

Course Description Book 2019-2020



Washington High School



Students and Parents,

This course description booklet has been created to assist you in planning your academic future. Descriptions of course offerings have been written by instructors to help students select courses according to their program of study.

Washington High School encourages students to challenge themselves when they select courses to better prepare them for their future.

When scheduling your classes, it is crucial that you plan carefully and make appropriate choices. It will be difficult for you to change or drop classes once school begins.

These registration materials have been created to assist you in course selections for the upcoming school year. We hope you will find this course description book to be informative and useful. If you have any questions about the course registration process, please stop in and visit with our counselor.

You may also access the registration handbook at the district website, www.ccsd.k12.ia.us. Click on Washington High School and then scroll down to WHS Course Description Handbook.

Mr. Wade Riley
Principal
712-225-6755

Ms. Jolleen Heater
Counselor
712-225-6755

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General Information

Equal Education Opportunity Policy

The Cherokee Community School District does not discriminate on the basis of age, race, national origin, creed, socio-economic status, religion, sex, disability, sexual orientation, gender identity or marital status in educational programs or employment.

If you have questions or concerns about any policy or procedure of the district please contact
Kim Lingenfelter, Equity Coordinator,
600 West Bluff Street
Cherokee, Iowa 51012.
(712) 225-6767
klingenfelter@ccsd.k12.ia.us

Purpose of this Handbook

The purpose of this book is to acquaint students and parents with the grading policies, scheduling policies, and subject offerings at Cherokee Washington High School. It is important for students and parents to read it carefully, consider the student's ability, past achievements, career interests, and then plan a course of study.

Your counselor can play an important role in helping plan a course of study. Your counselor will be working with you individually at registration and is available for questions by phoning 712-225-6755. Please make use of this resource as you plan your course of study. It is the responsibility of the student and their parents to verify with colleges on their admission requirements.

Requirements for Graduation

Forty-eight (48) credits are needed to graduate from Cherokee Washington High School. Starting in 2021, Forty-nine (49) credits are needed to graduate. Graduation from Cherokee Washington High School requires eight semesters of attendance unless early graduation is applied for and granted according to the Cherokee Community School Board's policy for early graduation.

Washington High School Graduation Credit Requirements

48 Credits Required, 49 Credits required starting in 2021

Each course is 1 credit per semester (= Year long course for a total of 2 credits)*

English Language Arts	Science	Social Studies	Mathematics
Required 6 Credits	Required 6 Credits	Required 6 Credits	Required 6 Credits
English 9* English 10* English 11*	Science 9* Biology* Chemistry* or Natural Resources & Ecology*	Modern American History* World History* Economics American Government	Pre-Algebra* Algebra A* Algebra B* Algebra I* Geometry* Consumer Math* Algebra II* Pre-Calculus* (Math sequence will vary according to entry level math course taken)
Electives 2 Credits Required 1 Literature 1 English elective	Electives	Electives	Electives
Films as Literature Contemporary Literature World Literature British Literature Novels Creative Writing Writing III Technical Writing Publications* Oral Interp/Acting Mythology	AP Biology* Advanced Chemistry Physics* Human Anatomy & Physiology I (BIO 169) Human Anatomy & Physiology II (BIO 174)	Psychology Sociology Global Insights Anthropology Current Issues Ethnic Studies	Applied Math (MAT 772) Coding Calculus Calculus (MAT 211) Statistics (MAT 157)
Required: Health 1 credit (must include CPR training) & Physical Education 2021 Graduates must have 1 credit from the Career Tech/Fine Arts Departments			

Early Graduation

A student who plans to graduate early from Cherokee Washington High School must have completed a preliminary application procedure on or before November 1 of the year s/he plans to graduate. The preliminary application is available in the Guidance Department. To be considered for early graduation, a student must have successfully completed the required credits minus the P.E. credits for the semester they will miss due to the early graduation. In addition, the student's parents/guardians, the counselor and the principal must endorse the petition for early graduation before the request is recognized and approved. We urge parents and students to analyze and discuss the advantages and disadvantages of early graduation and arrive at a mutually acceptable plan before making a final decision. School personnel will gladly serve as a resource for responding to questions, providing information, and assisting in discussing your concerns. The parents and the student must assume the ultimate responsibility for this educational decision.

Graduation Ceremony

Only those students successfully completing all of the requirements for graduation, as stated above, will be allowed to participate in the Washington High School commencement exercises.

Transcripts

Official transcripts with the school seal will be mailed/uploaded by the high school to schools or agencies upon request of the student or parent. Students requesting transcripts for themselves will receive a copy without the official seal.

Course Availability

In order for a class to be taught, the course must have a sufficient number of registrants. If there is insufficient interests in a particular course, the course will not be offered during the upcoming school year.

Alternative Credit Options

Students are allowed to take up to five credits toward Washington High School graduation requirements through an alternative credit program i.e., Western Iowa Tech. Students must fail a required credit once before being allowed to earn a required credit through an alternative option. Grades received through an alternative credit option will not be figured into a student's cumulative grade point average. It is the student's responsibility to provide the office with an official transcript of alternative program credits to be applied toward Washington High School graduation requirements. Application for alternative credit options must be made through the Guidance Department.

GREAT START (GS) Courses

Juniors, Seniors and identified TAG Freshmen and Sophomores can participate in the Great Start (GS), which allows them to take college level courses per semester from an approved post-secondary level institution. All seniors must be registered for the equivalency of **7 credits** (3 college credits =1 WHS credit) **If a GS class is failed/dropped after the official college drop date, the student will get a Withdraw Fail (WF) on college and high school transcript.**

Concurrent enrollment courses will need to follow WITCC grading guidelines as these are college classes.

Note: By regulation of the Iowa Department of Education, students are limited to 23 postsecondary credit hours in one academic year.

Required Course Load For WHS Students

Seniors will be required to take **7 credits** first semester and **6 credits** second semester. All other students must be enrolled in a minimum of 7 credits per semester at Washington High School. Any class the school pays for will be included in the student's GPA. More detailed information may be obtained from your counselor.

Schedule Changes

Students will have five days to add/drop a class during 1st and 3rd quarters and if a student is taking a full schedule (8 out of 8 classes) they are allowed to drop a class up to the 10th week of school, if they are passing the class they are dropping they will receive a withdrawal; if a student is failing the class they want to drop they will take a WF (Withdraw Fail). In rare circumstances, a schedule change may occur at the discretion of guidance counselor and principal when deemed appropriate through the 10th week of school (Students will receive a withdrawal if they have a passing grade at the change of schedule or an WF (Withdraw Fail) if they have a failing grade). Students who take a withdraw fail, are academically ineligible and will be under the Scholarship Rule of ineligibility for 30 consecutive days.

Changes may be made ONLY for the following reasons:

1. Failure in a required course attempted a previous semester
2. Approved level changes by teacher and counselor
3. Special education placement
4. Significant change in college or career planning
5. Seniors who need courses for graduation
6. Required course not on schedule
7. Failure to have necessary prerequisite for a course
8. Student already has credit in the scheduled class
9. Newly registered student - no previous schedule
10. Adding a class which does not disturb the rest of the schedule

Schedule changes will not be made for student convenience. Schedule change forms must be completed before the drop is official. They are available from the Counseling Department.

Adding/Dropping a Class

Schedule Change Request

_____ Date: _____
Last Name First Name MI

Please put a checkmark in the reason stated below for a schedule change:

_____ 1. Failure in a required course attempted a previous semester

_____ 2. Approved level changes by teacher and counselor

_____ 3. Special education placement

_____ 4. Significant change in college or career planning

_____ 5. Seniors who need courses for graduation

_____ 6. Required course not on schedule

_____ 7. Failure to have necessary prerequisite for a course

_____ 8. Student already has credit in the scheduled class

_____ 9. Newly registered student-no previous schedule

_____ 10. Adding a class which does not disturb the rest of the schedule

Schedule changes will not be made for student convenience. Schedule change request forms must be completed before the drop is official. They are available in the online on the WHS Guidance page.

Class Name	Add	Drop	Teacher Signature

FOLLOW THE ORDER FOR SIGNATURES

1. Teacher Signature: _____
2. Student Signature: _____
3. Parent Signature: _____
4. Principal Signature: _____

_____ Request Approved

_____ Request Denied

Grade Point Average and Purpose of Grades

Grade point average is figured by dividing the sum of the grade points earned by the total credits attempted. Grade points for grades given are as follows:

A	4.00
A-	3.67
B+	3.33
B	3.0
B-	2.67
C+	2.33
C	2.0
C-	1.67
D+	1.33
D	1.0
D-	.67

Grade point average is figured using **semester** grades and is updated at the end of each semester. All grades earned, except those from an alternative credit program, are used in determining grade point average. Class rank is updated each semester and is based on cumulative grade point average.

Purpose of Grades: to communicate students' learning progress to students, parents, teachers, and administrators.

Academic Letters

Washington High School awards letters for academic achievement to those students who earn a 3.2 grade point average for two consecutive semesters. Academic letters and chevrons are awarded the first day of school for last year's second semester grades.

Incomplete Grades

The maximum time allowed to make up an incomplete will be one week. For the 4th quarter the deadline is the last teacher workday of the school year. The exceptions to the above deadlines are that seniors must have all work completed by the last school day for seniors and in the event of a prolonged excused absence from school just prior to and/or during the end of the quarter. In extraordinary cases, the administration may waive these deadlines and set a deadline that would be reasonable for circumstance.

Washington High School Cherokee College Visit Request

Student Absence Request For A College Visit

Student's Name: _____

Date of Absence: _____

Reason for Absence: _____

School Official Signature: _____

Period	Course	Teacher Signature	Assignment
EB			
1			
2			
3			
4			
5			
6			
7			
8			

**This form must be COMPLETED AND RETURNED TO THE GUIDANCE OFFICE
BEFORE YOU LEAVE FOR YOUR COLLEGE VISIT.**

**PLEASE HAVE YOUR GUIDANCE COUNSELOR FILL OUT THE COLLEGE VISIT
CHECKLIST ON THE NEXT PAGE**

**COLLEGE VISIT CHECKLIST
(TO BE FILLED OUT BY YOUR GUIDANCE COUNSELOR)**

BEFORE College Visit:

_____ Parent Permission

(Please circle one) Phone call Note Text Email

_____ Picked up and returned completed Blue Sheet to
Guidance Office

AFTER College Visit:

(This needs to be completed within 2 days of the college visit)

_____ Verification of College Visit

Examples of College Visit Verification:

College folder, Professor's business card, Email from the Admissions office. The Guidance Office, at their discretion, may accept other forms of verification.

**FAILURE TO COMPLETE THE CHECKLIST WILL RESULT IN AN
UNEXCUSED ABSENCE AND LOSS OF OPEN CAMPUS POINTS.**

College Admissions Requirements

Iowa's State Universities * South Dakota's State Universities * University of Nebraska

	University of Iowa	Iowa State University	University of Northern Iowa	South Dakota Universities	University of Nebraska
English	4 years	4 years	4 years	4 years	4 years
Mathematics	3 years (e)	3 years (e)	3 years (f)	3 years	4 years (g)
Laboratory Science	3 years	3 years	3 years	3 years	3 years
Social Studies	3 years	2 years (b)	3 years	3 years	3 years
Foreign Language	2 years (a)	2 years (c)	(h)		2 years
Fine Arts				1 year (i)	
Electives			2 years (d)		

- (a) Must complete 4 years to graduate from the university; students who have taken the requisite years in high school have fulfilled these requirements.
- (b) 3 years for College of Liberal Arts & Sciences
- (c) Requirement for College of Liberal Arts and Sciences, and the College of Engineering (3 years of HS Foreign Language will fulfill the college Foreign Language requirement)
- (d) Could be Foreign Language or other core course selections
- (e) 4 years of math for the College of Engineering
- (f) Including Algebra 1, Algebra 2 and Geometry
- (g) Must be Algebra 1, Algebra 2, Geometry and an additional course that builds on concepts learned in Algebra 2
- (h) No foreign language required for admission, but two years of a foreign language is required to graduate from UNI (can be taken in high school or college)
- (i) Recommended but not required

TO BE SURE OF WHAT ALL THE REQUIREMENTS ARE FOR ADMISSION TO A COLLEGE PLEASE CONTACT THE COLLEGE'S ADMISSION OFFICE TO VERIFY INFORMATION.

Student Athlete Information

RAI Score for admission to any of the three Iowa Regent universities:

Iowa resident students who achieve at least a 245 RAI score and who meet the minimum high school course requirements are automatically offered admission to any of the three Regent universities.

Primary RAI Formula

- Percentile rank X 1
- + ACT composite score X 2
- + Cumulative GPA X 20
- + Number of years of high school core courses X 5

RAI Score

RAI APPROVED CORE COURSES				
<i>Regents Admissions Index</i>				
<u>ENGLISH</u>	<u>MATH</u>	<u>SCIENCE</u>	<u>SOCIAL STUDIES</u>	<u>WORLD LANGUAGES</u>
British Literature	Algebra I	Science 9	American Government	Spanish 1
Contemporary Literature (Ind Study)	Algebra 1B	Biology	Anthropology	Spanish 2
Creative Writing	Algebra 2	Chemistry	Current Issues	Spanish 3
Writing III	Geometry	Human Anatomy & Physiology I and II	Economics	Spanish 4
World Literature	Pre-Calculus	Physics	Global Insights I	
Oral Interpretation/ Acting	Calculus	AP Biology	Late 20th C American History	
Novels	Calculus 1 (MAT 211)	Advanced Chemistry	Modern American History	
Mythology	Statistics (MAT 157)		Psychology	
English 9, 10 and 11			Sociology	
			World History	

NCAA/NAIA Information

Athletic ability is a specialty that can make a difference in the college admissions and financial aid process. At most colleges, athletics are regulated by the rules established by the NCAA (National College Athletic Association) or NAIA (National Association of Intercollegiate Athletics). The recruitment and enrollment of college athletes are governed by the NCAA's and NAIA's rules.

To be eligible to participate at the NCAA Division I or II level and NAIA, where full athletic scholarships are awarded students must be certified as eligible by the www.eligibilitycenter.org or <http://www.playnaia.org>.

Suggestions for student athletes:

- Inform your high school coach and counselor that you are interested in playing that sport in college.
- Register with the NCAA or NAIA Eligibility Center by the end of your junior year.
- Become familiar with the NCAA/NAIA rules regarding the recruitment of athletes.
- Make an appointment with your counselor to assure that you are taking courses approved from an approved core curriculum.

NCAA Eligibility Center Approved Courses				
English Language Arts	Social Sciences	Mathematics	Natural/Physical Sciences	Additional Core Classes
American Literature	American Government	Algebra I	Anatomy and Physiology I	Spanish I
British Literature	Current Issues	Algebra II	Anatomy and Physiology II	Spanish II
Creative Writing	Economics	Algebra A (.5 units max)	Biology	Spanish III
English 9, 10, and 11	Global Insights	Algebra B (.5 units max)	AP Biology	Spanish IV
Films as Literature	Intro to Psychology	AP Calculus	Chemistry	
Mythology	Modern American History	Geometry	Advanced Chemistry	
Novels	Sociology	Math IV	Physics	
World Literature	World History II	Pre-Calculus	Science 9	
Writing III				

[NCAA Eligibility Center Brochure](#)

16 Career Clusters

Career Clusters represents a distinct grouping of occupations and industries based on the knowledge and skills they require. The 16 Career Clusters and related Career Pathways provide an important organizing tool for schools to develop more effective programs of study (POS) and curriculum.

Please follow the link for information:

<https://www.careertech.org/sites/default/files/CareerClustersPathways.pdf>

Career Pathways

Construction, Nursing, Welding

WITCC CONSTRUCTION PATHWAY		Drywall (Cert.)	Carpentry (Cert.)	Construction (Diploma)	WHS Courses	Credits
CON 209	Introduction to Drywall				X	1
CON 136	Introduction to Construction Shop				X	1
CON 365	Advanced Drywall		*		X	1.5
SDV 108	The College Experience				X	1
CON 204	Basic Framing Techniques				X	4
CON 366	Exterior Finishing				X	4
CON 367	Interior Doors, Cabinets and Millwork				X	2.5
MAT 772	Applied Math				X	3
Successful completion of all courses earns a Diploma in Construction						
Total Credits						36
Start by taking courses to earn your Drywall & Carpentry certificates. Next, roll those courses into a Construction diploma. The courses to complete the diploma will earn you three more certificates; Concrete Specialties, Interior Finishing & Wall Framing and Roofing.						
*Course not required for Carpentry Certificate						
Western Iowa Tech Community College... "The Best Place to Start!"						

WITCC NURSING PATHWAY		CNA (Cert.)	PRACTICAL NURSING (LPN) (Diploma)	NURSING (ADN) (AAS)	WHS Courses	Credits
HSC 173	Nurse Aide Theory	*	**	**	X	3
HSC 174	Nurse Aide Clinical	*	**	**	X	1
SDV 108	The College Experience					1
BIO 169	Human Anatomy and Phy. IA w/lab				X	4
PSY 111	Introduction to Psychology					3
BIO 151	Nutrition					3
PNN 624	Nursing I					9
BIO 174	Human Anatomy and Phy. IIA w/lab				X	4
PSY 121	Developmental Psychology					3
PNN 625	Nursing II					9
PSY 241	Abnormal Psychology					3
BIO 186	Microbiology					4
ADN 621	Nursing III					9
ADN 235	Principles of Pharmacology for Nursing					3
ADN 622	Nursing IV					9
SOC 110	Introduction to Sociology					3
MAT 772	Applied Math				X	3
ENG 105	Composition I					3
Successful completion of all courses earns a AAS Degree						
Total Credits						73
<p>* Concurrent successful completion of, HSC-173 and HSC-174, meets the requirements for the 75-hour CNA Certification. Students are eligible to take the nurse aide competency exams upon completion. Passing the state test will place you on the State Nurse Aide registry.</p>						
<p>**75-hour CNA Certification and other admission requirements must be met before acceptance into the nursing program.</p>						
Western Iowa Tech Community College... "The Best Place to Start!"						

WITCC WELDING PATHWAY		Production Welding	Industrial Welding	Welding Technology	WHS Courses	Credits
Semester 1						
SDV 108	The College Experience				X	1
ELE 101	Industrial Safety				X	1
WEL 423	Intro to GMAW				X	2
WEL 422	GMAW for Production				X	4
WEL 120	Oxy Fuel Welding and Cutting				X	2
WEL 425	Measuring, Layout, and Applied Weld Symbols				X	1
WEL 147	ARC Welding Introduction (SMAW)				X	3
MAT 772	Applied Math				X	3
Successful completion of semester 1 (Fall & Spring) earns the Production Welding Certificate						
Semester 2						
WEL 148	ARC Welding Intermediate (SMAW)					3
WEL 424	Intro to Pulse Arc GMAW Welding					3
WEL 420	Intermediate Pulse Arc GMAW Welding					4
WEL 110	110 Welding Blueprint Reading					2
COM 723	COM 723 Workplace Communications					3
Successful completion of semesters 1 & 2 earns Industrial Welding Diploma						
Semester 3						
WEL 208	Introduction to Fabrication					2
WEL 164	Arc Welding II (SMAW)					4
WEL 112	Welding Blueprint Reading/ Advanced					2
WEL 191	Gas Tungsten Arc Welding					4
PSY 102	Human & Work Relations					3
Semester 4						
SPC 122	Interpersonal Communication					3
WEL 700	Robotic Welding					4
WEL 292	Pipe Welding/SMAW - Uphill					4
WEL 294	Pipe Welding GTAW/SMAW					4
BCA 206	Applied Computer Concepts				X	3
Successful completion of semesters 1 through 4 earns Welding Technology AAS						
Total Credits						68

*Start by taking courses to earn your certificate (**Students that successfully complete ELE 101 will obtain an OSHA 10 hours certification**). Next, roll those courses into a diploma. The courses to complete the diploma can then be applied towards earning your Associate of Applied Science (AAS).

Western Iowa Tech Community College... "The Best Place to Start!"

CAREER TECHNICAL EDUCATION

AGRICULTURE

301 INTRODUCTION TO AG, FOOD, AND NATURAL RESOURCES

Credit: 1

Offered 1 Semester

Available to Grades 9-10

Prerequisite: None

Students experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. This course is structured to enable all students to have a variety of experiences that will provide an overview of the fields of agriculture science and natural resources so that students may continue through a sequence of courses through high school. In addition, students will understand specific connections between lessons and supervised agricultural experiences and FFA components that are important for the development of an informed agricultural education student.

308 PRINCIPLES OF AG SCIENCE – ANIMAL

Credit: 2

Offered Yearly (Fall of Odd Years)

Available to Grades 10-12

Prerequisite: Introduction to Agriculture, Food, & Natural Resources

Students experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Throughout this course students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore hands-on projects, activates to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock products, and industry, personnel, face in their respective careers.

321 PRINCIPLES OF AG SCIENCE – PLANT **Not offered 2019-2020 School Year**

Credit: 2

Offered Yearly (Fall of Even Years)

Available to Grades 10-12

Prerequisite: Introduction to Agriculture, Food, & Natural Resources

Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective career.

BUSINESS EDUCATION

420 ACCOUNTING I

Credit: 2

Offered Yearly

Available to Grades 10-12

Prerequisite: None

The main purpose of the course is to give the student a background in accounting methods used in a sole proprietorship business and a corporation, as well as a background to be used in further college or career & technical education courses. Calculating taxes and completing bank reconciliation are also a part of this course. A workbook is used for the problems that are assigned to simulate real world experience. Practice sets for a proprietorship and a corporation are used to further enhance the learning process. Students will also be exposed to automated accounting using computer software.

425 ACCOUNTING II

Credit: 2

Offered Yearly

Available to Grades 11-12

Prerequisite: 2 credits in Accounting I

This course is designed to provide additional knowledge of accounting procedures not covered in the accounting first year course. Areas of study include: a review of basic accounting procedures for a partnership and a corporation, accrued income and expenses, and unearned revenue and prepaid expenses. Students will use a ruled workbook and business simulations to enhance the learning experience. Accounting II students will also be exposed to an automated accounting program on the computer. (This class is a must for those entering Accounting Programs at the college level.)

488 BCA 221- INTEGRATED COMPUTER BUSINESS APPLICATIONS

Credit: 1

Offered Spring Semester

Available to Grades 11-12

DUAL CREDIT COLLEGE COURSE

Prerequisite: CSC -110 Intro to Computers

This course allows students to utilize their Microsoft Office knowledge and skills. Students receive instruction on specific Office application integration with emphasis both on individual and workgroup-oriented projects.

405 BUSINESS LAW

Credit: 1

Offered per Semester

Available to Grades 10-12

Prerequisite: None

In the business curriculum, business law is perhaps the one content-type course that is of value to all students whether or not they specialize in business. Business law is fundamental for social control and knowledge of it is essential to intelligent action in everyday living. It deals in many areas. Some of the units are as follows: laws, contract, insurance, motor vehicles, juvenile law and property law.

431 COMPUTER APPLICATIONS (aka Keyboarding Applications)

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This course is designed to provide helpful knowledge of software applications. It is geared to help the student acquire skills, which the student can put to good use throughout his/her life no matter what career the student chooses. These skills will include shortcut commands, creating proper business spreadsheets, tables, presentations, word processing, and business letters and publishing skills.

486 CSC 110- Introduction to Computers

Credit: 1

Offered Fall Semester

Available to Grades 11-12

DUAL CREDIT COLLEGE COURSE

Prerequisite: None

This course provides a fundamental understanding of computers and familiarizes students with the interaction of computer hardware and software. Emphasis is on the application of microcomputers and hands-on use of software applications, including operating systems, word processing, spreadsheets, databases, presentation software, and files management. Students should plan on some lab time outside of class for homework. Keyboarding/ typing skills highly recommended.

410 ENTREPRENEURISM

Credit: 1

Offered per Semester

Available to Grades 10-12 Grades

Prerequisite: Introduction to Business

This semester course is designed to show students the necessary skills to effectively organize, develop, create, and manage their own business. Students will assess their current skills against the skills necessary to become a successful entrepreneur. Students will also examine and evaluate the essential skills to determine why they are important entrepreneurial skills. Business ideas will be evaluated and a business plan will be prepared. Students will research business trends, market share, and real estate pricing, and marketing. Additional topics will focus on local opportunities and available assistance, legal issues and record keeping. Students will create and run a business during this class.

400 INTRODUCTION TO BUSINESS

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This semester course should give a solid basis for those students considering further studies in business in high school and college as well as offering useful and practical aspects of living to any students. It gives background information on the free enterprise system in the three possible roles a student plays: as a worker, as a consumer and as a citizen in the economy.

440/445 WORK-BASED LEARNING

Credit: 1 or 2

Offered Semester/Yearly

Available to Grade 12

Prerequisite: Approved application, & taken classes related to the job placement

Work-based learning opportunities are available in various businesses in the Cherokee community. Work-based learning links the school's academic and occupational course of study with supervised on the job training. The experiences are relevant to the student's identified career goal. Work-based learning students are released from school one or two class periods per day for their paid or non-paid job. All jobs must be assigned and approved by the work-based learning coordinator. Students must fill out an application and go through an interview with the worked-based learning coordinator, a guidance counselor, and/or the principal. Placement will depend upon application, interview, student grades and job availability.

Applications for Work-Based Learning can be picked up in the Counselor's Office.

**Washington High School
Work-Based Learning
Student Application**

Name: _____ Date: _____

Address: _____
Street
City
Zip Code

Phone: _____ Age: _____ Birth Date: _____

CAREER INTEREST AREA:

- | | | |
|--------------------|------------------------|-------------------|
| 1. Social Services | 5. Business | 9. Human Services |
| 2. Automotive | 6. Health | 10. Food Service |
| 3. Computers | 7. Construction Trades | 11. Other |
| 4. Machinist | 8. Arts/Communications | |

1st Choice # _____ 2nd Choice # _____

Please list courses that relate to your job choice above:

1st Choice Class	2nd Choice Class

List any work or volunteer experience:

	Job Title	Business/Employer	Start/End Dates	Responsibility
1.				
2.				
3.				

Washington High School Work-Based Learning Student Information Sheet

Student:

Career Interest:

School Activities:

Do you have a preference for the location of your work-based learning placement?

_____ **Yes**

_____ **No**

If yes, explain

Do you know any businesses, which may be interested in your career interest area?

If so, please list them below:

Business:	Business:
Address:	Address:
Phone:	Phone:
Contact Person:	Contact Person:

Business:	Business:
Address:	Address:
Phone:	Phone:
Contact Person:	Contact Person:

Family Consumer Sciences

462 FAMILY AND INTERPERSONAL RELATIONSHIPS

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: Intro to FCS

This course was designed to help students understand the importance of creating healthy relationships. Students will explore the functions of various relationships, how personal character affects relationships, communication in relationships, & conflict prevention & management.

461 HOME ENVIRONMENTS & DESIGN

Credit: 1

Offered 1 Semester

Available to 9-12 Grades

Prerequisite: Intro to FCS

This course is designed to help students explore the many different aspects of housing and interior design. Topics will include the elements and principles of design; traffic patterns and flow; affordability in housing; and the creation of floor plans. This class will be primarily project based and students will have the opportunity to design their own housing utilizing technology.

457 HUMAN GROWTH AND DEVELOPMENT

Credit: 1

Offered 1 Semester (Fall)

Available to Grades 10-12

Prerequisite: Intro to FCS

This course will focus on the development and growth of the human from conception and infancy to the elderly stage and death. A special focus will be placed on ages 0-18 and students may have the opportunity to use the RealCare Baby® Simulation.

441 CULINARY I

Credit: 1

Offered each semester

Available to Grades 9-12

Prerequisite: Intro to FCS

This course will help students build an understanding of the fundamentals of foods and nutrition. Students will learn about the various food groups and types of food. A major emphasis will be placed on nutrition and food safety. Students will have multiple opportunities to apply knowledge in the kitchen lab.

442 CULINARY II

Credit: 1

Offered 1 semester

Available to Grades 10-12

Prerequisite: Culinary I and Intro to FCS

This course is a continuation of Culinary 1. Students will explore topics such as meal planning, dietary restrictions, and continue to develop culinary skills in the kitchen lab.

458 INTRODUCTION TO FCS

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This course focuses on helping students explore the many different topics found within the family and consumer sciences. Topics include (but are not limited to) foods and nutrition; textiles and apparel; child development and parenting; housing and interior design; personal finance; interpersonal relationships; and careers in the family and consumer sciences.

459 PERSONAL AND CAREER READINESS

Credit: 1

Offered 1 Semester

Available to Grades 11-12

Prerequisite: None

This course is designed to introduce and help students develop the skills and strategies that are helpful in becoming more productive individuals. Topics include goal setting; personal management; the job search; and workplace preparation. Opportunities will also be provided to explore different career and lifestyle choices.

463 FASHION DESIGN

Credit: 1

Offered 1 Semester (Spring)

Available to Grades 9-12

Prerequisite: Intro to FCS

This course is designed to help students foster creativity as they explore the many different aspects of the textiles and apparel industry. Topics will include the elements and principles of design; common textiles and care; the manufacturing process; the retail industry; and various styles of clothing. A special focus will be directed at the debate surrounding fast fashion.

Industrial Arts

487 INTRODUCTION TO CONSTRUCTION

Credit: 2

Offered Yearlong

Available to Grades 9-12

Prerequisite: None-Limit 9

This course is designed to acquaint students with the safe handling of construction materials, with machines and hand tools. The students will cover topics including safely use of tools, measurement and layout building footprint, wall construction, roof construction, concrete activity. Lab work will depend on availability of construction projects.

490 DRAFTING

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None- Limit 5

This introductory course is designed to acquaint students with the printed language of industry. The students will cover topics including ANSI lettering, tools, constructions, shape description and size description. Additional units will cover sketching, pictorials (oblique-isometric-perspective), sectioning, stretch-outs, and auxiliary views. Students will use Chief Architect, CAD, SolidWorks, Blender, and 3D Printing.

482 METALS I

Credit: 1

Offered at least 1 Semester

Available to Grades 9-12

Prerequisite: None- Limit 12

This introductory course is designed to acquaint students with the safe handling of metals, with machines and hand tools. The students will cover topics including safety, measurement and layout, bench metal, forging, foundry, wrought iron, and cost estimation. The students will demonstrate safe shop practices while producing 1 project in each of the 5 areas.

484 METALS II

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: Metals I (B+ or higher)- Limit 6

This advanced course is designed to acquaint students with precision measuring, engine lathe vertical milling, and CNC milling. The students will demonstrate safe shop practices and will produce 1 project in each area. Drawings, plan of procedure, and bill of materials will be made for each.

483 WELDING FUNDAMENTALS

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: Metals I (B+ or higher)- Limit 6

This course is designed for the student who needs basic welding skills. The two welding processes are: Oxy-Acetylene Welding, Shielded Metal Arc Welding (SMAW or stick). Topics include: safety, setup of equipment, electrode selection, metal transfer, shielding gases, welding distortion control, and the welding of ferrous metals. Lab experience will provide for skill development in these areas.

480 WOODS I

Credit: 2

Offered Yearlong

Available to Grades 9-12

Prerequisite: None- Limit 10

This introductory course is designed to acquaint students with the safe handling of wood, with machines and hand tools. The students will cover topics including safety, measurement and layout, cutting wood, cutting wood joints, adhesives, wood properties, finishing techniques, project step planning, man-made wood products. There are two required projects and a personal project chosen by the student.

481 WOODS II

Credit: 1

Offered Yearlong

Available to Grades 10-12

Prerequisite: WOODS I (B+ or higher)

This advanced course is an independent projects class for students to explore the various woods areas, in the production of furniture or cabinets. The students will demonstrate safe shop practices while producing projects. Drawings, plan of procedure, and bill of materials will be made for each project.

TECHNOLOGY

439 COMPUTER SUPPORT SPECIALIST

Credit: 1

Offered per Semester

Available to 9-12 Grades

Prerequisite: Teacher approval

This course covers the basic hardware of a chromebook, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, maintain existing equipment and software, and troubleshoot/repair non-functioning chromebooks.

434 VIRTUAL REALITY

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None- Limit 12

This Independent Study course, conducted with instructors as mentors, enables students to explore topics of interest related to the Virtual Reality Education Pathfinder program. This course may serve as an opportunity for students to expand their expertise with the Blender software, to explore 3D animation in greater detail, or to develop more advanced skills related to the program. 2nd Semester is contingent on teacher's approval.

ENGLISH LANGUAGE ARTS

LITERATURE

151 ENGLISH 9

Credit: 2

Offered Yearly

REQUIRED for Grade 9

Prerequisite: None

This is a required one-year English course that will include the coverage of a variety of skills, reading literature, and writing several types of papers. Students will consider varying perspectives/ themes through a variety of literature. Written assignments will include personal narratives, stories, a research paper, essays, and vocabulary building exercises.

153 ENGLISH 10

Credit: 2

Offered Yearly

REQUIRED for Grade 10

Prerequisite: English 9

In this required year long English class, sophomores will encounter a variety of literature, writing, and film. Students will be studying vocabulary as well as the following forms of literature: short stories, novels, non-fiction pieces, and plays. Using the 6 + 1 Trait Model, students will also study and produce several forms of writing, including a research paper.

157 ENGLISH 11

Credit: 2

Offered Yearly

REQUIRED for Grade 11

Prerequisite: English 10

This is a required year long Language Arts course designed for juniors. This course will focus on writing, speaking, and specifically American Literature. This course may include the following. Writing--students will continue to work on effective writing skills focusing on Voice, Ideas, Word Choice, Conventions, Presentation, and style. Students will be writing in a variety of formats, essays, journaling, narratives, and poetry. Students will also be learning the art of effective rhetoric in persuasive writing through essays and speeches. Students will also be enhancing their speaking skills through class presentations and speeches that will focus on persuasive speaking, informative speaking, public address and advertising. Finally, students will be tying their writing and speaking skills into a study of American Literature. This literature will focus on the genres of poetry, plays, novels, essays, journals, speeches and short stories. Literature will also include historical documents from Early American Literature.

156 BRITISH LITERATURE

Credit: 1

Offered 1 Semester

Available to Grades 10-12

Prerequisite: Teacher Approval

British Literature is an elective course that fulfills a Language Arts or Literature requirement. This course will focus on several different types of genre such as poetry, novel, drama, epics, legends, visual narratives, and essays. Students will be expected to read outside of class and be prepared for class discussion. There will be several eras in British Literature we will be studying including The Anglo-Saxon Period, Middle Ages, Renaissance, and Romantic period. Students must be prepared to complete daily work, essays, poetry, and projects.

152 CONTEMPORARY LITERATURE

Credit: 1

Offered 1 Semester

Available to Grades 10-12

Prerequisite: Teacher Approval

This course will explore literature that is generally set or published after World War II. Students will focus on authors, themes, concerns of the time, structures, and techniques that have influenced the development of contemporary literature. Utilizing various types of literary criticism will enhance students' ability to engage in lively classroom and online discussion of texts. Reader response journals, creative writing, theme-related activities, and Socratic Seminars will present additional opportunities for individual expression. This elective promotes reading as a lifelong habit, exposes students to themes, concepts, and philosophies that may challenge their current comfort levels, and encourages the acceptance of diverse ideas in an increasingly global environment.

164 STRATEGIC READING I

Credit: 1

Offered Semester

Available to Grade 9

Prerequisite: Placement based on results of DAR testing and teacher recommendation

This research-based course is designed to improve students' reading abilities through modeled and guided practice of various reading strategies, as well as collaborative comprehension tasks, independent reading practice, and vocabulary development.

165 STRATEGIC READING II

Credit: 1

Offered Semester

Available to Grade 10

Prerequisite: Placement based on results of DAR testing and teacher recommendation

Continuation of modeled and guided practice of various reading strategies, as well as collaborative comprehension tasks, independent reading practice, and vocabulary development.

158 FILMS AS LITERATURE

Credit: 1

Offered 1 Semester

Available to Grades 11-12

Prerequisite: None

Films as Literature is a one-semester elective course that fulfills a Language Arts requirement. This course is a course designed to examine a film as a piece literature, while also examining film for its cinematic qualities. This class has strong emphasis on 21st century critical thinking skills. Students will be viewing several types of film genres in this class and will be required to write about, and analyze these films. Analysis's can come in many forms, verbal, written essays, or tests. Finally students will be required in the first half of the class to view a film of their choice and complete a film analysis. Throughout the class students will be expected to be developing their own film as well; this includes producing, writing, filming, and editing a personal film. This course will also teach how to use the editing tool in iMovie. This film can be done independently or in a group. Failure to do work in class or outside of class and finish projects, especially, the final film will result in failure of the course.

150 MYTHOLOGY

Credit: 1

Offered 1 Semester

Available to Grades 10-12

Prerequisite: None

Myths are traditional stories that have endured over a long time. This course will focus on the myths of ancient Greece and Rome, as a way of exploring the nature of myth and the function it plays for individuals, societies, and nations. We will also pay some attention to the way the Greeks and Romans themselves understood their own myths. This course will investigate myths through a variety of topics, including the creation of the universe, the relationship between gods and mortals, human nature, religion, the family, love, madness, and death. *Qualifies as an English Elective*

155 NOVELS (Literary Perspectives)

Credit: 1

Offered 1 Semester

Available to Grades 10-12

Prerequisite: Teacher Approval

This elective literature course will fulfill one literature elective for high school graduation requirements. This literature course will focus on reading various novels, discussing novels, and writing about them. This course has the expectations that students will need to be reading outside and inside of class and be prepared to share ideas in class. The novels chosen will be based on both the instructor's choice and student choice. Students will also get to read and share novels of their own choosing as well. This class is designed to promote the joys of reading and thoughtful expression about your ideas as you encounter some great works of literature.

160 WORLD LITERATURE

Credit: 1

Offered 1 Semester

Available to Grades 10-12

Prerequisite: Teacher Approval

This is an elective literature course. Students will read world literature including prose, poetry, drama, essays and a novel. Literature will come from many countries such as Italy, Greece, France, Russia, Latin America, and many other areas. Students will also share on Cultural Fridays--these days students will bring in information about cultures from around the World. This class's assessments will focus on written work. This written work will be focused on reflective and essay writing.

ORAL AND VISUAL COMMUNICATION

174 ORAL INTERPRETATION/ACTING

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This elective course is an introductory course to the stage. This course is designed for the student who is interested in theater, acting, and drama. This course may cover the following areas, improvisation, lip sync participation, Ensemble Acting, Readers Theatre, Monologues, mime, speech writing and delivery, and combat mime. Theatre Class activities will include performances in class, public performance, and class participation. Be prepared to perform in class you must participate in order to earn a passing grade. This is the perfect course to get involved with a variety of age groups and learn poise.

WRITING

186 CREATIVE WRITING

Credit: 1

Offered 1 Semester

Available to 11-12 Grades

Prerequisite: None

Students in this course will generate free writing in a journal, study models of good writing, and experiment with poetry, various genres, and prose. Students will develop a sense of speaker and audience. They will provide positive support for their fellow writers and learn to revise their work using concrete, sensory details and appropriate choice of diction, syntax, purpose, and audience. They will send manuscripts to contests for possible publication.

188 PUBLICATIONS

Credit: 2

Offered Yearly

Available to 10-12 Grades

Prerequisite: Teacher Approval and students must have passed English 9 and English 10 with an 80% average.

Students will produce the school yearbook. There will be an emphasis on writing style and technique, writing process (revising, and editing), and also production values and organization and deadlines. The students will focus on their writing skills and editing of stories, headlines, captions and the basics of production design, layout and printing of a publication. Students will work with a wide range of technology (knowledge of Adobe Photoshop, digital cameras, and computer photo editing software). Students will also have to work together with other students in the course to make major decisions about the yearbook. Students are also expected to take pictures at school events, outside of class time, and work at 2 concession stands. Students signing up for this class must be enrolled for both semesters.

192 TECHNICAL WRITING

Credit: 1

Offered 1 Semester

Available to Grades 10-12 Grades

Prerequisite: Teacher Approval

Students will survey basic concepts of non-fiction writing. Students will encounter various article formats and work towards developing their voice using various writing styles. This course will prepare students to research, organize, and writing persuasively. Much of the course will focus on the students developing and improving their writing in a variety of styles and formats.

184 WRITING III

Credit: 1

Offered 1 Semester

Available to Grades 11-12

Prerequisite: None

This class is an elective writing course, which is designed to prepare students to write for a variety of reasons and prepare them for college writing. Topics of essays include: persuasive, argumentative, literary analysis, research, informative, analysis of a visual narrative, a generic scholarship essay, personal narrative, and career readiness documents. Students will also have exposure to several forms of citations, grammar, and vocabulary exercises.

FINE ARTS

Visual Arts

113 ART APPRECIATION

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None

This course encourages students to gain an understanding and appreciation of art in their everyday lives. Themes covered may be: art terminology and principles of design, definition of art, cultural purposes of art, visual elements of art, and then artists and time periods throughout history. Art videos, critique of artworks, lecture, notes, and class presentations, will be a part of the class.

100 ART FUNDAMENTALS

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This is basic introductory course, which explores a variety of artistic styles, mediums, and the fundamentals of art. The class investigates, discusses, and implements the elements & principles of design through a number of diverse art projects. During the course of the semester, students will explore movements in art history as well as specific styles.

104 CERAMICS I

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This course will allow the student to discover art through clay. Students will create an understanding of form and function through a variety of projects.

107 CERAMICS II

Credit: 1

Offered per Semester

Available to Grades 10-12

Prerequisite: Ceramics I and teacher approval.

Ceramics II provides in-depth work with clay beyond Ceramics I. Students will further their technical ability in hand building, surface decoration and wheel thrown techniques. Students will continue to explore glaze application methods and various surface effects. Students will be highly encouraged to work beyond the ordinary in order to advance their artistic styles and capabilities with clay.

106 DRAWING

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: Art Fundamentals

This course is based on the guided practices in the five basic skills of drawing. These skills are perception of edges, lights, shadows, relationships, spaces, and the Gestalt. Students will have the opportunity to learn a variety of techniques and methods needed to be successful in drawing.

105 FOLK ART

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None

Open your mind and eyes to art from around the world. Course includes the study and viewing of artwork from other countries and cultures. Students will focus on a particular culture /country and then create and make art from here in a similar manner.

122 INDEPENDENT STUDIO

Credit: 1

Offered per Semester

Available to Grades 11-12

Prerequisite: Art Fundamentals, Drawing, Painting and Instructor's approval

This course is designed to allow the individual to pursue media or mediums of choice. Student should be a strong independent thinker and worker. The goal is to create personal, meaningful and individualized artwork. Course is designed for the college bound art student.

110 PAINTING

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None

This course will allow students to explore the world through color. Various tools and techniques used in the painting field will be explored. Students will create an understanding for aesthetics, composition, and painting techniques through a number of projects aimed at creating a personal connection to each painting.

114 SCULPTURE

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None

This course seeks to create a better understanding and appreciation for the major types, processes, and artistic traditions in sculpture. Students will apply their knowledge of the elements & principles of design to evaluate sculptural processes and sculptures. The student will develop their own creative ideas to design and create their own expressive sculptures.

MUSIC

NOTE: All music students will have the opportunity to participate in State Solo and Small Group Contest, Festivals, Exchange Concerts, Trips, and other functions.

130 APPLIED MUSIC

Credit: .5

Offered per Semester

Available to Grades 9-12

Prerequisite: Teacher Approval

This is an introductory general music class focusing on music expression, dynamics, and movement.

124 BAND**Credit: 1****Offered per semester****Available to Grades 9-12****Prerequisite: None**

This course is open to all students with a desire to participate in Instrumental Music. The major focus in Band is the Concert Band where students will be introduced to concepts that will improve music technique. Students involved in Band are required to participate in Marching Band and Pep Band during athletic events. Students enrolled in Band will be required to participate in concerts and other performances throughout the year and will have the opportunity to participate in select ensembles. Jazz Band is auditioned in the late fall and meets early in the morning. Any student enrolled in band is open to audition for Jazz Band. Weekly lessons are required and are scheduled by the director.

123 INTRO TO GUITAR**Credit: 1****Offered 1 Semester****Available to Grades 9-12****Prerequisite: Student must have own guitar**

Students will be taught the following: fundamentals of guitar, music and musicianship, music notation, terminology, scales, key signatures and time signatures. Also being taught, basic guitar chords, rhythms and fingering techniques. The music is beginning level classical, folk and popular guitar literature.

129 MUS 100- MUSIC APPRECIATION**Credit: 1****Offered Fall Semester****Available to Grades 11-12****DUAL CREDIT COLLEGE COURSE****Prerequisite: None**

A general course designed to make the student more aware of musical form, media, genres, musical periods, and the essential role of music in life and culture. Emphasizes the development of tools for intelligent listening and appreciation.

128 MUSIC THEORY**Credit: 1****Offered Spring Semester****Available to Grades 9-12****Prerequisite: None**

Theory provides students with knowledge about the fundamentals of music. The students will learn: Note names on all clefs, note names on the piano, major and minor key signatures, major and minor scales, intervals, chords (triads and 7th chords), chord progressions and part-writing, chord inversions, non-chord tones, modulations, musical forms and much more.

126 VOCAL MUSIC**Credit: 1****Offered per Semester****Available to Grades 9-12****Prerequisite: None**

This ensemble is open for any student with a reasonable degree of vocal ability and/or training in proper vocal technique. Students will be introduced to concepts that will improve sight-reading ability and overall music technique. Music for this ensemble will be sacred and secular, covering time periods from the Renaissance to contemporary in a variety of languages. Lessons are mandatory and will be scheduled by the director. Any student enrolled in this ensemble will be required to participate in concerts and other performances throughout the semester and will also have the opportunity to participate in select ensembles.

HEALTH AND PHYSICAL EDUCATION

Health, PE, Character Development

132 HEALTH I

Credit: 1

Offered per Semester

Available to Grades 9-12

REQUIRED for WHS Graduation

Prerequisite: None

The health units covered will include nutrition, goal setting, fitness, the body systems, drug and alcohol abuse, sex education and CPR Training. This introductory class will cover the health basics in the above areas with a focus on units important to early teens.

136 HEALTH II

Credit: 1

Offered 1 Semester

Available to Grades 10-12

Prerequisite: Health I

This class will teach the overall benefits of staying healthy. Health units that will be covered include nutrition, personal fitness, and changes of the body, body systems, mental and emotional health, drug use and abuse, sex education, and other current applicable health topics.

133 PE / LEADERSHIP / CHARACTER DEVELOPMENT

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: None

This is a daily class that combines traditional P.E. units with an introduction to lifting. Each week will consist of 3 days of PE on Monday, Wednesday, & Friday. Character development or Leadership will be on Tuesday and Thursdays with students learning character or leadership skills.

139 PERSONAL WELLNESS

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: Teacher Approval or PE / Leadership /Character Development

This class is designed to elevate the students heart rate through a variety of tasks, including but not limited to, walking, jogging, PiYo, Yoga, P90X, Zumba, and circuit training. Student will be provided with a heart rate monitor to examine their heart output, and will be expected to elevate their performance based on the feedback.

134 RECREATIONAL ACTIVITIES

Credit: 1

Offered Spring Semester

Available to Grades 9-12

Prerequisite: None

This class is designed for those individuals looking for lifetime activities. Recreational sport will be focused on being outside as much as possible. Activities will include cross country skiing, snow shoeing, hunter safety, fishing, and other activities. Students interested in this class should enjoy being active outside.

146 STRENGTH & CONDITIONING TRAINING

Credit: 1

Offered per Semester

Available to Grades 9-12

Prerequisite: The ability to work hard.

This class is for students that wish to train to become faster and stronger. The class will be divided into core lift and then auxiliary lifts.
One session of this class will be held during the Early Bird time (6:30am).

MATHEMATICS

MATHEMATICS

253 ALGEBRA A

Credit: 2

Offered Yearly

Available to Grades 9-11

Prerequisite: None

This is the first semester of regular algebra expanded through the school year. Topics include Equations, Inequalities, Linear Functions, and Solving Systems of Linear Equations. Algebra, in addition to its concern of solving mathematical problems, supplies the language and patterns of reasoning used in other branches of mathematics. Besides increasing their ability to organize and solve mathematical problems, most students will be able to solve and think through their own problems.

254 ALGEBRA B

Credit: 2

Offered Yearly

Available to Grades 10-12

Prerequisite: Algebra A

This is the second semester of regular algebra expanded through the school year. Topics include Exponents and Polynomials, Factoring Polynomials, and Quadratic Functions.

260 ALGEBRA I

Credit: 2

Offered Yearly

Available to Grades 9-12

Prerequisite: None

Algebra, in addition to its concern of solving mathematical problems, supplies the language and patterns of reasoning used in other branches of mathematics. Besides increasing their ability to organize and solve mathematical problems, most students will be able to solve and think through their own problems better. Topics include Equations, Inequalities, Linear Function, Systems of Equations and Inequalities, Exponents, Polynomials, Factoring Polynomials, and Quadratic functions and equations.

270 ALGEBRA II

Credit: 2

Offered Yearly

Available to Grades 10-12

Prerequisite: Algebra I

Algebra II is a course intended to follow Algebra I and Geometry. It builds **heavily** upon skills and concepts from Algebra I. The course emphasizes properties of the real number system, operations with algebraic expressions, functions, graphing, mathematical modeling of problems, problem solving, and communicating mathematics. Extensive work is done with linear functions, quadratic functions, rational expressions, and rational functions, the relationships between functions and their graphs, and solving systems of equations. The real number system is extended to include operations with complex numbers.

284 CALCULUS

Credit: 1

Offered Fall Semester

Available to Grade 12

Prerequisite: Pre-Calculus. Student must pass college entrance exams and students are required to meet cut scores on the College Placement Exam Co-Requisite MAT 211

This is the fifth year of the college prep mathematics sequence, following Pre-Calculus. The course will include a review of the properties of the real number system; a review of trigonometry and circular functions; logarithms and exponential functions; and most of the Advanced Placement Calculus AB syllabus. Students will receive one high school credit for semester one of this class, and then will take MAT 211 second semester and will receive both high school and college credit for second semester.

252 CODING

Credit: 1

Offered 1 Semester

Available to 10-12 Grades

Prerequisite: Algebra I (or A & B)

Coding is a class that introduces students to the foundational concepts of computer programming. Coding explores the technical challenges and questions that arise from the need to represent digital information in computers and transfer it between people and computational devices. The majority of the class introduces the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps. This course uses JavaScript as the programming language, and App Lab as the programming environment to build apps, but the concepts learned in these lessons span all programming languages and tools. The third unit allows the students to use Boe-Bots as a learning platform to explore the world of cyber, electronics and entry-level programming.

275 CONSUMER MATHEMATICS

Credit: 2

Offered Yearly

Available to Grades 11-12

Prerequisite: Algebra I, Pre-Algebra, Algebra A and/or Algebra B

This course familiarizes the student with basic arithmetic operations (particularly percent) and then, using these operations, deals with some of the problems that everyone encounters in daily life. Some of these include: earned income, interest and interest rates, savings and checking accounts, budgets, installment buying, automobile ownership and operation, insurance (fire, life, automobile, health, and accident), taxes (real estate, sales, income, 1040EZ form), investments, social security, and reading graphs and tables. This is not a college prep course.

265 GEOMETRY

Credit: 2

Offered Yearly

Available to Grades 9-12

Prerequisite: Algebra I (2 credits) or Algebra B

This is an elective math course intended to follow Algebra I. The course is a study of the process of logical thought. Logical thought consists of reaching valid conclusions based on facts special to the given problem as well as previously established facts. The skills learned in the logical pattern of problem solving can be applied to everyday decision-making and problem analyzation, as well as to other math and science courses. Topics covered include proof, geometric figures and their properties and relationships, and the algebra of geometry, including review of algebra skills pertinent to this and future math courses.

568 MAT 772- APPLIED MATH**Credit: 1****Offered Spring Semester****Available to Grades 11-12****DUAL CREDIT COLLEGE COURSE****Prerequisite: Algebra I**

This course reinforces general mathematics skills; extend these skills to include some pre-algebra, and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers measurements, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.

285 MAT 211- CALCULUS**Credit: 1****Offered Spring Semester****Available to Grade 12****DUAL CREDIT COLLEGE COURSE****Prerequisite: Pre-Calculus, Calculus & ACT comp score of 22 or higher & Math subscore of 23 or higher, or can meet cut scores on the WITC College Placement Tests.**

This is the fifth year of the college prep mathematics sequence, following Pre-Calculus. The course will include a review of the properties of the real number system; a review of trigonometry and circular functions; logarithms and exponential functions; and most of the Advanced Placement Calculus AB syllabus. Students will receive both high school and college credit for this dual credit course.

263 MAT 157- STATISTICS**Credit: 1****Offered 1 Semester****Available to Grades 11-12****DUAL CREDIT COLLEGE COURSE****Prerequisite: ACT comp score of 22 or higher & Math sub-score of 23 or higher, or can meet cut scores on the WITC College Placement Tests.**

This course addresses theory, techniques, and applications of statistical analyses: descriptive statistics, probability, sampling, estimation, test of hypotheses, ANOVA, linear regression and nonparametric procedures. Computer skills and use is needed throughout the course. This is a dual credit College NOW class worth 4 college credits.

250 PRE-ALGEBRA**Credit: 2****Offered Yearly****Available to Grades 9-12****Prerequisite: None**

This is an integrated course that will review the basic arithmetic operations and use these skills to begin work in basic algebraic concepts. Students will be introduced to exponents and negative numbers and will work extensively with percentages and solving equations. Volume, area, and perimeter will also be studied.

280 PRE-CALCULUS**Credit: 2****Offered Yearly****Available to Grades 11-12****Prerequisite: Geometry and Algebra II (2 credits)**

This course combines the study of Trigonometry, Elementary Function, & Math Analysis topics as preparation for Calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rotational, right trigonometric, & circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solution of right and oblique triangles; vectors, sequences, & series.

SCIENCE

SCIENCE

315 ADVANCED CHEMISTRY

Credit: 1

Offered 1 Semester

Available to Grade 12

Prerequisite: Chemistry (2 credits) and Teacher recommendation

This course is designed for students with a continuing interest in chemistry. Its purpose is to expand the student's knowledge of the areas of chemistry touched on in the first year course and also to consider new topics that time limitations prevented in first year chemistry, such as electro-chemistry, nuclear chemistry, organic chemistry, and qualitative analysis. Future college science majors should take this class. *Calculator is required.*

330 ADVANCED PLACEMENT BIOLOGY (AP BIOLOGY)

Credit: 2

Offered Yearly

Available to Grade 12

Prerequisite: Biology & Teacher Approval (Chemistry recommended)

This course is designed for students with a continuing interest in biology. It is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their freshman year. Approximately 25% of the class will focus on molecules and cells – emphasizing the chemistry of life, cell cycles, cellular respiration, and photosynthesis. Approximately 25% of the class will focus on genetics and evolution – emphasizing inheritance patterns, cellular genetics, and evolutionary patterns. The final 50% of the class will focus on a survey of the plant and animal kingdoms along with ecological relationships. Recommended for students planning to attend college and/or pursue a career in science. ALL students WILL be required to take the Advanced Placement test at the end of the class.

305 BIOLOGY

Credit: 2

Offered Yearly

REQUIRED for Grade 10

Prerequisite: Science 9

Biology is the study of living things. Topics studied include: scientific method, basic biochemistry, cell anatomy, cell energy use and reproduction, genetics and gene technology, evolution, and a survey of the plant and animal kingdoms.

530 BIO 169- ANATOMY AND PHYSIOLOGY I

Credit: 1

Offered 1 Semester

Available to Grades 11-12

DUAL CREDIT COLLEGE COURSE

Prerequisite: 1) Score 22 or higher on the ACT test 2) 2 semesters of High School Chemistry with a B- or better or 1 semester of High school Chemistry with a B- or better and 1 semester of High school biology with a B- or better 3) Completion with a C- or better in a transfer level Biology (BIO-105 or higher) or Chemistry (CHM-122 or higher). Co-requisite BIO 174.

This is a combined lecture and lab course that explores the relationship between structure and function in the human body. This course covers the skeletal, muscular, integumentary, and nervous systems, as well as cytology and histology. This course is for high school and college credit (4 college credits through Western Iowa Tech Community College).

531 BIO 174- ANATOMY AND PHYSIOLOGY II**Credit: 1****Offered 1 Semester****Available to Grades 11-12****DUAL CREDIT COLLEGE COURSE****Prerequisite: BIO 169**

This is a combined lecture and lab course. It is a continuation of Anatomy and Physiology I. The structure and function of the cardiovascular, lymphatic, endocrine, respiratory, digestive, urinary and reproductive systems are studied. This course is for high school and college credit (4 college credits through Western Iowa Tech Community College).

310 CHEMISTRY**Credit: 2****Offered Yearly****Available to Grades 11-12****Prerequisite: Science 9, Biology and 2 credits of Algebra**

Chemistry is the physical science that deals with the composition and structure of matter and the chemical changes that take place. Some of the areas to be studied will include: The atom and the theory of it's structure, the molecule, compounds, including acids, bases and salts, chemical bonding, classification of the elements, chemical reactions including the energy of reactions, gas laws, and the mathematics of chemistry. Recommended for students planning to attend college. *Calculator is required.*

309 NATURAL RESOURCES & ECOLOGY**Credit: 2****Offered Yearly****Available to Grades 10-12****Prerequisite: Science 9 and Biology/Intro to Ag**

Students will explore hands on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agendas. Study of the natural world including biomes, land, air, water, energy use, care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course. Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.

320 PHYSICS**Credit: 2****Offered Yearly****Available to Grades 11-12****Prerequisite: Algebra I and Geometry + Completed 4 credits of Science**

Physics deals primarily with the non-living aspects of nature. Here are some areas, which will be studied: measurements - force - motion - energy in the form of heat, light, and electricity. Recommended for students pursuing a career in science or math. *Calculator is required.*

300 SCIENCE 9**Credit: 2****Offered Yearly*****REQUIRED for Grade 9*****Prerequisite: None**

This physical science course presents an introduction to chemistry and physics using a hands-on conceptual learning approach. Topics will include meaning of science, measurement, scientific investigation, matter, atomic structure, chemical bonds, chemical reactions, motion, forces, energy, and engineering. Students work in cooperative learning groups doing both the lab and lecture components.

SOCIAL STUDIES

BEHAVIORAL SCIENCES

365 AMERICAN GOVERNMENT

Credit: 1

Offered Semester

REQUIRED for Grade 12

Prerequisite: None

Government is designed to provide the student with an understanding of how our government is organized, how politically active people attempt to control it, and how special interest groups move within it. The course will emphasize various forms of government around the world and how the United States actively interacts with them. Students will utilize critical thinking skills to investigate topics including Constitutional Law, The Bill of Rights, Civil Liberties, Civil Rights, Political Ideology, Comparative Governments and the Division of Powers. A couple of research projects will be included in the semester and we will also do at least one activity where we act as a governing body as a class.

374 CURRENT ISSUES

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None

The focus of this class will be on current global issues. Current Issues offers students the opportunity to study the contemporary world through current events. It is designed to be informative as well as to provide experience in reading, research, and writing. Some topics will include: environmental issues, global conflict, population issues, and human rights.

360 ECONOMICS (Not offered 2019-2020 school year)

Credit: 1

Offered Semester

REQUIRED for Grade 12

Prerequisite: None

Economics is a semester course focused around a basic understanding of economics. Topics covered but not limited to include macro sectors, micro sectors, scarcity, supply and demand, the role of government, the role of the private sector, the stock market, the money supply, inflation, and taxation. The course will also include a financial literacy unit ran through the I Have a Plan Iowa website that teaches some basic individual financial matters from banking and loans to insurance and other activities that people come across in their day-to-day lives.

381 GLOBAL INSIGHTS

Credit: 1

Offered 1 Semester

Available to Grades 9-12

Prerequisite: None

Global Insights is a course focused on how we as American citizens look at the world. The regions covered are, Central and South America, Australia, Oceania, Antarctica, Africa, the Middle East, Eastern and Western Europe. The course will place an emphasis on the physical and human aspects of geography as well as the commonly accepted five themes of geography. Students will also learn about the current issues facing these regions. Topics will include but are not limited to, world religions, human rights, and terrorism. Students will develop their basic map skills, critical thinking skills, writing skills, and other general social science skills. Lectures, notes, discussions, videos and other various projects will be required over the course of the semester.

355 MODERN AMERICAN HISTORY (1880-Present)

Credit: 2

Offered Yearly

REQUIRED for Grade 9

Prerequisite: None

Students will cover the following historical events: Progressivism, the Spanish-American War, World War I, the Roaring 20's, The Great Depression and the New Deal, WWII, the Korean War, War and Peace in a Nuclear Age, the Age of Space, the Civil Rights Movement, and the Vietnam War.

393 PSYCHOLOGY

Credit: 1

Offered 1 Semester

Available to Grades 11-12

Prerequisite: None

This course provides an overview of the study of human behavior with emphasis in the areas of biological mechanisms, development, sensation, learning and memory, motivation, therapy and social influence. The course stresses the impact of both theoretical perspectives and experimental evidence on the formulation of human behavior. Psychological theories and principles are utilized to explain and predict behavior.

395 SOCIOLOGY

Credit: 1

Offered 1 Semester

Available to Grades 11-12

Prerequisite: None

A survey of the fundamental concepts employed in the study of human social interaction with emphasis on group aspects of social behavior. Subject areas include research methods, culture and social structure, socialization, groups and formal organizations, deviance and social control, stratification, minorities, major social institutions, and social change.

385 WORLD HISTORY

Credit: 2

Offered Yearly

REQUIRED for Grades 10/11

Prerequisite: None

The primary purpose of this junior level course is to give students an opportunity to learn about the economic, political, and social developments that created the western civilization of which they are a part. The course includes study of the Ancient Middle East and Egypt, Ancient Greece and Rome, the Middle Age and the Rise of Nation States, the Renaissance, the Reformation, the French Revolution, Imperialism, as well as topics from the Far East including Japan, China, and India. We will look at these areas of history through a variety of methods from layered curriculum to project-based learning to lecture/note method.

WORLD LANGUAGE

WORLD LANGUAGE

200 SPANISH I

Credit: 2

Offered Yearly

Available to Grades 9-12

Prerequisite: None

This is an elective course that teaches the basic structures of the Spanish language. The students learn beginning skills in order to read, write, listen, and speak Spanish. They also learn important cultural points throughout the year. The emphasis is on using Spanish in everyday conversation. This course is not designed for the native speaker.

204 SPANISH II

Credit: 2

Offered Yearly

Available to Grades 10-12

Prerequisite: Spanish I with a C- or higher

Spanish II is a continuation of first year Spanish with added emphasis on formal grammar, conversational skills, presentations and cultural information. Text and workbook activities are included. This course is not designed for the native speaker.

208 SPANISH III

Credit: 2

Offered Yearly

Available to Grades 11-12

Prerequisite: Spanish II with a C- or higher

This course is a continuation of Spanish II, which emphasizes building skills in reading, writing, listening, and speaking. Cultural points are also a part of each unit. This class is conducted by the instructor, entirely in Spanish.

210 SPANISH IV

Credit: 2

Offered Yearly

Available to Grade 12

Prerequisite: Spanish III with a C- or higher

This course is primarily a review of previously learned grammar and structure of the language. It offers a significant component of Hispanic literature as well as increased conversational and listening practice. This class is conducted by the instructor entirely in Spanish.

COLLEGE NOW & OTHER COLLEGE DUAL CREDITS

Please note: WIT class offerings are contingent upon the number of students enrolled.

DUAL CREDIT CLASSES OFFERED BY WHS

*Classes with an * are listed above in their corresponding WHS curricular areas*

BCA 221	Integrated Computer Business Applications*
BIO 169	Anatomy & Physiology I*
BIO 174	Anatomy & Physiology II*
CSC 110	Introduction to Computers*
CON 136	Introduction to Construction Shop
CON 204	Basic Framing Techniques
CON 209	Introduction to Drywall
CON 365	Advanced Drywall
CON 366	Exterior Finishing
CON 367	Interior Doors, Cabinets, and Millwork
ELE 101	Industrial Safety
HSC 109	Exploring Health Careers and Building Teams
HSC 114	Medical Terminology
HSC 173	Nurses Aide Theory
HSC 174	Nurses Aide Clinical
HSC 178	Advanced Nurse Aide
MAT 157	Statistics*
MAT 211	Calculus*
MAT 772	Applied Math*
MUS 100	Music Appreciation*
WEL 120	Oxy Fuel Welding and Cutting
WEL 147	ARC Welding Introduction (SMAW)
WEL 422	GMAW for Production
WEL 423	Intro to GMAW
WEL 425	Measuring, Layout, and Applied Weld Symbols

479 CON 136 INTRODUCTION TO CONSTRUCTION SHOP

Credit: .5

Offered Fall Semester Only

Available to Grades 11-12

Prerequisite: None

This course is a prerequisite to all credit carpentry classes and is a lecture course that serves as an introduction into Carpentry or Construction classes. Content covers personal safety, tool safety, tool maintenance, and hand and power tool identification and proper use.

473 CON 204 BASIC FRAMING TECHNIQUES

Credit: 2.5

Offered Fall Semester Only

Available to Grades 11-12

Prerequisite: CON 136

This course offers a background in woods, fasteners and materials, and introduces blueprint reading. Beginning rafter construction and roof framing and finishing is also covered. It is a combined lecture and lab course and includes hands-on experience in the framing of exterior and interior walls, doors and window openings, and interior walls.

464 CON 209 INTRODUCTION TO DRYWALL**Credit: .5****Offered Fall Semester Only****Available to Grades 11-12****Prerequisite: CON 136**

This course is a combined lecture and lab course that introduces the student to the basics of hanging and taping drywall and its uses in residential construction. It also provides students the necessary knowledge and skills to insulate a structure.

470 CON 365 ADVANCED DRYWALL**Credit: .5****Offered Spring Semester Only****Available to Grades 11-12****Prerequisite: CON 136 and CON 209**

This is a combined lecture and lab course that further enhances students' ability to finish drywall and apply other interior wall and ceiling finishes. It provides students with the necessary knowledge and skills to finish drywall to a smooth surface and apply a variety of textures. Students will also learn alternate methods of wall and ceiling finishing such as paneling and suspended ceilings.

471 CON 366 EXTERIOR FINISHING**Credit: 1.5****Offered Spring Semester Only****Available to Grades 11-12****Prerequisite: CON 136**

In this course students will study different types of material for exterior finishing such as wood, steel, aluminum, vinyl, EIFS, and brick. There will also be an in-depth look at windows and exterior doors for residential and commercial construction. Included in this class is estimating materials, plan reading and the study of deck building.

472 CON 367 INTERIOR DOORS, CABINETS, AND MILLWORK**Credit: 1****Offered Spring Semester Only****Available to Grades 11-12****Prerequisite: CON 136**

This is a combined lecture and lab course in which students will learn to hang interior doors, install the trim around the doors and windows, install cabinets and special shelving, and install a complete stairway balustrade.

477 ELE 101 Industrial Safety**Credit: 1****Offered Fall Semester Only****Available to Grades 11-12****Prerequisite: None (This course may need to be completed before the start of the school year)**

This course covers mechanical, chemical, environmental and electrical aspects of safety. The role of OSHA in the workplace is presented. Students will become familiar with forms such as material Safety Data Sheets and will be trained in the use of (PPE) Personal protective Equipment and in other safety procedures related to materials handling and storage. Industrial hazards such as fall protection and caught-in/struck-by will be emphasized. Students will receive the OSHA 10 safety training and will be awarded an OSHA 10 card upon successfully completing this course.

538 HSC 109 EXPLORING HEALTH CAREERS AND BUILDING TEAMS**Credit: 1****Offered 1 Semester****Available to Grades 11-12****Prerequisite: Co-Requisite HSC 173 & HSC 174**

Designed to provide information on career options for individuals who are interested in pursuing a career in the healthcare industry. It includes the study of team dynamics and communication techniques necessary to work and succeed in the healthcare field. Students are given opportunities for career exploration through research and projects utilizing the Internet and library databases. It also provides instruction in browsing the Internet, using e-mail, and other computer literacy tools necessary for taking online courses and for careers in the healthcare industry.

534 HSC 114 MEDICAL TERMINOLOGY**Credit: 1****Offered 1 Semester****Available to Grades 11-12****Prerequisite: Co-Requisite HSC 178**

Presents medical terminology as the language of medicine. Studies spelling, pronunciation and usage, emphasis on word analysis and construction of definitions.

536 HSC 173 NURSES AIDE THEORY**Credit: 1****Offered 1 Semester****Available to Grades 11-12****Co-requisites: HSC 174 & HSC 109**

Course is designed to provide the student with the fundamentals of patient care in the healthcare environment. Students will learn basic anatomy, physiology, medical terminology, meeting human needs, safety measures, infection control, and physical care.

537 HSC 174 NURSE AIDE CLINICAL**Credit: 1****Offered 1 Semester****Available to Grades 11-12****Co-requisites: HSC 173 & HSC 109**

This course expands the students' knowledge of tasks, assessments and observations of patients in the healthcare environment. Students will develop technical skills specific to complex needs of the patient. This course is designed to teach the students what they need to know to pass the state CNA Certification test. It will involve working in a healthcare facility for no pay for about six hours per day for six Saturdays. This is a requirement of the class and before taking the state certification test. The student will need scrub uniforms, shoes that are white or black and impervious to liquids, and two TB tests. The student is responsible for the cost of the state certification test (around \$150.00). This course is for high school and college credit (Western Iowa Tech Community College).

455 HSC-178 ADVANCED NURSE AIDE**Credit: 1****Offered 1 Semester****Available to Grades 11-12****Prerequisites: HSC-173 & HSC-174, Co-requisite: HSC 114**

This course is designed as an optional additional unit of instruction for nurse aides who work in long-term care. This additional material provides the learner with content emphasizing the knowledge, attitude, and skills necessary for providing patient care in the acute setting. This course is taught at the Cherokee Regional Medical Center (CRMC). A physical is required for this class.

467 WEL 120 OXY FUEL WELDING AND CUTTING**Credit: 1****Offered Spring Semester Only****Available to Grades 11-12****Prerequisite: None**

In this course students will learn the fundamentals of oxy/fuel welding including the safe operation, proper setup, and welding and metal cutting skills. Topics include fusion welding and brazing on light gauge metals, cutting on heavy and light gauge metals, and welding of small diameter pipe.

468 WEL 147 ARC WELDING INTRODUCTION (SMAW)**Credit: 1****Offered Spring Semester Only****Available to Grades 11-12****Prerequisite: None**

This is the first of two courses designed for students to prepare for the AWS Certification. A combined lecture and lab course, students study safety, heat settings, polarity, and the proper selection of electrodes in the arc welding process. Topics include welding on carbon steel plate using visual and destructive methods of determining weld quality to AWS Standards.

465 WEL 422 GMAW FOR PRODUCTION**Credit: 2****Offered Fall Semester Only****Available to Grades 11-12****Prerequisite: WEL-423 Intro to GMAW**

This course combines lecture and lab activities to present the Gas Metal Arc welding (MIG) process used extensively by industry. A continuation of Intro to GMAW, WEL 423, students learn out of position welds using hands-on applications, metal transfer concepts, GMAW equipment maintenance, welding procedures, out of position welding, and safety.

466 WEL 423 INTRO TO GMAW**Credit: .5****Offered Fall Semester Only****Available to Grades 11-12****Prerequisite: Metals**

This course combines lecture and lab activities to present the Gas Metal Arc Welding (MIG) process used extensively by industry. It emphasizes hands-on applications, metal transfer concepts, GMAW equipment, and safety.

469 WEL 425 MEASURING, LAYOUT, AND APPLIED WELD SYMBOLS**Credit: 1****Offered Spring Semester Only****Available to Grades 11-12****Prerequisite: None**

This course combines lecture and lab activities to present basic measuring and layout tools used extensively by industry, as well as application of basic symbols. It emphasizes hands-on applications, accurate measurements techniques and proper use of tools and interpretation of basic weld symbols.

FRESHMAN REGISTRATION

Name Label

REQUIRED COURSES FOR FRESHMEN <small>(revised 2019)</small>		Fall Semester 2019	Spring Semester 2020	Career Interest Area: <hr/> Special Program Indicator: <i>(Please circle)</i> TAG RESOURCE ELL
ENGLISH <u>X</u> 151 English 9 (1 credit/sem)	1	English 9	English 9	
SCIENCE <u>X</u> 300 Science 9 (1 credit/sem)	2	Science 9	Science 9	
MATH ___ 250 Pre-Algebra (1 credit/sem) ___ 253 Algebra A (1 credit/sem) ___ 260 Algebra I (1 credit/sem) ___ 265 Geometry (1 credit/sem)	3	Math:	Math:	
PHYSICAL EDUCATION <u>X</u> 132 Health I (1 credit/sem) ___ 133 PE/Leadership/Char. Dev. ___ 139 Personal Wellness* ___ 134 Recreational Activities ___ 146 Strength & Conditioning	4	Modern American History	Modern American History	
SOCIAL STUDIES <u>X</u> 355 Modern American History (1 credit/sem)	5	PE:	PE:	
	6	(Health)		
	7			
	8			

Classes placed above will not necessarily be in this specific order.

ELECTIVES: (1 credit per semester) *PREREQUISITE REQUIRED

CAREER & TECH

AGRICULTURE:

___ 301 Intro to Ag, Food, and Natural Resources

BUSINESS:

___ 431 Computer Applications
___ 400 Intro to Business

FCS:

___ 462 Family & Interpersonal Relationships*
___ 461 Home Environments & Design*
___ 457 Human Growth & Development*
___ 441 Culinary I*
___ 458 Intro to FCS
___ 463 Textiles & Apparel*

INDUSTRIAL ARTS:

___ 487 Intro to Construction
___ 490 Drafting
___ 482 Metals I
___ 484 Metals II*
___ 483 Welding Fundamentals*
___ 480 Woods

TECHNOLOGY:

___ 434 Virtual Reality

ENGLISH LANGUAGE ARTS

___ 174 Oral Interp/Acting

FINE ARTS

VISUAL ARTS:

___ 113 Art Appreciation
___ 100 Art Fundamentals
___ 104 Ceramics I
___ 106 Drawing*

___ 105 Folk Art

___ 110 Painting
___ 114 Sculpture

MUSIC:

___ 130 Applied Music*
___ 124 Band
___ 123 Intro to Guitar
___ 128 Music Theory
___ 126 Vocal Music

HEALTH/PE

___ 132 Health I
___ 136 Health II*

SOCIAL STUDIES

___ 374 Current Issues
___ 381 Global Insights

WORLD LANGUAGE

___ 200 Spanish I

NO MORE THAN 16 CREDITS TOTAL (Each Class = 1 credit per semester)

Students must be enrolled in 7 out of 8 class periods with no more than 1 study hall per semester.

Student Signature _____

Date: _____

Parent Signature _____

Date: _____

It is the responsibility of the students and their parents to verify with colleges regarding their admission requirements.

SOPHOMORE REGISTRATION

Name Label

REQUIRED COURSES FOR SOPHOMORES (rev. 2019)		Fall Semester 2019	Spring Semester 2020
ENGLISH X 153 English 10	SOCIAL SCIENCE X 385 World History	1 English 10	English 10
SCIENCE X 305 Biology	PHYSICAL EDUCATION 133 PE/Leadership/Char. Dev. 146 Strength/Conditioning 139 Personal Wellness* 134 Recreational Activities	2 Biology	Biology
MATH 250 Pre-Algebra 253 Algebra A 254 Algebra B 260 Algebra I 270 Algebra II 265 Geometry	SPECIAL PROGRAM INDICATOR TAG Resource ELL Guided Study Hall	3 World History	World History
		4 Math:	Math:
		5 PE:	PE:
		6	
		7	
*Career Interest Area: _____		8	

Classes placed above will not necessarily be in this specific order.

ELECTIVES: (1 credit per semester) *PREREQUISITE REQUIRED

CAREER & TECHNICAL

EDUCATION

AGRICULTURE:

- ___ 301 Intro to Ag, Food, and Natural Resources
- ___ 308 Principles of Ag Science-Animal* (Yearlong Course)

BUSINESS:

- ___ 420 Accounting I
- ___ 405 Business Law
- ___ 431 Computer Applications
- ___ 410 Entrepreneurism*
- ___ 400 Intro to Business

FCS:

- ___ 462 Family & Interpersonal Relationships*
- ___ 461 Home Environments & Design*
- ___ 457 Human Growth & Development*
- ___ 441 Culinary I*
- ___ 442 Culinary II*
- ___ 458 Intro to FCS
- ___ 463 Textiles & Apparel*

INDUSTRIAL ARTS:

- ___ 487 Intro to Construction
- ___ 490 Drafting

- ___ 482 Metals I

- ___ 484 Metals II*

- ___ 483 Welding Fundamentals*

- ___ 480 Woods

- ___ 481 Woods II*

TECHNOLOGY:

- ___ 434 Virtual Reality

ENGLISH LANGUAGE ARTS

LITERATURE:

- ___ 156 British Literature*
- ___ 152 Contemporary Literature*
- ___ 150 Mythology
- ___ 155 Novels*
- ___ 160 World Literature*

ORAL AND VISUAL

COMMUNICATION:

- ___ 174 Oral Interp/Acting
- ___ 188 Publications*
- ___ 192 Technical Writing*

FINE ARTS

VISUAL ARTS:

- ___ 113 Art Appreciation
- ___ 100 Art Fundamentals
- ___ 104 Ceramics I

- ___ 107 Ceramics II*

- ___ 106 Drawing*

- ___ 105 Folk Art

- ___ 110 Painting

- ___ 114 Sculpture

MUSIC:

- ___ 130 Applied Music*
- ___ 124 Band
- ___ 123 Intro to Guitar
- ___ 128 Music Theory
- ___ 126 Vocal Music

HEALTH/PE

- ___ 132 Health I
- ___ 136 Health II*

SCIENCE

- ___ 309 Natural Resources & Ecology*

SOCIAL STUDIES

- ___ 374 Current Issues
- ___ 381 Global Insights

WORLD LANGUAGE

- ___ 200 Spanish I
- ___ 204 Spanish II*

NO MORE THAN 16 CREDITS TOTAL (Each Class = 1 credit per semester)

Students must be enrolled in 7 out of 8 class periods with no more than 1 study hall per semester.

Student Signature _____

Date: _____

Parent Signature _____

Date: _____

It is the responsibility of the students and their parents to verify with colleges regarding their admission requirements.

JUNIOR REGISTRATION

Name Label

REQUIRED COURSES FOR JUNIORS (rev. 2019)		Fall Semester 2019	Spring Semester 2020
ENGLISH X 157 English 11	MATH 250 Pre-Algebra	English 11	English 11
SCIENCE 310 Chemistry* 309 Natural Resources & Ecol.*	253 Algebra A 254 Algebra B* 260 Algebra I	World History	World History
SOCIAL SCIENCES 385 World History	265 Geometry* 270 Algebra II*	Sci:	Sci:
PHYSICAL EDUCATION 133 PE/Leadership/Char. Dev. 139 Personal Wellness* 134 Recreational Activities 146 Strength & Conditioning	275 Consumer Mathematics* 280 Pre-Calculus 252 Coding	Math:	Math:
		PE:	PE:

Classes placed above will not necessarily be in this specific order.

ELECTIVES: (1 credit per semester) *PREREQUISITE REQUIRED

CAREER & TECHNICAL EDUCATION

AGRICULTURE:

- ___ 308 Principles of Ag Science- Animal*
- ___ 321 Principles of Ag Science- Plant*

BUSINESS:

- ___ 420 Accounting I
- ___ 425 Accounting II*
- ___ 488 BCA 221 Integrated Comp. Business Apps*
- ___ 405 Business Law
- ___ 431 Computer Applications
- ___ 486 CSC 110- Intro to Computers
- ___ 410 Entrepreneurism*
- ___ 400 Intro to Business

FCS:

- ___ 462 Family & Interpersonal Relationships*
- ___ 461 Home Environments & Design*
- ___ 457 Human Growth & Development*
- ___ 441 Culinary I*
- ___ 442 Culinary II*
- ___ 458 Intro to FCS
- ___ 459 Personal & Career Readiness
- ___ 463 Textiles & Apparel*

INDUSTRIAL ARTS:

- ___ 487 Intro to Construction
- ___ 490 Drafting
- ___ 482 Metals I
- ___ 484 Metals II*
- ___ 483 Welding Fundamentals*
- ___ 480 Woods
- ___ 481 Woods II

TECHNOLOGY:

- ___ 434 Virtual Reality

ENGLISH LANGUAGE ARTS

LITERATURE:

- ___ 156 British Literature*
- ___ 152 Contemporary Literature*
- ___ 158 Films as Literature
- ___ 150 Mythology
- ___ 155 Novels*
- ___ 160 World Literature*

ORAL AND VISUAL COMMUNICATION:

- ___ 174 Oral Interp/Acting
- #### WRITING:
- ___ 186 Creative Writing
 - ___ 188 Publications*
 - ___ 192 Technical Writing*
 - ___ 184 Writing III

FINE ARTS

VISUAL ARTS:

- ___ 113 Art Appreciation
- ___ 100 Art Fundamentals
- ___ 104 Ceramics I
- ___ 107 Ceramics II*
- ___ 106 Drawing*
- ___ 105 Folk Art
- ___ 122 Independent Studio*
- ___ 110 Painting
- ___ 114 Sculpture

MUSIC:

- ___ 130 Applied Music*
- ___ 124 Band
- ___ 123 Intro to Guitar
- ___ 129 MUS 100 Music Appreciation
- ___ 128 Music Theory
- ___ 126 Vocal Music

HEALTH/PE

- ___ 132 Health I
- ___ 136 Health II*

MATHEMATICS

- ___ 253 Algebra A
- ___ 254 Algebra B*
- ___ 260 Algebra I
- ___ 270 Algebra II*
- ___ 252 Coding*
- ___ 275 Consumer Mathematics*
- ___ 265 Geometry*
- ___ 568 MAT 772 Applied Math*
- ___ 263 MAT 157 Statistics*
- ___ 250 Pre-Algebra
- ___ 280 Pre-Calculus*

SCIENCE

- ___ 530 BIO 169 Anatomy & Phys. I*
- ___ 531 BIO 174 Anatomy & Phys. II*
- ___ 310 Chemistry*
- ___ 320 Physics*

SOCIAL STUDIES

- ___ 374 Current Issues
- ___ 381 Global Insights
- ___ 393 Psychology
- ___ 395 Sociology
- ___ 385 World History

WORLD LANGUAGE

- ___ 200 Spanish I
- ___ 204 Spanish II*
- ___ 208 Spanish III*

NO MORE THAN 16 CREDITS TOTAL (Each Class = 1 credit per semester)

Students must be enrolled in 7 out of 8 class periods with no more than 1 study hall per semester.

Student Signature _____

Date: _____

Parent Signature _____

Date: _____

It is the responsibility of the students and their parents to verify with colleges regarding their admission requirements.

DUAL CREDIT CLASSES OFFERED BY WHS

*Classes with an * are taught AT WHS*

___ 285	BCA 221	Integrated Computer Business Applications*
___ 530	BIO 169	Anatomy & Physiology I*
___ 531	BIO 174	Anatomy & Physiology II*
___ 486	CSC 110	Introduction to Computers*
___ 479	CON 136	Introduction to Construction Shop
___ 473	CON 204	Basic Framing Techniques
___ 464	CON 209	Introduction to Drywall
___ 470	CON 365	Advanced Drywall
___ 471	CON 366	Exterior Finishing
___ 472	CON 367	Interior Doors, Cabinets, and Millwork
___ 477	ELE 101	Industrial Safety
___ 538	HSC 109	Exploring Health Careers and Building Teams
___ 534	HSC 114	Medical Terminology
___ 536	HSC 173	Nurses Aide Theory
___ 537	HSC 174	Nurses Aide Clinical
___ 455	HSC 178	Advanced Nurse Aide
___ 263	MAT 157	Statistics*
___ 285	MAT 211	Calculus* (must also sign up for Calculus [284] 1st semester)
___ 568	MAT 772	Applied Math*
___ 129	MUS 100	Music Appreciation*
___ 467	WEL 120	Oxy Fuel Welding and Cutting
___ 468	WEL 147	ARC Welding Introduction (SMAW)
___ 465	WEL 422	GMAW for Production
___ 466	WEL 423	Intro to GMAW
___ 469	WEL 425	Measuring, Layout, and Applied Weld Symbols

**STUDENTS INTERESTED IN TAKING GREAT START COURSES MAY LOOK AT
THE SCHEDULE IN THE GUIDANCE OFFICE.**

SENIOR REGISTRATION

Name Label

Required Courses for Seniors (rev. 2019)				
ENGLISH *Required English elective *Required English Literature elective (See electives below) SOCIAL SCIENCES ___ X_365 American Government PHYSICAL EDUCATION ___ 133 PE/Leadership/Char. Dev. ___ 139 Personal Wellness* ___ 134 Recreational Activities ___ 146 Strength & Conditioning SENIORS MAY HAVE ONLY ONE STUDY HALL FIRST SEMESTER.		Fall Semester 2019	Spring Semester 2020	
	1	(American Government)		
	2	PE:	PE:	
	3			
	4			
	5			
	6			
	7			
	8			

Classes placed above will not necessarily be in this specific order.

ELECTIVES: (1 credit per semester) *PREREQUISITE REQUIRED

CAREER & TECHNICAL EDUCATION

AGRICULTURE:

- ___ 308 Principles of Ag Science- Animal*
- ___ 321 Principles of Ag Science- Plant*

BUSINESS:

- ___ 420 Accounting I
- ___ 425 Accounting II*
- ___ 488 BCA 221 Integrated Comp. Business Apps*
- ___ 405 Business Law
- ___ 431 Computer Applications
- ___ 486 CSC 110- Intro to Computers
- ___ 410 Entrepreneurism*
- ___ 400 Intro to Business
- ___ 440/445 Work Based Learning*

FCS:

- ___ 462 Family & Interpersonal Relationships*
- ___ 461 Home Environments & Design*
- ___ 457 Human Growth & Development*
- ___ 441 Culinary I*
- ___ 442 Culinary II*
- ___ 458 Intro to FCS
- ___ 459 Personal & Career Readiness
- ___ 463 Textiles & Apparel*

INDUSTRIAL ARTS:

- ___ 487 Intro to Construction
- ___ 490 Drafting
- ___ 482 Metals I
- ___ 484 Metals II*
- ___ 483 Welding Fundamentals*
- ___ 480 Woods
- ___ 481 Woods II

TECHNOLOGY:

- ___ 434 Virtual Reality

ENGLISH LANGUAGE ARTS

LITERATURE:

- ___ 156 British Literature*
- ___ 152 Contemporary Literature*
- ___ 158 Films as Literature
- ___ 150 Mythology
- ___ 155 Novels*
- ___ 160 World Literature*

ORAL AND VISUAL COMMUNICATION:

- ___ 174 Oral Interp/Acting

WRITING:

- ___ 186 Creative Writing
- ___ 188 Publications*
- ___ 192 Technical Writing*
- ___ 184 Writing III

FINE ARTS

VISUAL ARTS:

- ___ 113 Art Appreciation
- ___ 100 Art Fundamentals
- ___ 104 Ceramics I
- ___ 107 Ceramics II*
- ___ 106 Drawing*
- ___ 105 Folk Art
- ___ 122 Independent Studio*
- ___ 110 Painting
- ___ 114 Sculpture

MUSIC:

- ___ 130 Applied Music*
- ___ 124 Band
- ___ 123 Intro to Guitar
- ___ 129 MUS 100 Music Appreciation
- ___ 128 Music Theory
- ___ 126 Vocal Music

HEALTH/PE

- ___ 132 Health I
- ___ 136 Health II*

MATHEMATICS

- ___ 250 Algebra A
- ___ 254 Algebra B*
- ___ 260 Algebra I
- ___ 270 Algebra II*
- ___ 284 Calculus*
- ___ 252 Coding*
- ___ 275 Consumer Mathematics*
- ___ 265 Geometry*
- ___ 568 MAT 772 Applied Math*
- ___ 285 MAT 211 Calculus*
- ___ 263 MAT 157 Statistics*
- ___ 250 Pre-Algebra
- ___ 280 Pre-Calculus*

SCIENCE

- ___ 315 Advanced Chemistry*
- ___ 330 AP Biology*
- ___ 530 BIO 169 Anatomy & Phys. I*
- ___ 531 BIO 174 Anatomy & Phys. II*
- ___ 310 Chemistry*
- ___ 309 Natural Resources & Ecology*
- ___ 320 Physics*

SOCIAL STUDIES

- ___ 374 Current Issues
- ___ 381 Global Insights
- ___ 393 Psychology
- ___ 395 Sociology

WORLD LANGUAGE

- ___ 200 Spanish I
- ___ 204 Spanish II*
- ___ 208 Spanish III*
- ___ 210 Spanish IV*

NO MORE THAN 16 CREDITS TOTAL (Each Class = 1 credit per semester)

Students must be enrolled in 7 out of 8 class periods with no more than 1 study hall per semester.

Student Signature _____

Date: _____

Parent Signature _____

Date: _____

It is the responsibility of the students and their parents to verify with colleges regarding their admission requirements.

DUAL CREDIT CLASSES OFFERED BY WHS

*Classes with an * are taught AT WHS*

___ 285	BCA 221	Integrated Computer Business Applications*
___ 530	BIO 169	Anatomy & Physiology I*
___ 531	BIO 174	Anatomy & Physiology II*
___ 486	CSC 110	Introduction to Computers*
___ 479	CON 136	Introduction to Construction Shop
___ 473	CON 204	Basic Framing Techniques
___ 464	CON 209	Introduction to Drywall
___ 470	CON 365	Advanced Drywall
___ 471	CON 366	Exterior Finishing
___ 472	CON 367	Interior Doors, Cabinets, and Millwork
___ 477	ELE 101	Industrial Safety
___ 538	HSC 109	Exploring Health Careers and Building Teams
___ 534	HSC 114	Medical Terminology
___ 536	HSC 173	Nurses Aide Theory
___ 537	HSC 174	Nurses Aide Clinical
___ 455	HSC 178	Advanced Nurse Aide
___ 263	MAT 157	Statistics*
___ 285	MAT 211	Calculus* (must also sign up for Calculus [284] 1st semester)
___ 568	MAT 772	Applied Math*
___ 129	MUS 100	Music Appreciation*
___ 467	WEL 120	Oxy Fuel Welding and Cutting
___ 468	WEL 147	ARC Welding Introduction (SMAW)
___ 465	WEL 422	GMAW for Production
___ 466	WEL 423	Intro to GMAW
___ 469	WEL 425	Measuring, Layout, and Applied Weld Symbols

STUDENTS INTERESTED IN TAKING GREAT START COURSES MAY LOOK AT THE SCHEDULE IN THE GUIDANCE OFFICE.