BROADCASTING

Subject	Grade	Credit
Television I	10- 12	1
Television II	11-12	1
Television III	12	1
Advanced Television	12	1
Television Lab	11- 12	1

### Subject/Prerequisite/Course Description

#### Television I 493420

*Prerequisite: None*

This core program is designed to provide practical knowledge and skill in preparation for a career in television production.

#### Television II 493430

*Prerequisite: Television I*

This production-based core program is designed to provide the serious television student with practical knowledge and advanced skill levels for a career in television production.

#### Television III 493870

*Prerequisite: Television II*

This collaborative production-based program is designed to provide the advanced television student with practical knowledge and highly advanced skills for a comprehensive career in television production.

#### Advanced Television 493440

*Prerequisite: Television II*

This independent production-based program is designed to provide the advanced television student with practical knowledge and highly advanced skills for a comprehensive career in television production.

#### Television Lab 493450

*Prerequisite: Television I*

A lab to support Television II.

## Local Credit Only/Activity Credit

There are four local credits available to students due to North Little Rock graduation requirements exceed the State minimum (4 credits). Students may take up to one Local Credit/Activity Credit per year in grades 9 – 12.

Subject	Grade	Credit
Football/Basketball/Track	9-12	1
Other Athletics	9-12	1
Peer Leadership II	12	1
Spirit Groups	9-12	1
ACT Prep Course	11-12	.5

### Subject/Prerequisite/Course Description

#### Football/Basketball/Track

*Prerequisite: Must pass athletic physical*

Student scheduled into athletic practice periods must have permission of the coach and meet eligibility requirements as described on the [General Scheduling Information](#) page. Student athletes will select six academic courses plus one period of athletics. During the off season, Physical Education credit may be awarded if the State standards for Physical Education are included in instruction.

#### Other Athletics

*Prerequisite: Must pass athletic physical*

Student scheduled into athletic practice periods must have permission of the coach and meet eligibility requirements as described on the [General Scheduling Information](#) page. Student athletes will select six academic courses plus one period of athletics. Those participating in only spring semester sports should consider selecting courses easily changed at semester. PE credit may be awarded if the State standards for PE are included in instruction.

Boys – Soccer, Baseball, Cross Country, Golf, Tennis

Girls – volleyball, Soccer, Softball, Cross Country, Golf, Tennis

#### Peer Leadership II

99912P

*Prerequisite: Successful completion of Peer Leadership I, 2.5 GPA*

This full year elective course expands the content presented in Peer Leadership I. Students will serve as role models for elementary children and as a mentor to a preschool child. In addition, students will present original productions on character education and health issues to schools and civic organizations.

### **Spirit Groups**

**99985C/99985F**

*Prerequisite: Must pass athletic physical*

Students scheduled into this practice period for Spirit Groups will have been selected through a competitive try out process. Students will have met the eligibility requirements as described on the **General Scheduling Information** page as well as the Spirit Group Handbook. Spirit Group members will select six academic courses plus one period of Spirit Group.

Cheerleading

Dance Team

### **ACT Prep Course**

**999880**

*Prerequisite: Plans to attend college*

This college admissions test prep course is designed to improve scores in English, reading, math, and science on the ACT. Students will learn test taking and time management skills that may benefit them on the actual test. One goal is to enable students to score a 19 in English, reading, and math to avoid remedial courses in college. A second goal is to increase scores to scholarship level performance.

# CAREER TECHNICAL EDUCATION COMPLETERS

Students may qualify for a cord to be worn at graduation.

## Programs of Study

### Art

- ◇ Advertising Design I
- ◇ Fundamentals of Photography
- ◇ One other remaining Ad Design credit

### Business Education

- ◇ Computer Business Applications
- ◇ Computer Accounting I
- ◇ Management

### Criminal Justice

- ◇ Introduction to Criminal Justice
- ◇ Foundations of Law Enforcement
- ◇ Criminal Law

### Family and Consumer Sciences (FACS)

- ◇ Family and Consumer Sciences (FACS)
- ◇ Electives: Any FACS combination totaling 2 credits or can use JAG as 1 of the credits

### JROTC

- ◇ Army JROTC I
- ◇ Army JROTC II
- ◇ Army JROTC III
- ◇ Army JROTC IV

### Medical Professions

- ◇ Introduction to Medical Professions
- ◇ Introduction to Medical Professions Extended
- ◇ Medical Procedures
- ◇ Medical Procedures Extended
- ◇ Human Anatomy and Physiology

### Science Technology Engineering Mathematics

- ◇ EAST Initiative I – IV
- ◇ Introduction to Engineering Design (IED)
- ◇ Principles of Engineering (POE)
- ◇ Computer Science and Software Engineering
- ◇ Principles of Biomedical Science



## 2016 DIVISION I NEW ACADEMIC REQUIREMENTS

### Division I

College bound student athletes first entering an NCAA Division I college or university on or after August 1, 2016 will need to meet new academic rules in order to receive athletics aid (scholarship), practice or compete during their first year.

### What are the New Division I Requirements?

Full Qualifier	Academic Redshirt	Nonqualifier
Complete 16 Core Courses: <ul style="list-style-type: none"> <li>10 of the 16 core courses must be complete before the seventh semester (senior year) of high school</li> <li>7 of the 10 core courses must be in English, Math or Science</li> </ul>	Complete 16 Core Courses	Does not meet requirements for Full Qualifier or Academic Redshirt status
Minimum Core Course GPA of 2.300	Minimum Core Course GPA of 2.000	
Meet the sliding scale requirement of GPA and ACT/SAT score	Meet the sliding scale requirement of GPA and ACT/SAT score	
Graduate from high school	Graduate from high school	

**Full Qualifier** – A college bound student athlete may receive athletics aid (scholarship), practice and compete in the first year of enrollment at the Division I college or university.

**Academic Redshirt** – A college bound student athlete may receive athletics aid (scholarship) in the first year of enrollment and may practice in the first regular academic term (semester or quarter) but may NOT compete in the first year of enrollment. After the first term is complete, the college bound student athlete must be academically successful at his/her college or university to continue to practice for the rest of the year.

**Nonqualifier** – A college bound student athlete cannot receive athletics aid (scholarship), cannot practice and cannot compete in the first year of enrollment.

### Examples

**Q:** A college bound student athlete completes nine core courses prior to the seventh semester of high school. What is the college bound student athlete's initial eligibility status?

**A:** The college bound student athlete cannot be certified as a qualifier because only nine of the ten required courses were completed before the seventh semester. He/she would be permitted to practice and receive aid (scholarship) provided he/she presents sixteen core courses and meets the necessary core course GPA and test score requirement at the time of graduation.

**Q:** A college bound student athlete completes sixteen core courses in the required framework with a 2.200 core course GPA and a 79 sum ACT. What is the college bound student athlete's initial eligibility status?

**A:** The college bound student athlete is an academic redshirt under the new sliding scale because the minimum GPA requirement is 2.300. See Sliding Scale page.

**Q:** A college bound student athlete complete fifteen core courses with a 2.500 core course GPA and an 820 SAT score (critical reading and math). What is the college bound student athlete's NCAA initial eligibility status?

**A:** The college bound student athlete is a Nonqualifier because only fifteen core courses were completed, not the required sixteen core courses.

Proposed Plan for School Choice Advertising  
Eric, Robin, Issac Advertising Agency

\$17,500:

- 1-2 flights of radio for School Choice
- Community town halls/meetings for school competitive area
- Public relations (through the district's staff)
- Some Facebook/digital advertising

\$25,000:

- 2-3 flights of radio for School Choice
- Small outdoor campaign for school competitive area
- Community town halls/meetings for school competitive area
- Public relations (through the district's staff)
- Some Facebook/digital advertising

\$50,000:

- Cable TV advertising for School Choice
- 2-3 flights of radio for School Choice
- Outdoor campaign for school competitive area and School Choice
- Community town halls/meetings for school competitive area
- Public relations (through the district's staff)
- Facebook/digital/mobile advertising for school competitive area and School Choice



NLR School District  
Media Authorization  
Target Audience: Adults 18-49  
Geography: Little Rock, North Little Rock

Radio	Time	Ad Length	Cost per Spot	Spots per Week	Cost per Week	Total Weeks	Total Cost
KLAL-FM, Alice	Sat. 10a -7p	:30	\$35.00	12	\$420.00	5	\$2,100.00
	Fri. 7p-12a	:30	\$12.00	8	\$96.00	5	\$480.00
KIPR-FM, Power	Sat. 10a -7p	:30	\$30.00	10	\$300.00	5	\$1,500.00
	Fri. 7p-12a	:30	\$10.00	8	\$80.00	5	\$400.00

\*\*non-profit matching 2/1 M-f 6a-12m = 95 spots

Total Radio: \$4,480.00

Online	Ad Size	CPC	Clicks Per Week	Cost per Week	Total Weeks	Total Cost
Facebook/Promoted Posts	25 character headline, 90 character body, 120x120 image/promoted posts	TBD	TBD	\$400.00	16	\$6,400.00

Total Online: \$6,400.00

Creative	Details	Total Months	Total Costs
Public Relations	coordinate and attend, facilitate town hall meetings	12	\$5,000.00
Eric Rob Isaac	production and creative time to write and produce radio and television spots	1	\$1,500.00

Total Creative: \$6,500.00

Total Cost: \$17,380.00

Client Approval

Date



NLR School District  
Media Authorization  
Target Audience: Adults 18-49  
Geography: Little Rock, North Little Rock

2015	January				February				March				April				May				June				July				August				September				October				November				December						
	29	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14
Radio																																																			
KLAL-FM																																																			
KIPR-FM																																																			
Internet																																																			
Facebook/Promoted Posts																																																			
Creative																																																			
Public Relations																																																			



NLR School District  
Media Authorization  
Target Audience: Adults 18-49  
Geography: Little Rock, North Little Rock

Radio	Time	Ad Length	Cost per Spot	Spots per Week	Cost per Week	Total Weeks	Total Cost
KLAL-FM, Alice	Sat. 10a -7p	:30	\$35.00	12	\$420.00	10	\$4,200.00
	Fri. 7p-12a	:30	\$12.00	8	\$96.00	10	\$960.00
KIPR-FM, Power	Sat. 10a -7p	:30	\$30.00	10	\$300.00	10	\$3,000.00
	Fri. 7p-12a	:30	\$10.00	8	\$80.00	10	\$800.00

\*\*non-profit matching 2/1 M-f 6a-12m = 228 spots

Total Radio: \$8,960.00

Outdoor	Geography	Locations	Total Flights	Boards per flight	Cost per Flight	Total Cost
Lamar Poster Rotary	North Little Rock	see attached	2 (4wk flights)	digital poster	\$2,160.00	\$4,320.00

Total Outdoor: \$4,320.00

Online	Ad Size	CPC	Clicks Per Week	Cost per Week	Total Weeks	Total Cost
Facebook/Promoted Posts	25 character headline, 90 character body, 120x120 image/promoted posts	TBD	TBD	\$300.00	18	\$5,400.00

Total Online: \$5,400.00

Creative	Details	Total Months	Total Costs
Public Relations	coordinate and attend, facilitate town hall meetings	12	\$5,000.00
Eric Rob Isaac	production and creative time to write and produce radio spots	1	\$1,500.00

Total Creative: \$6,500.00

Total Cost: \$25,180.00

Client Approval

Date

Target Audience: Adults 18-49  
 Geography: Little Rock, North Little Rock

2015	January				February				March				April				May				June				July				August				September				October				November				December							
	29	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21
Radio																																																				
KLAL-FM																																																				
KIPR-FM																																																				
Outdoor																																																				
Lamar																																																				
Internet																																																				
Facebook/Promoted Posts																																																				
Creative																																																				
Public Relations																																																				

NLR School District  
Media Authorization  
Target Audience: Adults 18-49  
Geography: Little Rock, North Little Rock

Broadcast	Day/Time	A25-54 GRP's	Cost per Spot	Spots per Week	Cost per Week	Total Weeks	Total Cost
KARK, KATV	M-F 6a-10a	TBD	\$400.00	30	\$5,000.00	3	\$15,000.00

**\$15,000.00**

Radio	Time	Ad Length	Cost per Spot	Spots per Week	Cost per Week	Total Weeks	Total Cost
KLAL-FM, Alice	Sat, 10a-7p	:30	\$35.00	12	\$420.00	10	\$4,200.00
	Fri, 7p-12a	:30	\$12.00	8	\$96.00	10	\$960.00
KIPR-FM, Power	Sat, 10a-7p	:30	\$30.00	10	\$300.00	10	\$3,000.00
	Fri, 7p-12a	:30	\$10.00	8	\$80.00	10	\$800.00

**\*\*non-profit matching 2/1 M-Su 6a-12m = 228 spots**

**Total Radio: \$8,960.00**

Outdoor	Geography	Locations	Total Flights	Boards per Flight	Cost per Flight	Total Cost
Lamar Poster Rotary	North Little Rock	see attached	3 (4wk flights)	6	\$2,160.00	\$6,480.00

**Total Outdoor: \$6,480.00**

Online	Ad Size	CPC	Clicks Per Week	Cost per Week	Total Weeks	Total Cost
Facebook/Promoted Posts	25 character headline, 90 character body, 120x120 image/promoted posts	TBD	TBD	\$300.00	18	\$5,400.00
YouTube pre-roll	:15s	\$17.65	15,000	\$264.71	4	\$1,058.85
Mobile Campaign	728x90, 160x600 & 300x250	\$3.24	150,000	\$485.31	4	\$1,941.23

**Total Online: \$8,400.08**

Creative	Details	Total Months	Total Costs
Public Relations	coordinate and attend, facilitate town hall meetings	12	\$5,000
Eric Rob Isaac	production and creative time to write and produce radio and television spots	1	\$11,500.00

**Total Creative: \$16,500.00**

**Total Cost: \$55,340.08**

Client Approval \_\_\_\_\_

\_\_\_\_\_ Date

Target Audience: Adults 18-49  
 Geography: Little Rock, North Little Rock

2015	January				February				March				April				May				June				July				August				September				October				November				December						
	29	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14
Cable KARK/KATV																																																			
Radio KLAL-FM																																																			
KIPR-FM																																																			
Outdoor Lamar																																																			
Internet Facebook/Promoted Posts																																																			
Youtube																																																			
Mobile																																																			
Creative Public Relations																																																			