Waverly High School Curriculum



2023-2024 Freshmen Course Description Book

Parents and Students:

Please use this site to access all the links below. This site will provide the answers to many of your questions as well as provide you many educational opportunities. Please contact us if you have questions regarding academic progress, scholarship and college searches, or any other guidance concerns.

Below is a partial snapshot of the Counseling Office front webpage.

Jason Boitnott

Email: jason.boitnott@district145.org
Students:
Alpha last name A-G

TJ Wynn

Email: ti.wynn@district145.org
Students:
Alpha last name H-O

Kelly Verkamp

Email: kelly.verkamp@district145.org
Students:
Alpha last name P-Z

We are continually working to update our website...please check the site frequently for updated opportunities, scholarship information, and deadlines.

Follow us on Facebook!

www.facebook.com/waverlyvikings

	2022-23 WHS PowerSchool Update Schedule	WHS College Visits	Recommendation Letter
<u>Transcript Requests</u>		College Visit & Job Shadow Forms & Instructions	Student Opportunities
<u>Confidentiality</u>	2022-2023 SCC & WHC Academy Course Book	Making a College Choice	Job Opportunities
Guidance Terms & Acknowledgements	2022-2023 Freshmen Course Book	College Websites	Practice Interview Form
Graduation Requirements & GPA	2022-2023 WHS Course Book	Education Quest Foundation	<u>Drivers Education</u>
Testing & Entrance Information		9th & 10 Grade Students - KnowHow2Go to College	
<u>ACT</u>		College Fair Opportunity	<u>Scholarships</u>
SAT		Apply2College & 4Financial Aid Event	2022 Senior Parent Letter
Personal Social Development		College Athletics	
Nebraska Family Helpline		Military Opportunities	

The above links are subject to change.

WHS Career & Technical Education

Agriculture

Business & Information Technology

Family & Consumer Sciences

Skilled & Technical Sciences

Communications & Fine & Performing Arts

Although not CTSO's, these areas provide career-related opportunities



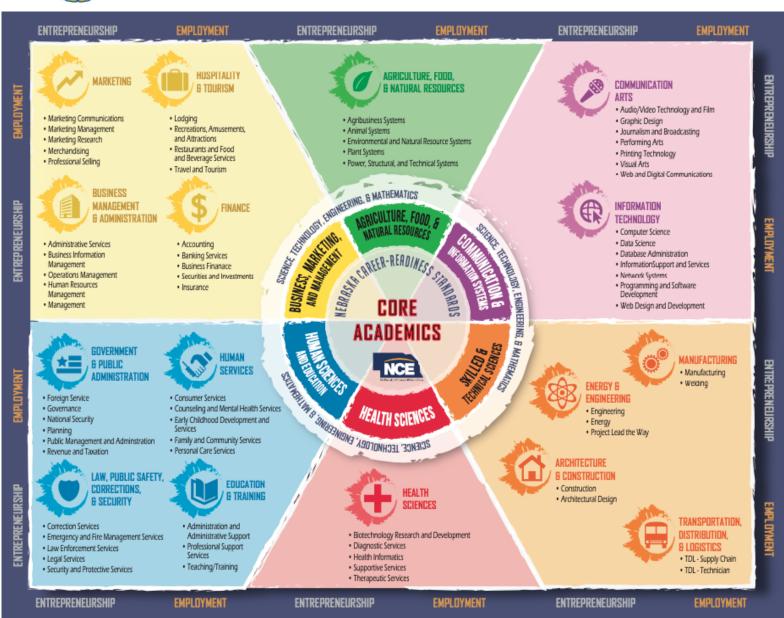












Above is the Nebraska Career Model. Please explore the courses offered at Waverly High School on the following pages. The courses within each career field will provide you with the skills and experiences necessary to prepare you for related college majors and careers.

Agriculture, Food, & Natural Resources

	,		
	Career Possibilities:	Recommended WHS high school cl	asses:
Animal	Animal Nutritionist Pharmaceutical or Feed Sales Meat Processor Feedlot or Confinement Manager Veterinarian	Agriculture Intro to Ag OR Biology Animal Science Veterinary Science Large Animal Management Companion Animals Family & Consumer Sciences Medical Terminology (Vet Science only)	Business Intro to Business Entrepreneurship
Plant Science	Greenhouse Manager Agronomist Seed or Fertilizer Sales Florist Landscape Design	Agriculture Intro to Ag OR Biology Plant Science Landscape Design Floriculture Skilled & Technical Sciences Residential Design Fine Arts Art Exploration (Any)	Business Intro to Business Entrepreneurship Family & Consumer Sciences: Interior Design Skills Advanced Interior Design Skills
Agribusiness	Agricultural Loan Officer Agricultural Sales Grain Merchandiser Insurance Agent Marketing Manager Stock Market Broker	Agriculture Intro to Ag Agribusiness Ag Sales and Marketing	Business Intro to Business Entrepreneurship Micro/Macro Economics Business/Personal Law Web Page Design
Natural Resources	Conservation Officer Soil or Water Scientist Wildlife Biologist Environmental Lawyer	Agriculture Intro to Ag Natural Resources Wildlife Management Skilled & Technical Sciences Construction Technology	Business Intro to Business Entrepreneurship Micro/Macro Economics
Power & Structural Systems	Machine Operator Welder Agriculture Engineer Gas or Diesel Mechanic	Agriculture Intro to Ag Welding Skilled & Technical Sciences Essential Tech Skills Intro to Engineering Design	Business Intro to Business Entrepreneurship Southeast Community College Welding Academy
pq Jce	Food Scientist Flavor Chemist	Agriculture Animal Science Large Animal Management Plant Science	Business Intro to Business Entrepreneurship

Flavor Chemist Food Product Developer Food Safety Inspector Sensory Evaluator

Family & Consumer Sciences Nutrition & Food Culinary Skills

Only students enrolled in agricultural courses are eligible for FFA membership

Introduction to Agriculture, Food & Natural Resources

Course Length: One semester

Grade Level: 9, 10
Prerequisite: None
Course Credit: 5 credits

This curriculum emphasizes the major components of the agricultural, food, fiber, & natural resources systems. This course will prepare students to make informed decisions of the program of study in which they are interested. This course will allow students to experience seven agricultural pathways: Agribusiness, Animal, Plant, Natural Resources, Environmental, Food Processing, and Power, Structural, & Mechanical Systems through hands-on laboratory experiences. It will introduce students to the Agricultural Education Model of Classroom/Lab Instruction, Supervised Agricultural Experiences, and FFA. Highlighted in the course are several FFA events including Public Speaking, Animal Evaluation, Food Science, Parliamentary Procedure, Natural Resources, and many others.

Natural Resources

Course Length: One semester Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Credit: 5 credits

Curriculum emphasizes basic scientific principles involved in conserving and/or improving natural resources such as air, water, land, forestry, wildlife, and energy. Students will gain an understanding of alternative energy, important natural resources in Nebraska, and basic wildlife management. This course will also highlight the FFA Natural Resources, Land Evaluation, and Envirothon events.

Plant Science

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This course applies scientific principles to the management of plants. Topics covered include structure and function of plants, including requirements for growth, methods of propagation, plant anatomy, nutrition, and the management of pests and diseases. Identification and selection of plants along with their use and functions and physiological processes are also stressed. Students will gain hands-on experience in the plant science industry. This course will highlight the FFA Nursery and Landscape, Land Evaluation, Floriculture, and Agronomy events.

Animal Science

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: None Course Credit: 5 credits

This course is designed to help students develop a foundational understanding of biological principles of animal production which will influence and affect management decisions. Students will gain a basic understanding of animal anatomy, physiology, genetics, nutrition, health, and animal welfare. This course will also highlight the FFA Meat Science, Livestock Management, Veterinary Science, and Livestock Selection Events.

Companion Animals

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Animal Science recommended

Course Credit: 5 credits

This is a course to help students demonstrate a basic understanding of the care of small animals, while also understanding the biological principles of small animals which will influence and affect management decisions. Students will study companion animals including cats, dogs, rabbits, rodents, other small mammals, birds, fish, reptiles, & other companion animals. This course will highlight the FFA Veterinary Science Event and prepare students for responsible pet ownership.

Business, Management and Marketing

			<u></u>
	Career Possibilities:	Recommended WHS high school	classes:
Marketing	Fashion Marketer Commercial Director Sports Agent iTunes Podcast Promoter Anything video games	Business Entrepreneurship Intro to Business Info Tech 1, 2 Business Law Math Pre-College Math	Agriculture Agribusiness Family & Consumer Sciences Interior Design Skills Advanced Interior Design Skills Fashion Design Skills Advanced Fashion Design Skills
Hospitality & Tourism	Amusement & Recreation Attendant Concierge Cruise Ship Director Curator Gaming Dealers	Business Entrepreneurship Info Tech 1, 2 Intro to Business Accounting 1 Accounting 2	Family & Consumer Sciences Nutrition & Food Culinary Skills
Business Management & Administration	IT Project Manager Actuaries Advertising & Promotion Manager General & Operations Manager Lawyer	Business Entrepreneurship Business Law Personal Finance Intro to Business Accounting 1 Accounting 2	Agriculture Agribusiness Math Pre-College Math
Finance	Financial Analyst Accountant Economist Treasurer Personal Financial Advisor	Business Personal Finance Entrepreneurship Info Tech 1 Intro to Business Micro/Macro Economics Accounting 1 Accounting 2 Agriculture Agribusiness	Family & Consumer Sciences Child Development Relationships & Family Strengths Interior Design Skills Culinary Skills

Communications & Information Systems

	Career Possibilities:	Recommended WHS high school cl	asses:
Information Technology	Communications Analyst Network Engineer Database Administrator Programmer Computer Engineer Software	Business Info Tech 1 Info Tech 2 Web Design Computer Science	
Arts, A/V Technology, & Communications	Web Page Design Desktop Publishing Fashion or Interior Design Performing Artists (Actor, singer, dancer, director, choreographer, vocal coach, teacher, etc) Theatrical Production Member (hair/makeup/costume design & construction; set designer/builder/painter; light/sound designer; management; etc)) Journalist (print, broadcasting, digital, radio, podcast, etc) Producer Telecommunications	Business Info Tech 1 Info Tech 2 Web Design Entrepreneurship Intro to Business Communications Viking Yearbook Advanced Publications	Family & Consumer Sciences Interior Design Skills Advanced Interior Design Skills Fashion Design Skills Advanced Fashion Design Skills Performing Arts Theatre All Art Courses

Introduction to Business

Course Length: One semester

Grade Level: 9, 10
Prerequisite: None
Course Credit: 5 credits

This survey course is designed to introduce the student to the principles and functions of business. Business will be studied as part of a total social, political and economic environment. The various functional areas of business will be discussed; economics, forms of business ownership, small business, entrepreneurship, management, human relations, marketing, accounting, finance, stock market and business law. Emphasis will be placed on hands-on activities, web-based activities, and real-life application.

Information Technology Applications I

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Students will explore emerging technologies as it applies to their success in high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally.

Information Technology Applications II

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Knowledge of Microsoft Office is a must.

Course Credit: 5 credits

This course will focus on skill development in advanced spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Additionally, students will develop skills in desktop publishing and will identify issues related to Internet use and security, electronic communication, and ethics.

<u>Advanced Publications</u>

Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: An application may be required

Course Credit: 10 credits

Broadcast journalism will focus on the implementation of Striv TV at Waverly High School. Students will learn to use equipment – setting up and tearing down – as well as the facets of broadcasting live events. Striv U zoom sessions will be used to help teach students how to use wirecast, adobe, slack and photoshop. Students will be trained on proper interviewing techniques as well as how to broadcast a live sporting event. Podcasting and using social media platforms such as Twitter, Instagram and Snapchat will be used to tell the stories of the many successful activities and students at Waverly High School.

Viking Yearbook

Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: An application may be required

Course Credit: 10 credits

Registration Form: Students will receive a follow-up email

Other: Students will be held financially responsible for all equipment checked out to them during the class

This journalism class is designed to give students the various skills required in the publication of a yearbook. Although writing, interview, and photography skills are desirable, eagerness and enthusiasm are mandatory. Students will learn group cooperation along with the many aspects of layout, design, theme development, and copywriting associated with yearbook creation. Each student will produce the design, written material and photos pertaining to a particular topic in the school year. Throughout the course, students will gain an appreciation and distinct awareness of the "school year," an understanding that the yearbook serves as an archive and memory book, and an ability to approach new people in a variety of settings.

Duties and Responsibilities of a Viking/Yearbook Staff Member

As a Viking/Yearbook Staff Member you will:

- 1) Meet deadlines and be responsible for completing your pages; designing layouts, proofing, editing, etc. (May require before/after school time)
- 2) Go to the events of the pages you are given; take pictures, meet with advisors, administrators, students and/or coaches to get background information or interviews. (May require before/after school time)
- 3) Sell Business/Senior Ads to raise money for our book!
- 4) Come to class on time and prepared to work. Because it is a class, it takes precedence over extracurricular activities!
- 5) Be a team member! We will need everyone's help in order to create our book! This may require you to help other staff members cover their events.
- 6) Be organized and work independently. You are responsible for covering your events and knowing when they are. You will be given a lot of materials and expected to refer to them when designing your layout, taking pictures, writing copy, etc.

Human Services & Education

	Career Possibilities:	Recommended WHS high school classes:				
Human Services	Counseling Social Worker Non-Profit Family Services Dietitian Community Services	Family & Consumer Sciences Nutrition & Food Culinary Skills Advanced Culinary Skills Child Development Advanced Child Development Practicum Relationships & Family Strengths Interior Design Skills Advanced Interior Design Skills	Business Entrepreneurship Business Law Social Studies Psychology			
Education & Training	Teacher (early childhood, elementary, middle school, high school, post secondary, special education) Administrator Speech Pathologist Guidance Counselor	Family & Consumer Sciences Child Development Advanced Child Development Practicum Relationships & Family Strengths	Social Studies Psychology			
Law, Public Safety, Corrections, & Security	Corrections Officer Case Manager Police Officer Lawyer Security Director	Family & Consumer Sciences Child Development Relationships & Family Strengths Business Business Law Personal Finance Micro/Macro Economics	Social Studies Psychology Constitution and Citizenship			
Government & Public Administration	Lobbyist Senator National Security Intelligence Analyst Public & Foreign Affairs Auditor	Family & Consumer Sciences Relationships & Family Strengths Business Business Law Personal Finance Micro/Macro Economics	Social Studies Psychology Constitution and Citizenship			

Nutrition and Food

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Cost: \$20 fee (covers cost of food you produce and consume in the food labs)

In this semester-long course, students will develop the base foundation knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a beginning foundation of nutrition, students will learn basic preparation skills and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry. Students will leave the class being able to plan, produce, and communicate the importance behind healthy meals & habits to a specified target audience.

Fashion Design Skills

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Cost: Student is responsible for the purchase of supplies needed for this course.

This course is a personalized course for individuals interested in fashion and clothing construction. All students will apply the principles of design to hands-on projects meeting the needs of various populations and scenarios through design planning and presentation. Students who are interested in fashion and construction will cover: Basics of Textile and Apparel Design, Selection/Construction/Maintenance/ and Alterations of Textile Products, and Related Careers. It is recommended to enroll in Advanced Fashion Design Skills and Entrepreneurship to advance the skills learned in this course.

Interior Design Skills

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Cost: \$10 consumable fee. Student is responsible for the purchase of additional

supplies needed for this course.

This course is a personalized course for individuals interested in designing homes and interiors. All students will apply the principles & elements of design to hands-on projects meeting the needs of various populations and scenarios through design planning and presentation. Students who are interested in designing homes and interiors will cover: Housing Influences & Choices, Basics of Housing & Interior Design, & Related Careers. It is recommended to enroll in Advanced Interior Design Skills and Entrepreneurship to advance the skills learned from this course.

Advanced Fashion Design Skills

Course Length: One semester Grade Level: 9. 10. 11. 12

Prerequisite: Fashion Design Skills

Course Credit: 5 credits, may re-enroll in this course multiple times.

Cost: Student is responsible for the purchase of supplies needed for this course.

This course is designed to concentrate and advance your skills, studies, and experiences for fashion and construction after completing the Fashion Design Skills course. Students will work with the teacher to set individual learning plans for advanced levels. If this course matches your talents, passions, and interests, it is also recommended to re-enroll in the Advanced Fashion Design Skills course and enroll in Entrepreneurship.

Advanced Interior Design Skills

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Interior Design Skills

Course Credit: 5 credits

Cost: \$10 consumable fee. Student is responsible for the purchase of additional

supplies needed for this course.

This course is designed to concentrate and advance your skills, studies, and experiences for homes and interiors after completing the Interior Design Skills course. Students will work with the teacher to set individual learning plans for advanced levels.

Health Sciences

Career Possibilities: Recommended WHS high school classes: Family & Consumer Sciences <u>Agriculture</u> Nurse Intro to Health Sciences Veterinary Science **Health Sciences** Medical Terminology **Therapist** Nutrition & Food <u>Business</u> Child Development Entrepreneurship Physician Accounting 2 Surgeon <u>Science</u> Anatomy Southeast Community College Dentist Health Science Academy Social Studies Dietician Psychology Lab Scientist Health Care Manager

Intro to Health Sciences

Course Length: One semester Grade Level: 9, 10, 11, 12 Prerequisite: None

Course Credit: 5 credits

This course is designed to give an overview of the health science career fields including therapeutic, diagnostic, support services, biotechnology & research and health informatics pathways. The course focuses on health careers, exploration, leadership development, basic medical terminology, ethical and legal responsibilities, the history & economics of health care, diseases and disorders, positive and negative health and wellness behaviors, and first aid. Skills learned will be applicable to students continuing in the medical science field.

Skilled & Technical Sciences

	Career Possibilities:	Recommended WHS high school cl	asses:
Architecture & Construction	Architect Computer Aided Drafter Carpenter General Contractor Equipment Operator Demolition Engineer	Skilled & Technical Science Essential Technical Skills Residential Design Furniture Design Construction Technology Introduction to Building Construction Business Entrepreneurship Personal Finance Social Studies Psychology United States History	Agriculture Nursery Landscape Family & Consumer Sciences Interior Design Skills Advanced Interior Design Skills Math Geometry Algebra Science Biology Physics Fine Arts Art Exploration (any)
Manufacturing	Design Engineer Industrial Engineer Manufacturing Engineer Assembler Machine Operator Iron/Metalworker	Skilled & Technical Science Essential Technical Skills Intro to Engineering Design Furniture Design Construction Technology Welding Introduction to Building Construction Math Algebra Geometry Pre-College Math Business Personal Finance Entrepreneurship	Agriculture Welding Family & Consumer Sciences Interior Design Skills Advanced Interior Design Skills Social Studies Psychology Southeast Community College: Welding Academy Science Physics Biology
Transportation, Distribution & Logistics	Industrial Equipment Mechanic Facility Maintenance Manager Logistics Engineer or Manager Civil Engineer and Technician	Skilled & Technical Science Essential Technical Skills Math Algebra Geometry Pre-College Math Science Physics Biology	Social Studies Psychology Business Entrepreneurship Personal Finance
Science, Technology, Engineering, & Mathematics	Aeronautical Engineer Biotechnology Engineer Drafter Quality Technician Technical Writer Lab/Research Technician	Skilled & Technical Science Essential Technical Skills Residential Design Introduction to Engineering Design Family & Consumer Sciences Interior Design Skills Advanced Interior Design Skills Science All Science Courses	Business Entrepreneurship Personal Finance Info Tech 1 and 2 Agriculture Landscape Design Math All Math Courses

		Clail	od & '	Toohn	ical S	cience	
	(1)						1
En almondo a	6th Skilled and	7th Skilled and	8th Woods	9th	10th	11th echnical Skills	12th
Engineering Pathway	Technical	Technical		IED			Dociem
rathway	Science 6	Science 7	or Small	1.E.D		to Engineering Residential Desig	
	Science 0	Science /	Engines		1	tesidendai Desig	ш
				re this Pathw	av Loade:		
On the Job Training,	- Engineer	- General an			ay Leaus.	- Electricians	
Apprenticeships,	- Drafting		-	_	oi Electricians		
Journeymen, Community/Technical			_		JI Liecti Icialis		
College, Bachelor Degree and Beyond	Carpenters				hatronics En	gineering	
Degree and Deyond	Arcintecti	Licetronic	chamear rec	illiology/ life	matromes En	gmeering	
Manufacturing	Skilled and	Skilled and	Woods		Essential T	echnical Skills	
Pathway	Technical	Technical	or		Furnitu	re Design*	
	Science 6	Science 7	Small			Welding	
			Engines			Welding	at SCC
			When	re this Pathw	ay Leads:		
On the Job Training, Apprenticeships,	- Electricians	;	- General ar	nd Operation	s Managers		
Journeymen.	- Carpenters					natronics Engine	ering
Community/Technical College, Bachelor				Machining ar	nd Automatio	in Technology	
Degree and Beyond	- Industrial T	echnology T	eacher				
Arch. &	Skilled and	Skilled and	Woods		Essential T	echnical Skills	
Construction	Technical	Technical			Furnitu	re Design*	
Pathway	Science 6	Science 7			Intro to	o Building Const	ruction
-						Construction 7	
Where this Pathway Leads:							
On the Job Training,	- Architech		- General ar	nd Operation	s Managers	- Utility Linew	orker
Apprenticeships, Journeymen,	- Carpenters		- Industrial	Technology 7	Feacher	- Welding	
Community/Technical College, Bachelor	- Electricians	Electricians - Plumbers, Pipefitters, and Steamfitters					
Degree and Beyond	- Engineer		- Heating, Air Conditioning, and Refrigerations (HVAC)				
				* Double	check Prerequ	uisites for your gra	ıde level

Essential Technical Skills

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Cost: Students will pay all costs of personal projects

- Cost will vary depending on which project the student selects and current market price of lumber. Typical material cost is \$30-\$50 depending on project selection
- Safety glasses are required. We offer a low cost (under \$5) pair of safety glasses that students may purchase from the school. Students may also bring their own, but they will need to remain at school.

This course will study the essential technical skills for independence. Students will explore three key skills that will prepare them for the world of work or being an independent weekend warrior. These skills are car care, product design, and woodworking.

- Basic automobile maintenance and ownership will cover:
 - What is an automobile.
 - How to purchase an automobile and the cost associated with owning an automobile.
 - Basic home maintenance and how to interact with a technician should the need arise.
 - Roadside safety.
- Design skills including drafting, blueprint reading and project planning, using sketching and basic computer aided drafting (C.A.D.) design.
- Woodworking will include:
 - Using and knowing the safety of hand tools, and machines.
 - Students will build a Metric 500 CO2 race car (\$10) and
 - Two of the following: trophy shelf, toolbox, candy machine. (\$20 total)
 - Or an End Table (\$30-\$75, depending on wood type selected)

Furniture Design and Assembly

Course Length: One semester Grade Level: 9*, 10, 11, 12

Prerequisite: Essential Technical Skills is recommended.

*Freshman must have taken 8th grade "Woods"

Course Credit: 5 credits

Cost: Students will pay all costs of personal projects.

- Cost will vary depending on which project the students selects and current market price of lumber. Typical material costs \$80-\$300 depending on project selection.
- Safety glasses are required. We offer a low cost (under \$5) pair of safety glasses that students may purchase from the school. Or students may bring their own that need to remain at school.

Students will study the manufacturing process by exploring project design and estimation techniques, wood joinery, assembly, surface preparation, and finishing. Students will develop advanced woodworking skills and learn the safety of power hand tools and machines. These techniques will be used to build one preselected project. They will build projects of their own choosing to fill remaining days (usually 1-2 projects).

Note: Students may repeat this class (once – and only once) to concentrate their study on advanced levels. Students will work with the teacher to set individual learning plans for advanced levels.

Introduction to Engineering Design (I.E.D.) 1

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Students will be introduced to engineering design. Project Lead the Way (PTLW) Curriculum will guide students in a hands-on course to explore engineering. Students will be introduced to sketching, 3D computer drafting, and explore scientific reasoning skills.

Introduction to Engineering Design (I.E.D.) 2

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Introduction to Engineering Design (I.E.D.) 1

Course Credit: 5 credits

This semester is a continuation of Project Lead the Way (PTLW) curriculum, which will guide students in a hands-on course to explore engineering. Students will be introduced to sketching, 3D computer drafting, and explore scientific reasoning skills.

English

English 9

Course Length: Two semesters

Grade Level: 9

Prerequisite: Required Course Credit: 10 credits

This is a year-long, introductory English course in which students will develop their reading, writing, speaking, and listening skills in an integrated program of individual, small, and large group work. The focus of the course is reading comprehension and basic writing skills. Students will read and analyze both literary and nonfiction texts with opportunities to craft effective oral and written responses.

Shea, Renee, H. et al. *Foundations of Language and Literature*. Bedford, Freeman, and Worth, 2018.

Fine Arts

Spanish 1-2

Course Length: Two semesters

Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 10 credits

This is the foundation course in learning Spanish as a second language. The student begins to develop the skills of listening, speaking, reading and writing in Spanish. Vocabulary and rules of the language are studied. The cultures of Spanish-speaking countries and individuals are also embedded in the curriculum.

Note: Student must receive a B or higher each semester of Spanish 1, Spanish 2, Spanish 3 and Spanish 4 to continue to Spanish 5/6 and beyond.

9th Grade Band

Course Length: Two semesters

Grade Level: 9

Prerequisite: By audition <u>or</u> director permission

Course Credit: 10 credits

Cost: A \$25 per semester fee will apply to any band student using a school-owned

musical instrument

9th Grade Band will provide students with an opportunity for continued development of musical fundamentals and a wide variety of musical literature and studies. Students will be required to participate in band performances. Band performances will include concerts, solo and ensemble festivals, marching experiences, and pep band.

Waverly Singers

Course Length: One or two semesters

Grade Level: 9, 10, 11, 12 Prerequisite: None

Course Credit: 5 or 10 credits

Waverly Singers is an advanced choral ensemble for ALL VOICES. Waverly Singers studies a variety of musical styles. Students will be expected to rehearse and perform using an advanced level of musicianship and self-discipline and will grow in their musical knowledge of sight-singing, solfege, vocal technique, and choral singing. Required evening concerts will be given throughout the year including fall, Holiday, Spring, and Large Group District Adjudicated events in April, as well as community performances. Students will also have the opportunity to participate in District Solo and Ensemble Adjudicated Events.

Theatre

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Theatre is a performing arts class designed to immerse students in the history, language, physical space, literature, writing, marketing, interpretation, technology, creative design, collaboration, physical movement, and vocal expression that is theatre. In this class, students will be exposed to all facets of the theatre and have the opportunity to delve into areas of their highest interest with the end result being a collaborative production.

Note: Students may take this class a second time if they received a B or higher the first time. Repeat students will have adjusted assignments and more opportunity to demonstrate leadership and hone individual skills.

<u>Introduction to Art</u>

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Cost: \$10 consumable fee

Want to try something new? This introductory class will explore all methods of artmaking including sculpting, fiber arts, drawing, printmaking, painting, and ceramics. An emphasis on building creativity will be encouraged through sketching and using the creative process to solve artistic problems. The primary goal of this course is to develop technical skills in a variety of media through process based, guided projects, for students new to the fine arts.

Note: This course cannot be repeated.

Art Exploration: Painting

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Introduction to Art or 8th Grade Art

Course Credit: 5 credits

Cost: \$20 consumable fee

This class will be dedicated to learning and exploring painting styles and techniques. Each student will explore the various applications of painting, techniques involving, and the use of appropriate art elements that include line, shape, texture, color, and value. Students will also be exposed to a variety of expressive experiences using the principles of design to enhance their own personal awareness. Students will be introduced to watercolor, acrylic and oil paints exploring styles such as expressionism, surrealism, impressionism, realism and abstract art. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated.

Art Exploration: Sculpting

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Introduction to Art or 8th Grade Art

Course Credit: 5 credits

Cost: \$20 consumable fee

Explore the various materials used to create sculptures. Each student will be introduced to the theory, techniques, and construction methods of sculpture. Materials such as wire, plaster, paper mache, wood, foam board, and found objects will all be used to construct 3-D forms of art. Emphasis will be placed on the design process and elements of art. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated.

<u>Art Exploration: Drawing and Printmaking</u>

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Introduction to Art or 8th Grade Art

Course Credit: 5 credits

Cost: \$20 consumable fee

It all starts and ends with drawing, the foundation every artist needs. Each student will expand upon skills in a two-dimensional framework. Advanced drawing and design techniques will be explored as will printing processes such as block printing. Basic elements of art, and the principles of design, will be incorporated into each area. Emphasis will be on creating a more finished and refined product. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated.

Art Exploration: Ceramics/Potteru

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Introduction to Art or 8th Grade Art

Course Credit: 5 credits

Cost: \$20 consumable fee

Learn to create with your hands! This course includes instruction in all hand building techniques including sculpting, pinch, coil, slab, and the pottery wheel. Each student will be introduced to ceramic materials, techniques of pottery construction, surface treatments and glazing, and safe operation of relative tools and equipment. Students will be introduced to clay as an artistic, functional material using elements and principles of design as they relate to pottery. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated

Math

Differentiated Geometry

Course Length: Two semesters

Grade Level: 8, 9, 10

Prerequisite: Algebra 1-2 (with a strong academic performance both semesters with a grade

of A earned both Semesters) MAP score and/or teacher recommendation will be

considered.

Course Credit: 10 credits

This differentiated course of geometry explores *additional* topics and investigates topics in *greater* depth and at a much *faster* speed than in the standard course. The differentiated course also includes a more substantial study of algebra, technology, and formal proof throughout the course.

Geometru

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Algebra 1-2
Course Credit: 10 credits

This introductory Geometry course integrates some formal proof with concept development. Students will study plane figures such as triangles, quadrilaterals, and other polygons through deductive and inductive reasoning. Students will also learn the vocabulary, notations, and properties used to describe one, two, and three-dimensional objects as well as study ratios, proportions, and right triangle trigonometry. Emphasis will be placed on spatial visualization, algebra-geometry relationships, technology, and proofs.

<u>Pre-Algebra</u>

Course Length: Two semesters

Grade Level: 9

Prerequisite: REQUIRES teacher/counselor recommendation; MAP score will be considered

Course Credit: 10 credits

This course builds on a students' understanding of basic math concepts covered in middle school and helps provide a necessary foundation for success in Algebra 1-2.

Algebra 1-2

Course Length: Two semesters

Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 10 credits

This course uses students' understanding of basic math concepts to develop algebraic concepts and skills to provide a necessary foundation for success in future studies in mathematics. A successful foundation is achieved through learning to write, solve, and graph linear and exponential equations, solving systems of linear equations, and modeling real-life linear and exponential functions. Students will learn the notations and symbolic representations that will be further developed in later mathematics courses.

Algebra 3-4

Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: Algebra 1-2 and Geometry/Differentiated Geometry

Course Credit: 10 credits

Algebra 3-4 is essential for most colleges and many vocational programs. This course builds upon student mastery of algebraic expressions and forms by reemphasizing solutions and graphs of linear functions from Algebra 1-2 and expanding to solutions and graphs of quadratics, powers and roots, and functions based upon these concepts. Students study logarithmic, trigonometric, polynomial and other special functions, learning of their abstract properties and of their uses as tools for modeling real-world situations. Students will also deepen their understanding of probability as well as learn how to use graphing calculators and other technologies. Algebra 3-4 also places emphasis on ACT preparation.

Advanced Algebra 3-4

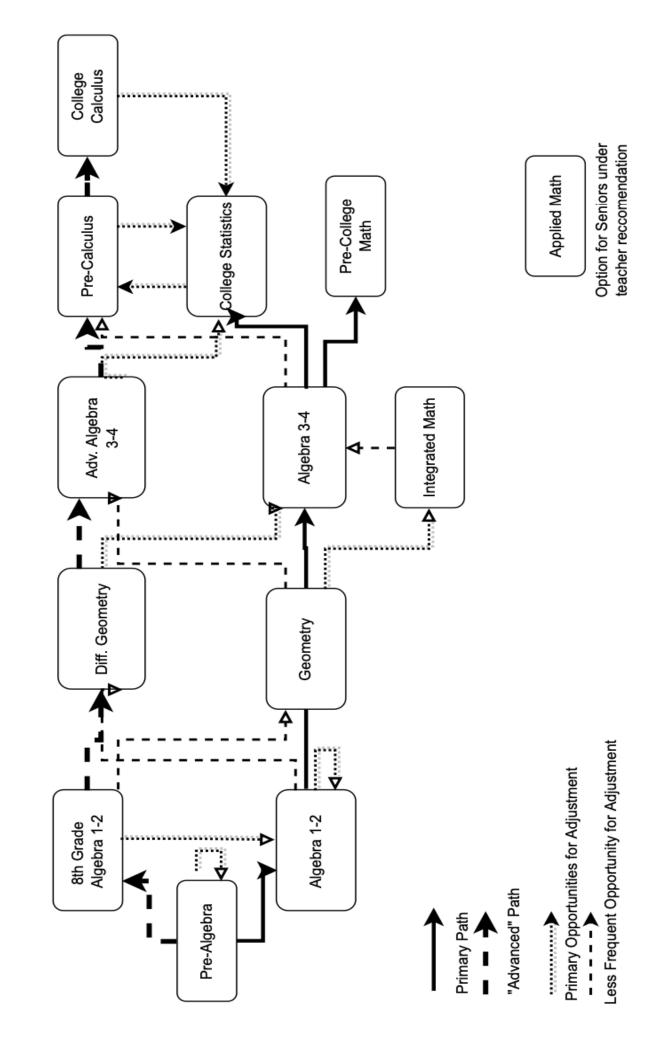
Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: Algebra 1-2 and Geometry/Differentiated Geometry; algebra placement test

Course Credit: 10 credits

Advanced Algebra 3-4 offers an alternative to Algebra 3-4 for students looking to challenge their mathematical abilities and pursue careers and programs of study in math and science. The curriculum consists of traditional Algebra 3-4 concepts plus foundational topics from precalculus. These latter topics could include functions built from high-order polynomials, rational expressions, logarithms, and trigonometry. Across all of these topics, the curriculum will require students to solve complex problems and then apply, analyze, and evaluate the results. Three factors differentiate Advanced Algebra 3-4 from Algebra 3-4: faster pace, increased content volume, and higher expectations for attaining depth of knowledge. To qualify for Advanced Algebra 3-4, a student must have demonstrated a strong Algebra 1-2 performance, a teacher recommendation and qualifying scores on the NWEA MAP Growth assessments and on algebra placement test (to be administered during Geometry or Diff Geometry fall semester exam).

Math Course Placement Flowchart



Physical Education

Health

Course Length: One semester

Grade Level: 9

Prerequisite: Required Course Credit: 5 credits

Fee: \$15 fee if student would like to be CPR certified to cover cost of the certification card

Health covers the following topics: wellness, nutrition, fitness, stress, drugs and alcohol, tobacco, safety and accident prevention, body systems, first-aid, heart disease and cancer, and infectious diseases. CPR training with a written CPR exam and suicide prevention are taught during this course.

Science

Earth/Physical Science

Course Length: Two semesters

Grade Level: 9

Prerequisite: Required Course Credit: 10 credits

Semester 1: Earth and Space Science is the study of the processes that shape the Earth and explain the universe. This course will explore the branches of Earth Science, which includes the following: geology, meteorology, climate, and astronomy. In this science course, students will learn in detail about the Earth's interior and the theory of plate tectonics, how spheres of the Earth interact with each other, the influence that weather and climate have on the Earth, how Earth has changed over geologic time and lastly looking at the formation of stars and other stellar objects in the universe.

Semester 2: Physical Science is the study of the relationship between matter and energy. This class will provide an introduction to basic physics. Students will learn about Newton's Laws of Motion, Forces, Waves, and Electromagnetic Radiation, and Energy Transfer.

<u>Biology</u>

Course Length: Two semesters

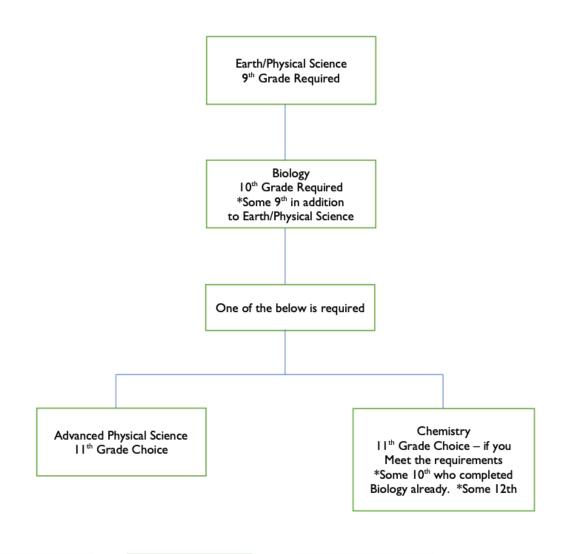
Grade Level: 9, 10 (9th grade must be concurrently enrolled in Diff Geometry or took the course previously)

Prerequisite: Required Course Credit: 10 credits

This course explores the foundation of cellular biology, the relationship between structure and function from molecules to organisms and systems, the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that lead to changes in populations over time.

3 YEARS ARE REQUIRED FOR GRADUATION, TO INCLUDE:

- 1) Earth/Physical Science
- 2) Biology
- 3) Chemistry OR Advanced Physical Science



Anatomy
IIth & I2th Grade
Elective Choice

AP Biology 11th & 12th Grade Elective Choice Advanced Chemistry 11th & 12th Grade Elective Choice – if You meet the requirements

Physics
IIth & 12th Grade
Elective Choice – if
You meet the
requirements

Social Studies

United States History

Course Length: Two semesters

Grade Level: 9, 10, 11, 12
Prerequisite: Required
Course Credit: 10 credits

This course studies United States History from the 1870's through the early 21st Century. The course is centered around seven central frameworks (themes): Civic Ideals & Practices, Power & Authority, Innovation & Change, Economics, Conflict & Consequence, Beliefs & Culture, and Geography.

Special Education

Communications

Course Length: One semester
Grade Level: 9, 10, 11, 12
Course Credit: 5 credits

Discover & deepen your knowledge and skills necessary for gaining appropriate communication skills. This course will help improve social skills and social interactions among teens and will support the growth and goals of each student's IEP. Students will focus on skills related to making and keeping friends, and managing peer conflict and rejection. Students will work through lessons with concrete rules and steps, be responsible for homework assignments, and participate in unique, fun activities to ensure that teens are comfortable incorporating what they've learned. The following are the key focuses uncovered in this course:

- Trading Information, Two-Way Conversations and Electronic Communication
- Choosing Appropriate Friends
- Appropriate Use of Humor
- Starting, Joining and Exiting Conversations
- Good Sportsmanship
- Get-Togethers
- Handling Arguments
- Changing Reputations
- Handling Teasing and Embarrassing Feedback
- Handling Physical and Cyber Bullying
- Minimizing Rumors and Gossip

English Foundations

Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: Must be identified <u>and</u> have permission of counselor and case manager

Course Credit: 10 credits

This course provides a skills-based approach to reading and writing for students with special needs. Students will gain basic reading and writing skills that are prerequisite skills for success throughout their lives. Skill development will be facilitated according to individual needs. Areas of focus will include reading accuracy, fluency, and generalization; sentence structure preparation and design; graphic organization; and strategy use. English Foundations will help students increase their appropriate use of vocabulary and standard English conventions for sentence structure, usage, punctuation, capitalization, and spelling. Students will be able to gain an appreciation and enjoyment of English. It will replace the English 9, English 10 and/or English 11 graduation requirement, based on the student's year in school. Students may take English Foundations all four years if that is the appropriate placement for the student.

Math Foundations

Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: Must be identified **and** have permission of counselor and case manager

Course Credit: 10 credits

Math Foundations is a math course for students who need to improve or polish their basic math skills that are prerequisite skills for success throughout their lives. Skill development will be facilitated according to individual needs. Areas of focus will include the following: improve skills in the basic operations, use knowledge of basic math skills and apply them to "real-life" situations (checks, budgeting, sales tax, discounts), learn how to properly use a calculator, learn to interpret simple graphs and tables, learn to read, use and convert simple measurement tools, and learn basic algebra and geometry concepts.

Reading

Course Length: One or two semesters

Grade Level: 9, 10, 11, 12

Prerequisite: Must be identified **and** have permission of counselor and case manager

Course Credit: 5 credits

This course will provide direct instruction for strategies in reading comprehension, reading decoding, reading fluency, writing, and expressive/receptive language. Students will be provided instruction in multiple ways. The course will be tailored to meet individual needs. Reading and writing concepts and materials from general education classes may be incorporated as a means of connecting concepts between disciplines. Students will develop personal goals and self-monitor their progress to access what they are learning.

Studu Skills

Course Length: Two semesters Grade Level: 9, 10, 11, 12

Prerequisite: Must be identified **and** have permission of counselor and case manager

Course Credit: 10 credits

Study Skills classes are available to those students who are identified for resource assistance. Students will be required and expected to bring and work on assignments from general education classes as well as complete weekly vocational, learning, self- advocacy and strategy activities. Assistance will be provided by resource teacher(s) and paraeducator(s) in order to strengthen academics and other skill areas.

Advanced Communications

Course Length: One semester Grade Level: 9, 10, 11, 12

Prerequisite: Communications

Course Credit: 5 credits

Discover and deepen your knowledge and skills necessary for gaining, maintaining, and interpreting communications. This course will improve social skills and social interactions among teens, between teens and adults, and between teens and employers to support the growth and goals of each student's IEP. Students will focus on skills related to managing peer conflict and rejection, self-advocacy, and interpreting figurative language in conversation and communications. Students will work through lessons with concrete rules and steps, be responsible for homework assignments, and participate in unique, fun activities to ensure that teens are comfortable incorporating what they've learned. The following are key focus areas covered in this course:

- Trading information and starting conversations
- Trading information and maintaining conversations
- Finding a source of friends
- Electronic communication
- Appropriate use of humor
- Entering group conversations
- Exiting conversations
- Get-togethers
- Dating Etiquette--Do's and Don'ts
- Handling Disagreements
- Handling direct and indirect bullying
- Work-related communication and conversation
- Code-Switching

Text: PEERS for Young Adults--Social Skills Training for Adults with Autism Spectrum Disorder and other Social Challenges. Laugeson, Elizabeth A. 2017.

Waverly High School Graduation Requirements

40 Credits English Must Include English 9, 10, & 11 **Social Studies 30 Credits** Must include United States History, World History, & Constitution 10 Credits Fine Arts **30 Credits Mathematics 30 Credits** Science Must include Earth/Physical Science & Biology Must include Advanced Physical Science OR Chemistry **Physical Education** 15 Credits Must include Health Financial Literacu 5 Credits Personal Finance 5 Credits Computer Science and Technology (Graduating Class of *** Required course (to be determined) 2027 & beyond)

Electives

80 Credits

(Graduating Class of 2024-2026)

75 Credits

(Graduating Class of 2027 & beyond)

Total Credits Needed 240 Credits

Note: 1 semester class = 5 credits

Four-Year College Recommendations:

- 40 credits of math
- 40 credits of English
- 30 credits of social science (social studies)
- At least 30 credits of science
- At least 20 credits (two years) of Spanish

Grading Scale for the 2023-24 school year

Grade Scale: 2018-19 to 2020-21		Grade Scale: 2021-22 & Beyond			Grade Scale: AP & Dual Credit			
A -	94 - 100	= 4 mark points	A -	93 - 100	= 4 mark points	A -	90 - 100	= 4 mark points
В-	86 - 93	=3 mark points	В-	85 - 92	=3 mark points	В-	80 - 89	=3 mark points
C -	78 - 85	= 2 mark points	C -	77 - 84	= 2 mark points	C -	70 - 79	= 2 mark points
D -	70 - 77	= 1 mark point	D -	69 - 76	= 1 mark point	D -	60 - 69	= 1 mark point
F-	0 - 69	= 0 mark points	F-	0 - 68	= 0 mark points	F-	0 - 59	= 0 mark points
P -	Pass		P -	Pass				

Previous grades will not retroactively adjust but will utilize this grading scale moving forward.

Notice of Non-Discrimination

School District 145 does not discriminate on the basis of sex, disability, race, color, religion, veteran status, national or ethnic origin, marital status, pregnancy, childbirth or related medical condition, or other protected status, or other protected status in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The Director of Special Education/Student Services Coordinator has been designated to handle inquiries regarding the non-discrimination policies, including Federal Title IX and Section 504 compliance procedures, for students, employees and others:

Delanie McMillan, 14511 Heywood Street, P.O. Box 426, Waverly, NE 68462 (402) 786-2321.

For further information about anti-discrimination laws and regulations, or to file a complaint of discrimination with the Office for Civil Rights in the U.S. Department of Education (OCR), please contact the OCR at 601 East 12th Street, Room 353, Kansas City, MO 64106, (800) 368-1019 (voice), Fax (816) 426-3686, (800) 537-7697 (telecommunications device for the deaf), or ocrkansascity@ed.gov. The Complaint Form can be found on the district website at www.district145.org. Click on the Central Office Tab, Click on Notice of Non-Discrimination.