

# DOUGLAS HIGH SCHOOL



2023-2024

Course Description Book

# Douglas High School Registration Book

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## General Academic Information

### Academic Expectations

Students at DHS are expected to learn at high levels to become life ready. The staff is determined to help students by providing students with multiple opportunities to demonstrate proficiency.

#### Grading System

100 – 90 = A

89 – 80 = B

79 – 70 = C

69 – 60 = D

59 & below = F

At all times, students are urged to take a conscientious interest in their work and to make an honest and diligent effort in all classes. Parents and guardians will receive student report cards via e-mail during fall and spring parent/teacher conferences. Final report cards will be issued via e-mail and a hard copy in the mail at the end of each semester. Additional hard copies will be available upon request. Parents and students are encouraged to sign up for PowerSchool to get notifications and check their student's academic performance while enrolled at DHS.

### **CONCURRENT ENROLLMENT COURSES**

CCSD #1, in cooperation with Eastern Wyoming College (EWC) and other Wyoming post-secondary institutions, offers courses that allow for concurrent enrollment college credit. Students who successfully complete concurrent enrollment courses earn high school credit and college credit while attending the course at their high school campus.

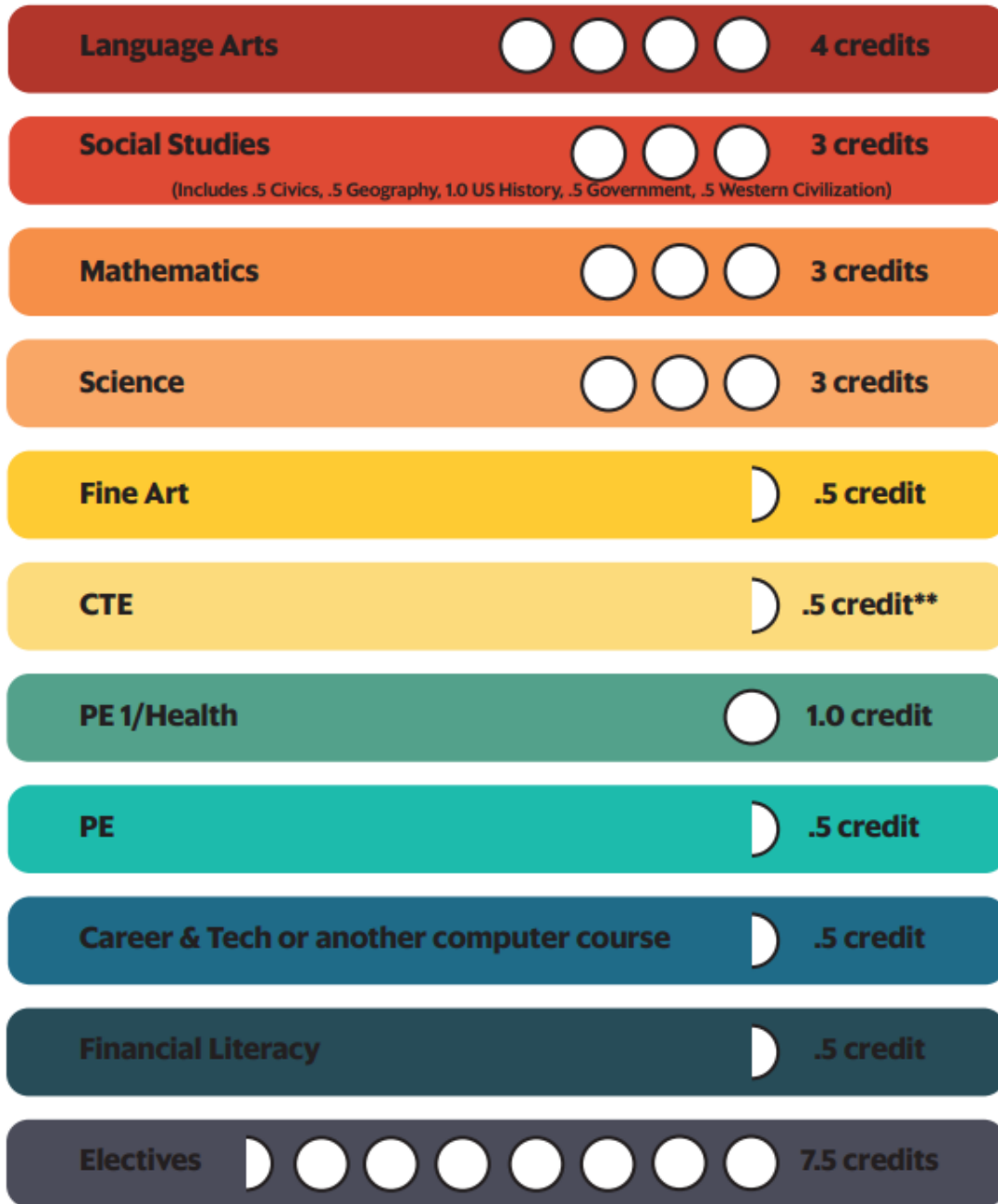
Every concurrent enrollment class taken at a high school is to be accurately recorded on a student's EWC (or other post-secondary institution) college transcript just as it appears on the student's official high school transcript. This is in line with statewide enrollment guidelines. A drop will be recorded as a drop, an F as an F, and a passing grade as a passing grade.

Concurrent Enrollment course agreements between CCSD #1 and colleges are approved prior to the beginning of each school year and may change from year to year. Courses that **MAY** be available as concurrent enrollment are noted in the individual course descriptions.



# GRADUATION REQUIREMENTS

(Class of 2022 & beyond)



**TOTAL**

**24 CREDITS**





# HATHAWAY SCHOLARSHIP REQUIREMENTS

HONORS \$1,680 per semester	PERFORMANCE \$1,260 per semester	OPPORTUNITY \$840 per semester	PROVISIONAL \$840 per semester
ACT SCORE			
25	21	19	17 (Or score a 12 on WorkKeys)
HATHAWAY GPA (AP, IB, Dual/Concurrent courses will be weighted)			
3.5	3.0	2.5	2.5
LANGUAGE ARTS			
4 Years (9-12 grade only)			Current HS graduation requirements
MATH			
4 Years Algebra I, Algebra II, Geometry and one "additional math" course (additional math course must be taken in grades 9-12)			Current HS graduation requirements; at least 2 of these courses: Algebra I, Algebra II, Geometry
SOCIAL STUDIES			
3 Years (9-12 grade only)			Current HS graduation requirements
SCIENCE			
4 Years (9-12 grade only) One year may include an "additional science" course			Current HS graduation requirements
FPA or CTE or FL			
4 Years 4 years of either fine and performing arts, foreign language or career and technical education. 2 of the 4 years must be sequenced		2 Years 2 years of either fine and performing arts, career and technical education, or foreign language (FL must be sequenced)	
MAX AWARD AMOUNT			
8 full-time semesters			4 full-time semesters. Students with a certificate can extend for an additional 4 full-time semesters at a community college.*
WHERE YOU CAN USE IT			
May be used at a WY community college or UW			Must start at a WY community college

## UNMET NEED AMOUNTS ARE AVAILABLE FOR HATHAWAY SCHOLARSHIP RECIPIENTS.

A completed FAFSA form is required to determine eligibility. For Performance, Opportunity and Provisional Opportunity scholarship levels, the amount awarded will be 25% of the annual unmet need up to \$1,575 annually. Honor level recipients will be awarded 100% of unmet need. [hathaway scholarship.org/get-more-money](https://hathaway scholarship.org/get-more-money)

**HATHAWAYSCHOLARSHIP.ORG**

\*Students with an associate's degree can extend for an additional 4 full-time semesters at UW.

# **Programs of Study Cover Sheet**



POS1

Agribusiness Systems	
9 <sup>th</sup> Grade	Agriculture 1A, Agriculture 1B "C"
10 <sup>th</sup> Grade	Agriculture Everyday Finance "C"
11 <sup>th</sup> Grade	Agriculture 2A, Agriculture 2B
12 <sup>th</sup> Grade	Plant Science, Animal Science
Industry Recognized Credentials: iCEV – Express, Southwest, OSHA – 10, State FFA Degree	

POS2

Power, Structural, and Technical Systems	
9 <sup>th</sup> Grade	Agriculture 1A, Agriculture 1B
10 <sup>th</sup> Grade	Agriculture 2A "C", Agriculture 2B "C"
11 <sup>th</sup> Grade	Agriculture Mechanics A, Agriculture Mechanics B
12 <sup>th</sup> Grade	Agriculture Construction
Industry Recognized Credentials: iCEV – Express, Southwest, OSHA – 10, State FFA Degree	

POS3

Construction	
9 <sup>th</sup> Grade	Woodworking Fundamentals "C"
10 <sup>th</sup> Grade	Intermediate Cabinetry "C"
11 <sup>th</sup> Grade	Advanced Woods
12 <sup>th</sup> Grade	Building Construction
Industry Recognized Credentials: iCEV – Express, Southwest, OSHA - 10	

POS4

Visual Arts	
9 <sup>th</sup> Grade	Principles of Management, Principles of Marketing
10 <sup>th</sup> Grade	Success in the Workplace "C", Web Page Design "C"
11 <sup>th</sup> Grade	Web Page Design "C", Success in the Workplace "C"
12 <sup>th</sup> Grade	Yearbook
Industry Recognized Credentials: iCEV – Express, Southwest	

POS5

General Management	
9 <sup>th</sup> Grade	Introduction to Business "C", Principles of Management, Principles of Marketing
10 <sup>th</sup> Grade	Personal Finance, Principles of Management, Principles of Marketing, Web Page Design

11 <sup>th</sup> Grade	Success in the Workplace “C”, Personal Finance, Principles of Management, Principles of Marketing, Web Page Design
12 <sup>th</sup> Grade	Work-based Learning, Youth Entrepreneurship
Industry Recognized Credentials: iCEV – Express, Southwest	

#### POS6

Therapeutic Services	
9 <sup>th</sup> Grade	Introduction to Sports Medicine 1A, Introduction to Sports Medicine 1B “C”
10 <sup>th</sup> Grade	Introduction to Sports Medicine 1A, Introduction to Sports Medicine 1B “C”, Introduction to Sports Medicine 2A “C”, Introduction to Sports Medicine 2B
11 <sup>th</sup> Grade	Introduction to Sports Medicine 2A “C”, Introduction to Sports Medicine 2B, Introduction to Sports Medicine 3A, Introduction to Sports Medicine 3B
12 <sup>th</sup> Grade	Introduction to Sports Medicine 3A, Introduction to Sports Medicine 3B, Work-based Learning
Industry Recognized Credentials: BLS/CPR	

#### POS7

Programming and Software Development	
9 <sup>th</sup> Grade	Introduction to Engineering 1
10 <sup>th</sup> Grade	Introduction to Computer Science “C”
11 <sup>th</sup> Grade	STEM, Computer Science Principles “C”
12 <sup>th</sup> Grade	Computer Science Principles “C”, STEM
Industry Recognized Credentials: iCEV – Express, Southwest	

#### POS8

Production	
9 <sup>th</sup> Grade	Welding 1A, Welding 1B “C”
10 <sup>th</sup> Grade	Welding 2A “C”, Welding 2B
11 <sup>th</sup> Grade	Welding 3A, Welding 3B
12 <sup>th</sup> Grade	Welding Fabrication A, Welding Fabrication B
Industry Recognized Credentials: iCEV – Express, Southwest, OSHA-10	

#### POS9

Facility & Mobile Equipment Maintenance	
9 <sup>th</sup> Grade	Auto 1 “C”
10 <sup>th</sup> Grade	Auto 2A “C”, Auto 2B
11 <sup>th</sup> Grade	Auto 3A, Auto 3B
12 <sup>th</sup> Grade	Auto 4A, Auto 4B
Industry Recognized Credentials: iCEV – Express, Southwest, ASE, OSHA - 10	

## Douglas High School Concurrent Enrollment Courses – 2021-2022

Course Name	College Credit
Accounting Business Math EWC BADM 1005 CC*	3
American & Wy Govt EWC POLS 1000 CC*	3
Calculus EWC MATH 2200 CC*	5
English 1: Composition EWC ENGL 1010 CC*	3
Fund of Statistics EWC STATS 2050 CC*	4
Hamilton Avenue EWC MUSC 1404 CC*	1
Hamilton Boulevard EWC MUSC 1400*	1
Hamilton Express EWC MUSC 1400 CC*	1
Int. Woods: Beg Cabinetmaking CNTK 1630 CC*	2
Intro to Literature EWC ENGL 2020 CC*	3
Math Analysis/Prob Solv EWC MATH 1000 CC*	3
Pre-Calc/Trigonometry EWC MATH 1405 CC*	3
Pre-Calc/Algebra EWC MATH 1400 CC*	4
Principles of Biology EWC BIOL 1000 CC*	3
Principles of Marketing EWC MKT 2100 CC*	3
Public Speaking EWC CO/M 2010 CC*	3
Social Problems EWC SOC 1100 CC*	3
Spanish EWC SPAN 1010 CC*	4
US from 1865 EWC HIST 1221 CC*	3
US to 1865 EWC HIST 1211 CC*	3
Woodworking EWC CNTK 1510/1860/1865 CC*	3, 4, 4
Algebra III EWC MATH 0920-0930	3
PE2 EWC PEAC 1008	1
Weights EWC PEAC 1273	1
College Studies EWC HMDV 1000 CC*	1
Intro to Entrepreneurship EWC ENTR 1500 CC*	2
Technical Writing EWC TECH 1005 CC*	3
Lifetime Sports	1
Outdoor Ed	1
Welding 2B EWC Weld 1700*	3
Welding 3B EWC Weld 1773*	2
Principles of Management EWC MGT 2100 CC*	3

**2021 - 2022**  
**HIGH SCHOOL**  
**COURSE DESCRIPTIONS**

presentations  
FFA - Animals  
Debits  
Circuit  
Account  
Credits  
Dreamweaver  
database  
Principles  
MS  
Lego Mindstorm  
Breadboard  
Access  
Plants  
Pixels  
Tetrix  
masking  
financial  
Planning  
Liabilities  
vectors  
Game  
Assets  
Flowers  
HTML  
wordprocessing  
budgets  
Retail  
MoneyMatters  
businessethics  
Spreadsheets  
Presentation  
Excel  
goals  
application  
slide  
marketing  
FIRST  
InDesign  
Microsoft  
Office  
Logic  
Internet  
Owner's  
TCEA  
economics  
Capital  
PowerPoint  
fashion  
foodandfiber  
Gates  
Data  
Equity  
Capital  
BEST  
Word  
Word  
Horticulture  
VEX  
Marketing  
Flash  
Agriculture  
Computer  
Classes  
Photoshop  
Principles  
Of  
Enterprise  
Business  
Computer  
Science  
Career  
And  
Technical  
Education  
Illustrator  
Floral  
Design  
layers  
Graphic  
Ag  
palettes  
spreadsheets  
Resolution  
Landscape  
Financial  
Planning  
Liabilities  
vectors  
Game  
Assets  
Flowers  
HTML  
wordprocessing  
budgets  
Retail  
MoneyMatters  
businessethics  
Spreadsheets  
Presentation  
Excel  
goals  
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slide  
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FIRST  
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Microsoft  
Office  
Logic  
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Owner's  
TCEA  
economics  
Capital  
PowerPoint  
fashion  
foodandfiber  
Gates  
Data  
Equity  
Capital  
BEST  
Word  
Word

## Agriculture

<b>Progression Chart for Agriculture Classes – ½ Credit Needed for Graduation</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
602 Agriculture Education 1*	602 Agriculture Education 1*	602 Agriculture Education 1*	602 Agriculture Education 1*
	603 Agriculture Education 2*	603 Agriculture Education 2*	603 Agriculture Education 2*
410 Plant Science*		600 Mechanical Construction*	600 Mechanical Construction*
	410 Plant Science*	410 Plant Science*	410 Plant Science*
		409 Animal Science*	409 Animal Science*
		606 Agriculture Everyday Finance*	606 Agriculture Everyday Finance*
		607 Ag Construction*	607 Ag Construction*

### **AGRICULTURE EDUCATION 1\***

Course Number: H602

SCED: 18002G0.5018

Prerequisites: None

Duration: Year – 1.0 Credits

Additional Information: None

Agriculture Education 1 is a beginning level course in the area of agriculture. The class is designed to introduce the areas of Animal, Meat, Crop, Horticulture and Soil Sciences, Agriculture Mechanics, as well as enhance leadership and public communication skills.

### **MECHANICAL CONSTRUCTION\***

Course Number: H600

SCED: 18401G0.5011

Prerequisites: Agriculture Education 1 & 2

Duration: 1 Semester – 0.5 Credits

Additional Information: None

Mechanical Construction is an introductory course that explores a wide variety of mechanical and building processes. Students will complete numerous lab/shop-based and project-based activities that

will give students the opportunity to develop an understanding of the scientific process and increase hand-eye coordination and motor skills. Areas of study in this course include careers in agriculture mechanics, mechanical safety and hazards and hand and power tools. Topic clusters in this course include electricity, small engines, welding and metal work, wood construction, and mechanical technology. Leadership development and career exploration are an integral course component. (Need min. 10 in class)

#### **PLANT SCIENCE\***

Course Number: H410

SCED: 18051G0.5011

Prerequisites: None

Duration: 1 Semester - 0.5 Credits

Additional Information: None

Plant Science will cover the basic principles of plant growth, including human and environmental influences and the practical application of plant production. Areas of study will include the historical and economic importance of plants for food, feed, and fiber. Also, it will include the classification, and geographic distribution of crops, environmental factors, economic factors, plant breeding, growth, development, seedbed preparation, tillage, pests and diseases, harvesting, storing, and marketing practices. Additionally, this class will also explore career options in the plant science field. A portion of each semester will also have a greenhouse project-based application.

#### **AGRICULTURE EDUCATION 2\***

Course Number: H603

SCED: 18002G0.5038

Duration: Year – 1.0 Credits

Prerequisite: Agriculture Education 1

Additional Information: None

Agriculture 2 is designed to develop a better understanding of Animal, Meat, Crop, Horticulture and Soil Sciences and Agriculture Mechanics. This class will also enhance leadership and public communications skills.

#### **ANIMAL SCIENCE\***

Course Number: H409

SCED: 18101G0.5033

Duration: 1 Semester - 0.5 Credits

Prerequisites: Agriculture Education 1 and Agriculture Education 2

Additional Information: None

Animal Science focuses on the fundamental principles of animal science, including the economic impact of animal agriculture upon the United States and the world, animal genetics, anatomy and physiology, growth, reproduction, artificial insemination, nutrition, animal disease and livestock selection. Careers such as veterinarians, veterinarian technicians, animal scientists, genetic engineers and livestock producers will be examined.

#### **AGRICULTURE EVERYDAY FINANCE\***

Course Number: H606  
 SCED: 18201G0.5011  
 Duration: 1 Semester – 0.5 Credits  
 Prerequisite: Agriculture Education 1 & Agriculture Education 2  
 Additional Information: None

The course is designed to instruct students in ethical business practices, to be able to communicate current Ag issues, analyze financial records, and understand agricultural economy. Students will perform business operations through practical experience. This course meets the financial literacy requirements.

### **AGRICULTURAL CONSTRUCTION\***

Course Number: H607  
 SCED:  
 Duration: 2 Hours for 2 Semesters – 2 Credits  
 Prerequisite: Must have previously taken 2 vocational classes  
 Additional Information: None

Agricultural Construction and Technology is an advanced course that focuses on the knowledge, hands on skills, and workplace skills applicable to design and construction in the agricultural industry. Careers such as agricultural engineers, carpenters, plumbers, electricians, safety specialists, and other related occupations will be examined. This class will focus on improving workplace and leadership skills. Offered on even years.

### **AG INDEPENDENT**

Course number: H601  
 SCED:  
 Duration: 1 Semester – 0.5 Credits  
 Prerequisite:  
 Additional Information:

This course is designed for seniors who have taken all prior agriculture education courses. Students must be approved by the instructor prior to enrollment. This class allows senior students to independently work on coursework specific to the agricultural area of study of that student choosing. Students and instructor develop a mutual plan for class credit. Examples include online college class work, additional project construction, leadership activities and other career development events. The class will aid in confirming current educational and career goals and in obtaining hands-on experience.

### Automotive

<b>Progression Chart for Automotive Classes</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
650 Auto Technology 1*	650 Auto Technology 1*	650 Auto Technology 1*	650 Auto Technology 1*



	655 Auto Technology 2*	655 Auto Technology 2*	655 Auto Technology 2*
		660 Auto Technology 3*	660 Auto Technology 3*
			668 Auto Technology 4*

#### **AUTO TECHNOLOGY 1\***

Course Number: H650

SCED: 20104G0.5018

Duration: 1 Semester – 0.5 Credits

Prerequisite: None

Additional Information: 1 Hour per Day

This course is a study of the basic fundamentals of modern auto. This includes a two-cycle, four-cycle, Wankel, and Diesel engine operations. All systems of the car will be studied during the year.

#### **AUTO TECHNOLOGY 2\***

Course Number: H655

SCED: 20104G0.5038

Duration: Year – 1.0 Credits

Prerequisite: Auto Tech. 1

Additional Information: None

This course will cover detailed service of the automobile to include the areas of on-board computer systems, fuel injection systems, emission control systems, engine repair systems, advanced brake service, engine repair, automatic transmission service, and rear differential service. Other areas may be covered depending on time and resources.

#### **AUTO TECHNOLOGY 3\***

Course Number: H660

SCED: 20104G0.5058

Duration: Year – 1.0 Credits

Prerequisite: Auto Technology 2 with a C or better

Additional Information: 1 Hour per Day

This course will cover advanced theory and service of the automobile to include the areas of: on-board computer systems, fuel injection systems, emission control systems, and automatic transmission service. Other areas may be covered depending on time and resources.

#### **AUTOMOTIVE TECHNOLOGY 4\***

Course Number: H668

SCED: 20104G0.5078

Duration: Year – 1.0 Credits

Prerequisite: Auto Technology 1, Auto Technology 2 & Auto Technology 3

Additional Information: None

This course is set up on an individual study basis. The student will be required to study the areas of fuel injection systems, advanced charging system trouble shooting and advanced ignition system trouble shooting, as well as other trouble shooting areas of the automobile. Other areas may be covered depending on student interest and needs.

#### **AG MECHANICS A**

Course Number:

SCED:

Duration:

Prerequisite: Agriculture Education A and B, Agriculture Education 2 A and B.

Agriculture Mechanics will deal with the mechanical aspects of agriculture in the areas of construction and conservation, agriculture power and machinery, and agriculture structures and project development.

#### **AG MECHANICS B**

Course Number:

SCED:

Duration:

Prerequisite: Agriculture Education A and B, Agriculture Education 2 A and B.

Agriculture Mechanics will deal with mechanical aspects of agriculture in the areas of construction and conservation, agriculture power and machinery, and agriculture structures and project development.

#### Business

<b>Progression Chart for Business Classes 2019-20 &amp; 2021-22 - ½ Credit Needed for Graduation</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
504 Intro to Entrepreneurship EWC ENTR 1500 CC* Every Other	504 Intro to Entrepreneurship EWC ENTR 1500 CC*	504 Intro to Entrepreneurship EWC ENTR 1500 CC*	504 Intro to Entrepreneurship EWC ENTR 1990 CC*

Year Beginning 23-24	Every Other Year Beginning 23-24	Every Other Year Beginning 23-24	Every Other Year Beginning 23-24
Intro to Business*			
		***526 Personal Finance*	***526 Personal Finance*
	****575 Success in Workplace*	****575 Success in Workplace*	****575 Success in Workplace*
529 Web Page Design EWC INET 1590 CC*	529 Web Page Design EWC INET 1590 CC*	529 Web Page Design EWC INET 1590 CC*	529 Web Page Design EWC INET 1590 CC*
	Intro to Business*	Intro to Business*	570 WBE
			702 WBL
<b>Progression Chart for Business Classes 2020-21 &amp; 2022-23 - ½ Credit Needed for Graduation</b>			
Grade 9	Grade 10	Grade 11	Grade 12
573 Principles of Management EWC MGT 2100 CC*	573 Principles of Management EWC MGT 2100 CC*	573 Principles of Management EWC MGT 2100 CC*	573 Principles of Management EWC MGT 2100 CC*
527 Principles of Marketing EWC MKT 2100 CC*	527 Principles of Marketing EWC MKT 2100 CC*	527 Principles of Marketing EWC MKT 2100 CC*	527 Principles of Marketing EWC MKT 2100 CC*
	***526 Personal Finance	***526 Personal Finance	***526 Personal Finance
	****575 Success in Workplace	****575 Success in Workplace	****575 Success in Workplace
	535 Accounting Business Math EWC BADM 1005 CC* Every Other Year Beginning 22-23	535 Accounting Business Math EWC BADM 1005 CC*	535 Accounting Business Math EWC BADM 1005 CC*
			570 WBE
			702 WBL

CC = Concurrent Enrollment

\*\*Meets Career/Vocational Graduation Requirement

\*\*\*Meets Financial Literacy Graduation Requirement

\*\*\*\*Pre-requisite for Career/Ed and Internships – must be completed prior year

**This program is designed to provide training and life skills to provide a background and foundation for students. If they wish to pursue a career in business, business curriculum consists of sequenced courses that provide concurrent high school and college credit. Business courses provide all levels of**

**students with training to broaden their scope in career opportunities. The students will also explore career opportunities to help them make career choices.**

#### **PRINCIPLES OF MANAGEMENT EWC MGT 2100 CC\***

Course Number: H573

SCED: MGT 2100

Duration: 1 Semester – 0.5 Credits

Prerequisite: None

Additional Information: EWC MGT 2100 - 3 College Credits

This course seeks to develop an understanding and appreciation of the basic concepts of management, including planning, organizing, human resources management, directing, and controlling. Students will learn the skills to become an effective business manager, including managing finances, delegation, leadership, communication, and team building. Students who successfully pass the A\*S\*K Institute exam will earn a Fundamental Business Concepts certification.

#### **INTRO TO BUSINESS\***

Course Number: H512

SCED:

Duration: 1 Semester – 0.5 Credits

Prerequisite: None

Additional Information:

Introduction to Business will survey an array of topics and concepts related to the field of business. This course introduces business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, the American economic system and corporate organization.

#### **PRINCIPLES OF MARKETING EWC MKT 2100 CC\***

Course Number: H527

SCED: MKT 2100

Duration: 1 Semester – 0.5 Credits

Prerequisite: None

Additional Information: EWC MKT 2100 – 3 College Credits

An overview of marketing including the strategies for product, distribution, promotion, and pricing decisions; the relationship of these decisions to the external environment; global perspectives for tactical and strategic planning related to marketing; and ethics in marketing consideration. Students who successfully pass the A\*S\*K Institute exam will earn a Fundamental Marketing Concepts certification.

#### **PERSONAL FINANCE\***

Course Number: H526

SCED: 12007G0.5035

Duration: 1 Semester – 0.5 Credits

Prerequisite: None

Additional Information: (Meets graduation requirement for financial literacy)

This course will introduce students to the concepts of economics and personal financial management, including financial planning, income and taxes, banking services, credit, insurance, and buying a house and car. Students will learn real-world skills to effectively manage their money through consumer purchases and investing, including playing the Stock Market Game. Students who successfully pass an exam will earn either a WISE or ICEV Financial Literacy Industry Certification.

#### **SUCCESS IN WORKPLACE\***

Course Number: H575

SCED: 12001G0.5025

Duration: 1 Semester – 0.5 Credits

Prerequisite: Intro to Business

Additional Information: None

This course will help students gain familiarity and understanding of the key elements involved in preparing for employment. Familiarity will be achieved through the introduction, practice, and understanding of several pre-employment activities. Students will gain a knowledge of the components involved in job and career preparation through a variety of hands-on practice activities that incorporate technology used daily in the business world and work environment. ***Success in the Workplace will be a required pre-requisite for 570 Career/702 Educational Internships.*** Students must complete this course ***before*** they start their career or educational internship.

#### **ACCOUNTING BUSINESS MATH EWC BADM 1005 CC\***

Course Number: H535

SCED: BADM1005

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: EWC BADM 1005 - 3 College Credits

This is a basic course in accounting fundamentals focusing on the accounting cycle and financial statements. Double entry accrual accounting procedures are emphasized for a service business organized as a sole proprietorship. Specific areas covered include recording and posting transactions, end-of-the-period procedures, and payroll accounting. No previous knowledge of accounting is necessary. Students who pass the Accounting CLEP test at the end of this course may qualify for college credit in accounting.

#### **EDUCATIONAL INTERNSHIP\***

Course Number: H702

SCED: 19198G0.5012

Duration: 1 Semester – 0.5 Credits

Prerequisite: 575 Success in the Workplace

Additional Information: None

The career Ed internship program is designed to provide students with actual classroom experiences. Students will be individually assigned a primary, intermediate, upper, or middle school teacher as their mentor. They will report daily to observe and assist in the classroom as an Educational Assistant. They will be required to keep a daily journal of their experiences as well as turn in a final

portfolio. Students will be graded with a pass/fail for the course. **Students in this program will be required to block two periods together for their internship experience.**

#### **WEB PAGE DESIGN: ADOBE EWC INET 1590 CC\***

Course Number: H529

SCED: INET 1590

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: EWC INET 1590 - 3 College Credits - Dependent on Teacher

This course will introduce students to web page design using design techniques using Adobe Dreamweaver, Fireworks and Flash. Students will learn the skills to design and publish basic custom web sites containing multimedia-rich web pages containing text, images, animation, sounds and video.

#### **INTRO TO ENTREPRENEURSHIP EWC ENTR 1500 CC\***

Course Number: H504

SCED: ENTR 1990

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: EWC ENTR 1900 – 2 College Credits

This course is designed for students who are interested in starting businesses, launching products within organizations or setting growth strategies for businesses. Students are strongly encouraged to participate in this course to gain knowledge and experience in entrepreneurial management at an in-depth level. Students who successfully pass the Certipoint exam will earn industry certification in Entrepreneurship and Small Business.

#### **YEARBOOK**

Course Number: H852

SCED: 11104G1.0035

Duration: Semester – 0.5 Credits

Prerequisite:

More information:

This course's main goal is to plan design and prepare for printing the school yearbook. Instruction in the class would include special emphasis in developing a book theme and carrying it out through book design and coverage type styles and sizes layout styles and page design copywriting headline and caption writing special printing techniques special reporting ad sales and design yearbook financing and indexing. Special skills that would be acquired in the class would include not only layout and copywriting skills but also use of computer assisted layout design and picture generation. Assignments require sales and other community contact outside of the school day.

Computer Science/Engineering

<b>Progression Chart for Computer Science / Engineering</b>
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Grade 9	Grade 10	Grade 11	Grade 12
705 STEM*	705 STEM*	705 STEM*	705 STEM*
518 Introduction to Computer Science A *	518 Introduction to Computer Science A*	518 Introduction to Computer Science A*	518 Introduction to Computer Science A*
518 Introduction to Computer Science B *	518 Introduction to Computer Science B *	518 Introduction to Computer Science B *	518 Introduction to Computer Science B *
711 Intro to Engineering*	711 Intro to Engineering*	711 Intro to Engineering*	711 Intro to Engineering*
710 Computer Science Principles A*	710 Computer Science Principles A *	710 Computer Science Principles A*	710 Computer Science Principles A*
710 Computer Science Principles B*	710 Computer Science Principles B*	710 Computer Science Principles B*	710 Computer Science Principles B*
	JavaScript Programming A	JavaScript Programming A	JavaScript Programming A
	JavaScript Programming B	JavaScript Programming B	JavaScript Programming B

### **STEM\***

Course Number: H705

SCED: 21001G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information:

Students are introduced to the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skills in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. The class will meet the NGSS for Engineering and Systems.

### **INTRODUCTION TO COMPUTER SCIENCE\***

Course Number: H518

SCED: 10003G0.5014

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information:

This course explores computer programming using the Microsoft TEALS Curriculum. It is designed as a yearlong class with first semester using the block coding language SNAP and Second Semester using the popular text language Python. Students will learn about loops, variables, Boolean logic, abstraction customization, lists, debugging, pseudocode, and conditionals. This course will focus on meeting the Wyoming Computer Science Standards.

### **COMPUTER SCIENCE PRINCIPLES**

Course Number: H710

SCED: 10019G1.0014

Duration: Semester – 0.5 Credits

Prerequisite:

Additional Information:

Computer Science Principles courses provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives. This course will focus on meeting the Wyoming Computer Science Standards.

### **JavaScript PROGRAMING A**

Course Number: H531A

SCED: 10155G0.5012

Duration: Semester – 0.5 Credits

Prerequisite:

Additional Information:

In this course, you'll learn fundamental programming concepts in JavaScript. The students will start with basic data structures like numbers and strings. Then they will learn to work with arrays, objects, functions, loops, if/else statements, and more.

### **JavaScript PROGRAMING B**

Course Number: H531B

SCED: 10155G0.5022

Duration: Semester – 0.5 Credits

Prerequisite:

Additional Information:

In this course, you'll learn fundamental programming concepts in JavaScript. The students will start with basic data structures like numbers and strings. Then they will learn to work with arrays, objects, functions, loops, if/else statements, and more.



### Sports Medicine

<b>Progression Chart for Health Professions - ½ Credit Needed for Graduation</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
713A Introduction to Sports Medicine A*	713A Introduction to Sports Medicine A*	713A Introduction to Sports Medicine A*	713A Introduction to Sports Medicine A*
713B Introduction to Sports Medicine B*	713B Introduction to Sports Medicine B*	713B Introduction to Sports Medicine B*	713B Introduction to Sports Medicine B*
	714A Sports Medicine 2A*	714A Sports Medicine 2A*	714A Sports Medicine 2A*
	714 Sports Medicine 2B*	714 Sports Medicine 2B*	714 Sports Medicine 2B*
		715 Sports Medicine 3*	715 Sports Medicine 3*

### **INTRODUCTION TO SPORTS MEDICINE\***

Course Number: H713

SCED: 14062G0.5018

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: Must obtain a minimum of an 80% in the class.

Introduction to Sports Medicine emphasizes sports medicine, career exploration and the prevention of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and AED use. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, principles of taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course.

### **SPORTS MEDICINE 2\***

Course Number: H714

SCED: 14062G0.5038

Duration: Year – 1.0 Credits

Prerequisite: Introduction to Sports Medicine with a grade of 80% or higher

Additional Information: Must obtain a minimum of an 80% in the class.

Sports Medicine 2 emphasizes the recognition and care of common injuries and illnesses sustained by a physically active population. The subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the concepts of therapeutic modalities and exercise in the care of injuries will be examined. A focus on deeper understanding of body systems and common pathologies will be included. Concepts related to the administrative aspects of the sports medicine program will also be covered. Students will take a more in-depth look at exercise physiology, sports nutrition, as well as strength and conditioning concepts. Students will apply legal and ethical principles through real-world scenarios in various sports medicine settings. Other career roles in sports medicine will be discussed as the Athletic Trainer takes the injured athlete through the pathway of recovery.

### **SPORTS MEDICINE 3\***

Course Number: H715

SCED: 14062G0.5058

Duration: Year – 1.0 Credits

Prerequisite: 714 Sports Medicine 2

Additional Information: Must obtain a minimum of an 80% in the class and have instructors' permission.

Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine course work to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence-based practices affecting the practice of Sports Medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, as well as explore detailed treatment and rehabilitation procedures for common athletic injuries. Students are expected to participate in clinical situations either at school with their athletic department or in an outside clinical setting for real world experience. GENERAL REQUIREMENTS: This course is recommended for students in grade 12. Students must have successfully completed Sports Medicine 1 & 2 with a grade of 80 or higher.

## Welding

<b>Progression Chart for Welding Classes</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
Welding 1A*	Welding 1A *	Welding 1A *	Welding 1A *
Welding 1B*	Welding 1B*	Welding 1B*	Welding 1B*
	Welding 2A: Gen Welding EWC WELD 1700 CC*	Welding 2A: Gen Welding EWC WELD 1700 CC*	Welding 2A: Gen Welding EWC WELD 1700 CC*
	Welding 2B: Gen Welding EWC WELD 1700 CC*	Welding 2B: Gen Welding EWC WELD 1700 CC*	Welding 2B: Gen Welding EWC WELD 1700 CC*

		Welding 3A: GMAW EWC WELD 1773 CC*	Welding 3A: GMAW EWC WELD 1773 CC*
		Welding 3B: GMAW EWC WELD 1772 CC*	Welding 3B: GMAW EWC WELD 1772 CC*
			Welding Fab A
			Welding Fab B

### **WELDING 1\***

Course Number: H615

SCED: 13207G0.5019

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information:

This course will include classroom (25%) and lab experiences (75%) in oxyacetylene welding (OAW), brazing (OAB), and cutting (OAC), shield-metal arc welding (SMAW) and gas-metal arc welding (GMAW) plasma cutting, oxycutting and beveling, metallurgy, and mathematics as applied to the welding industry. This class will focus on the fundamental theories and practices of welding ferrous metals in all positions.

### **WELDING 2: GEN WELDING EWC WELD 1700 CC\***

Course Number: H627

SCED: WELD 1700

Duration: Year – 1.0 Credits

Prerequisite: H615 Welding 1

Additional Information: EWC WELD 1700 - 3 College Credits

This course will include classroom (25%) and lab experience (75%) in flux-cored arc welding (FCAW), gas-tungsten arc welding (GTAW), shielded metal arc welding (SMAW), gas metal arc welding (GMAW), plasma cutting, oxycutting and beveling, metallurgy, and mathematics as applied to the welding industry. This course will place emphasis on enhancing skill development in all seven major welding processes, including building on skills explored in Welding I. This class will focus on the fundamental theories and practices of welding ferrous metals in all positions.

### **WELDING 3: GMAW EWC WELD 1773 CC\***

Course Number: H619

SCED: WELD 1772

Duration: Year – 1.0 Credits

Prerequisite: H615 Welding 1 & H627 Welding 2 with a C or better & GPA 2.0 or better (to receive concurrent credit)

Additional Information: EWC WELD 1772 - 3 College Credits

This course will cover advanced welding problems, theory and practicum, with emphasis directed at AWS D1.1 and ASMA Sec. IX certification standards – limited and unlimited thickness of mid steel and plate with SMAW, GMAW, FCAW, and GTAW. We will also include advanced applications of mathematics, blueprint reading, certification and qualification procedures, advanced welding metallurgy, and fabrication techniques.

### **WELDING FABRICATION A**

Course Number: H613A

SCED:

Duration: Semester 1 – ½ Credit

Prerequisite: Welding 1A & Welding 1B with a C or better

Additional Information:

This course is designed to show students how to put to work their welding skills. Students will build required projects using multiple welding processes from blueprints. When done with required projects students are free to build personal projects that are approved by the instructor. Students are encouraged to build projects large and small from sources such as Pinterest, Miller Welding Projects, Lincoln Arc Welding Projects IV and V etc. Areas covered: SMAW, GMAW, FCAW, TGAW, Plasma Arc Cutting, and Oxy-fuel Cutting.

### **WELDING FABRICATION B**

Course Number: H613B

SCED:

Duration: Semester 2 – ½ Credit

Prerequisite: Welding 1A with a C or better & Welding 1B with a C or better & Welding Fab A

Additional Information:

This course is designed to show students how to put to work their welding skills. Students will build required projects using multiple welding processes from blueprints. When done with required projects students are free to build personal projects that are approved by the instructor. Students are encouraged to build projects large and small from sources such as Pinterest, Miller Welding Projects, Lincoln Arc Welding Projects IV, and V etc. Areas covered: SMAW, GMAW, FCAW, TGAW, Plasma Arc Cutting, and Oxy-fuel Cutting.

### **Woods**

<b>Progression Chart for Woods Classes</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>

629 Woodworking A EWC CNTK 1510/1860/1865 CC*	629 Woodworking A EWC CNTK 1510/1860/1865 CC*	629 Woodworking A EWC CNTK 1510/1860/1865 CC*	629 Woodworking A EWC CNTK 1510/1860/1865 CC*
629 Woodworking B EWC CNTK 1510/1860/1865 CC*	629 Woodworking B EWC CNTK 1510/1860/1865 CC*	629 Woodworking B EWC CNTK 1510/1860/1865 CC*	629 Woodworking B EWC CNTK 1510/1860/1865 CC*
	630 Int. Woods: Cabinetmaking A CNTK 1630 CC*	630 Int. Woods: Cabinetmaking A CNTK 1630 CC*	630 Int. Woods:Cabinetmaking A CNTK 1630 CC*
	630 Int. Woods: Cabinetmaking B CNTK 1630 CC*	630 Int. Woods: Cabinetmaking B CNTK 1630 CC*	630 Int. Woods:Cabinetmaking B CNTK 1630 CC*
		635 Advanced Woods A*	635 Advanced Woods A*
		635 Advanced Woods B*	635 Advanced Woods B*
637 BLDG Construction EWC CNTK 1510 CC*	637 BLDG Construction EWC CNTK 1510 CC*	637 BLDG Construction EWC CNTK 1510 CC*	637 BLDG Construction EWC CNTK 1510 CC*

### **WOODWORKING EWC CNTK 1510/1860/1865 CC\***

Course Number: H629

SCED: CNTK 1860

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: EWC CNTK 1510 – 3 College Credits

EWC CNTK 1860 - 4 College Credits & EWC CNTK 1865 - 4 College Credits

This course is designed to develop individual and group projects through the use of hand and power tools. The students will develop a working knowledge of drawings and their relationships to real objects. Safety will be a vital element of this class. Beginning Woods will be beneficial to both male and female students. Students are responsible for purchasing their own material.

### **INT. WOODS: CABINETMAKING CNTK 1630 CC\***

Course Number: H630

SCED: CNTK 1630

Duration: Year – 1.0 Credits

Prerequisite: Woodworking

Additional Information: EWC CNTK 1630 - 2 College Credits

This is a class that picks up after hand tools and goes through the machine tools. The emphasis will be on precision joinery and quality finishes with time also spent working on the wood lathe and other machine tools. Students are responsible for purchasing their own material.

**ADVANCED WOOD\***

Course Number: H635

SCED: 17006G0.5035

Duration: Year – 1.0 Credits

Prerequisite: 629 Woodworking & 630 Int. Woods: Cabinetmaking & GPA 2.0 or higher

Additional Information:

Advanced Woods will advance individual development of projects and woodworking techniques. Advanced Woods is designed for the student (male or female) with interest in furniture and cabinet making production. Design and planning will be heavily stressed. Students are responsible for purchasing their own material.

**BLDG CONSTRUCTION EWC CNTK 1510 CC\***

Course Number: H637

SCED: 17006G0.5068

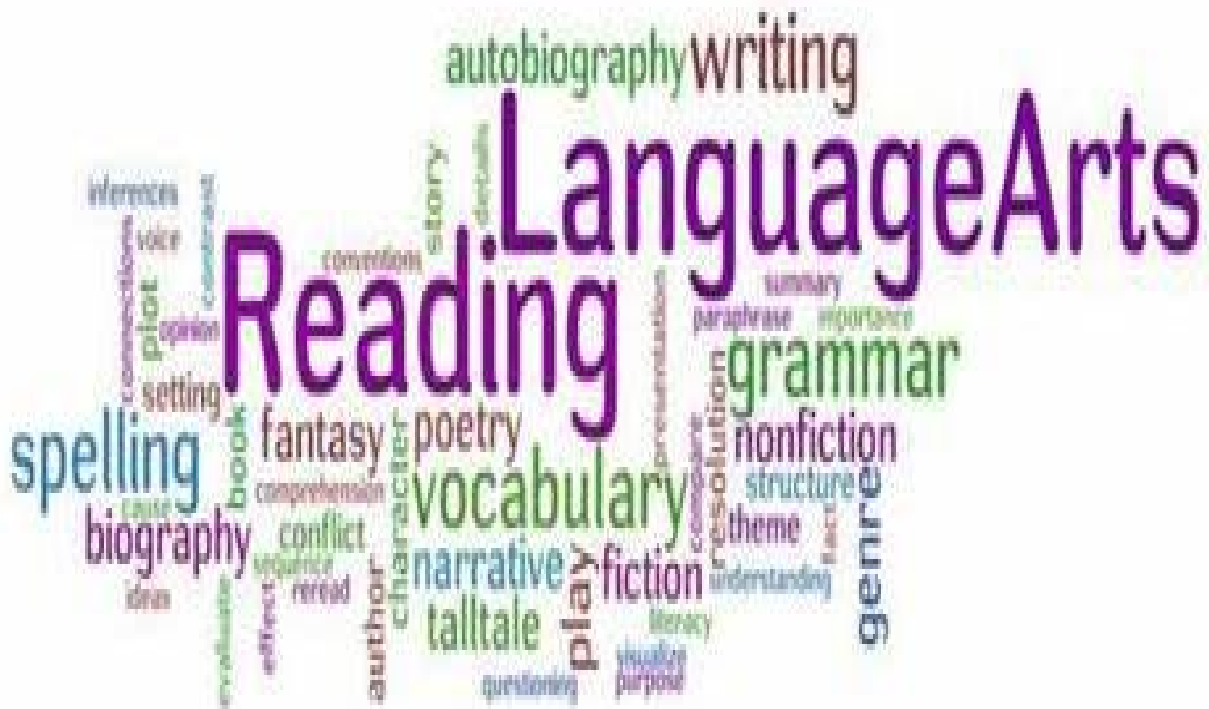
EWC CNTK 1510 – 3 College Credits

Duration: Fall Semester – 0.5 Credits

Prerequisite: GPA 2.0 or better (to receive concurrent credit)

Additional Information: EWC CNTK 1510 – 3 College Credits

This course is designed to give the student a foundational experience with the materials, tools, safety and techniques of the construction industry. Topics include safety, materials, tools, safety and techniques of the construction industry. Topics include safety, material and applications, power and hand tool identification and usage. Students will “learn by doing” in the construction of garages, sheds, dog houses and other structures as well as general home maintenance and repair. Serious students only as safety, good work habits and actual job performance will be stressed, as many of the projects will be done off school grounds. CLASS SIZE IS LIMITED TO 14.



# English Language Arts

Progression Chart for Language Arts Classes - 4 Credits Needed for Graduation			
Grade 9	Grade 10	Grade 11	Grade 12



104 Freshman English*	108 Sophomore English*	154 Junior English*	160 Senior English*
			<b>Or</b>
			<b>EWC College Credit</b>
			^^121 English 1: Composition EWC ENGL 1010 CC*
			^^123 Introduction to Literature EWC ENGL 2020 CC*
			^^125 Public Speaking EWC CO/M 2010 CC*
			^^ Technical Writing EWC TECH 1005 CC*

**Honors English** – Students interested in pursuing Honors English distinction should contact their Language Arts teacher. The Honors distinction is available for Freshman, Sophomore and Junior English.

**^^SENIORS ONLY:** Seniors who qualify for College English will receive 4th year high school credit for successful completion of 2 College English classes providing certain requirements are met.

**NOTE:** The Language Arts Department recommends not more than two classes of Language Arts in the same semester because of the heavy workload in writing assignments and the departmental goal of encouraging outside reading for all classes. In addition, students are required to successfully complete 154 Junior English prior to taking any advanced EWC English courses.

#### **FRESHMAN ENGLISH\***

Course Number: H104

SCED: 01001G1.0015

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: None

This class is designed to challenge a variety of student abilities in Language Arts. It will include a study of Language Arts usage to improve sentence fluency with formal instruction in grammar and vocabulary. The class will study composition techniques necessary for improved writing skills aligned to the Common Core State Standards. The student will also explore an overview of literary forms.

#### **SOPHOMORE ENGLISH\***

Course Number: H108

SCED: 01002G1.0025

Duration: Year – 1.0 Credits

Prerequisite: Freshman English

Additional Information:

Building on the skills developed in Language Arts 9, this course will improve comprehension, enlarge vocabulary, and develop the student's ability to write papers in preparation for upper-level work in

composition. The program covers usage, composition, vocabulary, speaking and listening with all curriculum aligned to the Common Core State Standards.

### **JUNIOR ENGLISH\***

Course Number: H154

SCED: 01003G1.0035

Duration: Year – 1.0 Credits

Prerequisite: 104 Freshman English & 108 Sophomore English

Additional Information:

This is a survey class using selections from American literature and World Literature, and composition techniques necessary for improved writing and research skills. All curriculum is aligned to the Common Core State Standards.

### **SENIOR ENGLISH\***

Course Number: H160

SCED: 01004G1.0011

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information:

This course is designed to extend students' knowledge of all types of literature and media. Students will complete a variety of writing, study film and novels, and look at a variety of other literature. Work will be presented in a variety of formats including writing, presentation, discussion and other group work.

English Language Arts – EWC English and Communication Credits

Seniors who qualify for College English will receive 4th year high school credit for successful completion of College English.

### **ENGLISH 1: COMPOSITION EWC ENGL 1010 CC\***

Course Number: H121

SCED: ENGL 1010

Duration: Semester – 0.5 Credits

COM - 1 credit

Prerequisite: Appropriate Accuplacer score /ACT 18 (English), 2.0 GPA and 154 Junior English with a C or higher.

Instruction, reading, and writing practice in the fundamentals of composition including essay assignments such as expository, argumentative, persuasive, comparison and contrast analysis and research papers.

### **INTRODUCTION TO LITERATURE EWC ENGL 2020 CC\***

Course Number: H123

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: 2.0 GPA and 121 English 1 with C or better

Additional Information: EWC ENGL 2020 - 3 College Credits

COM - 2 credit – May count as English credit or elective depending upon the college you attend.

An introduction to the study of literature such as poetry, fiction, drama, novels, and literary nonfiction. The class will develop skills in written, oral, and digital communication.

### **LITERATURE, CULTURE, AND MEDIA DESCRIPTION**

Course Number:

SCED: ENGL 2020

Duration:

Prerequisite:

Additional Information:

The primary focus of this course is to engage in critical thinking about texts through writing, research, and dialogue with peers and the instructor. Students will learn to respond to texts by recognizing and reflecting on the complex layers in literature including the time period in which they were written and how changes in today's culture are reflected in the interpretations of the texts. Students will strengthen analytical writing skills, especially developing a clear thesis and writing organized, engaging, and well-developed essays. Students will also practice delivering prepared presentations in a natural, confident, and conversational manner.

### **PUBLIC SPEAKING EWC CO/M 2010 CC\***

Course Number: H125

SCED: COM 2010

Duration: Semester – 0.5 Credits

Prerequisite: 2.0 GPA and completion of 154 Junior English with a B or better

Additional Information: EWC CO/M 2010 - 3 College Credits COM - 2 Credit

An introduction to the principles of public speaking, with emphasis on practical skills in communicating to audiences, classes, and groups. The course includes training in manuscript preparation and composition and provides an opportunity to learn the fundamental principles of developing and evaluating public messages within a forum for honing public speaking skills.

### **TECHNICAL WRITING EWC 1005 CC\***

Course Number: H122

SCED: TECH 1005

Duration: Semester – 0.5 Credits

Prerequisite:

Additional Information: EWC TECH 1005

This course focuses on developing the skills needed to write clearly and concisely on the job. Topics include technical definitions, summary preparation, technical reports, memos, and business letters. The course also includes oral presentations, job search preparation, and word processing and e-mail correspondence in business. This course is intended for students in technical programs.

### **WBL**

The WBL program is designed to provide students with “real-world” experience in a chosen career field setting. Hands-on work experience in a setting of interest will help to provide students with invaluable understanding of a chosen career field they decide to pursue.

- Cannot intern with parent/guardian.
- Must have COMPLETED success in workplace, NOT taking it alongside internship.
- Must have internship placement solidified during the previous semester in Success in Workplace.
- Must have a 3.0 GPA junior year or go through an appeals process with presentation.
- If intern has failed WBL before, intern will not be allowed to take WBL again.
- If student did not complete assignments or is not ready to intern by the first day of the second week, students will be removed from WBL and placed in another class.
- If student skips Internship, they will be removed from the program.

## **WBE**

The WBE is designed to help students earn academic credit through work experience with a community business. Students are **required** to take and pass **four classes** in addition to their job assignment.

Students are also required to have taken Success in the Workplace. Work experience sites must be approved by teacher/coordinator. Students are graded on a pass/fail basis for their experience. Students are responsible as well for attaining their own job assignment.

## **COURSE REQUIREMENTS**

- Currently have or attain satisfactory employment during the **entire** semester. If you are terminated or - quit your job, you will have two weeks to seek new employment and must meet with Mrs. Kerkvliet.
- Maintain a passing grade in four required/elective classes.
- Have deficient credits.
- Submission of paycheck stubs (or copies) to Mrs. Kerkvliet for verification of hours worked.

decoration  
theatre multicolored sketchbook  
aesthetics poetry craft vibrant  
media graphic photography abstract beauty digital  
canvas draw gouache individual print palette visual arts computer  
architecture brushstroke sketch color pencil wallpaper visual art  
colorful film art printmaking modern  
creative design composition illustration  
mosaics style music  
imagination mural paint artist creativity  
dance sculpture poster hobby artistic artwork fine brush  
fine arts master

Art

Grade 9	Grade 10	Grade 11	Grade 12
Art 2D 1	Art 2D 1	Art 2D 1	Art 2D 1
Art 3D 1	Art 2D 2	Art 2D 2	Art 2D 2
Art 2D 2	Art 3D 1	Art 2D 3	Art 2D 3
Art 3D 2	Art 3D 2	Art 3D 1	Art 3D 1
	Metal Fabricated Sculpture	Art 3D 2	Art 3D 2
	Independent Art Studio	Art 3D 3	Art 3D 3
		Metal Fabricated Sculpture	Independent Art Studio
		Independent Art Studio	Metal Fabricated Sculpture

**ART 2D - 1**

Course Number: H871

SCED: 05155G0.5012

Duration: Semester - 0.5 Credits

Prerequisite: None

Additional Information: None

Art 2D – 1 is an introductory class that will cover graphite still life drawing, stippling, and painting. The principles and elements of art and color theory will be explored separately throughout various mediums.

**ART 2D - 2**

Course Number:

SCED: 05160G0.5022

Duration: Semester – 0.5 Credits

Prerequisite: Art 2D - 1

Additional Information: None

This course is a continuation of Art 2D –1 that will cover more advanced mediums like drawing, pastels, glass fusing collage, and photography.

**ART 2D 3**

Course Number:

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: Art 2D 2

Additional Information: None

Art 2D 3 is a continuation of Art 2D 2 that will cover more advanced drawing, painting, watercolor, and photo techniques. The principles and elements of art will be explored separately through various mediums.

### **ART 3D - 1**

Course Number: H874

SCED: 05158G0.5012

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: None

Art 3D –1 will provide an introductory study of the sculpting process including the elements and principles of art and design, continuing hand building, sculpting techniques, and surface decoration. Some of the units include dixie cup letters, wire armature, plaster carving, and furniture design maquettes.

### **ART 3D 2**

Course Number: H875

SCED: 05159G0.5022

Duration: Semester – 0.5 Credits

Prerequisite: Art 3D - 1

Additional Information: None

This class is a continuation of Art 3D –1. New sculpting materials and techniques will be introduced, but the class will focus on ceramic sculpting.

### **ART 3D 3**

Course Number: H876

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: Art 3D 2

Additional Information: None

This class is a continuation of Art 3D 3. It is meant for more serious art students who are interested in sculpting.

### **METAL FABRICATED SCULPTURE 1**

Course Number: H877

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: Welding 1A and Art 3D 1

Additional Information:

This class introduces students to the use of metals for sculpting. Students use their basic techniques from welding 1 with the introduction of forming metals to create art. The course combines discussion of metals and wood sculpture history with the exploration of an artist's creative process. Some units will include pencil rod, sheet metal, metal strap, and found objects.

### **INDEPENDENT STUDY - ART**

Course Number: H878

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: Prerequisite is ART 3D – 1 & ART 3D – 2, or ART 2D – 1 & Art 2D – 2

This is a class for students who have exhausted two consecutive art classes. In this course students will choose a challenging subject and media to create an independent project. Students will be required to create 4 well planned art pieces. Students who want to enroll in this class need to get prior permission from the instructor.

### **METAL FABRICATED SCULPTURE 2**

Course Number:

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: Welding 1 & Metal Fabricated Sculpture 1

Additional Information:

This class is a continuation of Metal Fabricated Sculpture 1 and develops student's techniques of welding and forming metal to create art. The course combines discussions of metals and wood sculpture history with the exploration of an artist's creative process with a focus on both abstract and figurative sculpture.

### **INDEPENDENT STUDY – METAL FABRICATED SCULPTURE**

Course Number:

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: Welding 1 & Metal Fabricated Sculpture 1 & Metal Fabricated Sculpture 2

This is a class for students who have exhausted the two-metal fabricated sculpture art classes. In this course students will choose a challenging subject and media to create an independent project. Students will be required to create 3 well planned art pieces. Students who want to enroll in this class need to get prior permission from the instructor.



### Foreign Language

<b>Progression Chart for Foreign Language Classes</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
816 Spanish I*	816 Spanish I*	816 Spanish I*	816 Spanish I*
	818 Spanish II*	818 Spanish II*	818 Spanish II*
		820 Spanish EWC SPAN 1010 CC*	820 Spanish EWC SPAN 1010 CC*
			821 Spanish IV*

#### **SPANISH I\***

Course Number: H816

SCED: 24052G1.0015

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: Open to seniors only with written permission

This course consists of speaking, listening, reading, and writing Spanish at a novice level. Students will learn practical vocabulary so they will be able to carry out simple conversations with other people. Cultural information will include available audiovisual materials, holiday customs, and various activities dealing with culture.

#### **SPANISH II\***

Course Number: H818  
 SCED: 24053G1.0025  
 Duration: Year – 1.0 Credits  
 Prerequisite: 816 Spanish I  
 Additional Information: None

This course is a continuation of Spanish I and is designed to concentrate on expanding the students' vocabulary and grammatical foundations in Spanish. Course materials will include Spanish culture. Students will work on speaking, reading, writing and listening skills.

### **SPANISH EWC SPAN 1010 CC**

Course Number: H820  
 SCED: 24054E1.0035  
 Duration: Year – 1.0 Credits  
 Prerequisite: 816 Spanish I & 818 Spanish II with a B or better  
 Additional Information: EWC SPAN 1010 – 4 College Credits

This course is Spanish III. It offers grammar review and additional grammar points. There is also more emphasis on oral communication and writing. Course materials include Spanish culture and additional vocab.

### **SPANISH IV\***

Course Number: H821  
 SCED: 24055G1.0045  
 Duration: Year – 1.0 Credits  
 Prerequisite: Spanish I, Spanish II & Spanish  
 Additional Information: None

This class will review grammar. It is more of an exploratory class based around literature, art and other cultural aspects from the Spanish speaking world. More emphasis will be placed on oral communication

### **Instrumental Music**

<b>Progression Chart for Band Classes ½ Credit Needed for Graduation</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
801 Jazz Band*	801 Jazz Band*	801 Jazz Band*	801 Jazz Band*
894 Beginning Guitar*	894 Beginning Guitar*	894 Beginning Guitar*	894 Beginning Guitar*
880 Guitar 2*	880 Guitar 2*	880 Guitar 2*	880 Guitar 2*
893 Percussion Ensemble*	893 Percussion Ensemble*	893 Percussion Ensemble*	893 Percussion Ensemble*
892 History of Rock and Roll*	892 History of Rock and Roll*	892 History of Rock and Roll*	892 History of Rock and Roll*

800 Wind Ensemble*	800 Wind Ensemble*	800 Wind Ensemble*	800 Wind Ensemble*
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After school rehearsals and performances are important parts of the grade for all performance classes.

All members of performance classes are members of Marching Band

### **JAZZ BAND\***

Course Number: H801

SCED: 05101G0.0033

Duration: Year – 1.0 Credits

Prerequisite: Audition required by instructor

Additional Information: Members of the Jazz Band must be registered for 800 Wind Ensemble or 896 Concert Band. This is a Performance Class.

The Jazz Band is generally an upper-class course. Upon occasion, freshmen are recommended for membership. The band is patterned, by instrumentation, after the Big Bands of the thirties and forties but plays the styles to the present time. Improvisation, jazz styling, jazz history and literature are covered in this course. Activities include, but are not limited to, concerts, festivals, clinics, professional concerts, seminars and community performances.

### **BEGINNING GUITAR**

Course Number: H894

SCED: 05108G0.5012

Duration: Fall Semester – 0.5 Credits

Prerequisite: None

Additional Information: Non-performance Class

In Guitar 1, students will be introduced to playing the guitar. It is recommended that just beginners take this course or that the student have limited knowledge of the guitar. With the instructor, the student will learn proper playing technique as well as notes, chords, and songs. Although it is not a performance-based class, students will be asked to play alone and in groups for assessment purposes only. Advanced guitar players should choose guitar 2 in the spring semester to progress.

### **GUITAR 2\***

Course Number: H880

SCED: 05108G0.5022

Duration: Spring Semester – 0.5 Credits

Prerequisite: 894 Guitar 1

Additional Information: Performance class

Guitar 2 picks up where guitar one leaves off. We expand upon learned skills and dive further into more technique-based learning. Reading tabs, notation, guitar improvement, and guitar history are all part of this advanced course. Students will learn multiple styles such as jazz, rock, country, and blues. Students will also perform a mini concert in the DHS commons toward the end of the semester. Advanced

students can test into guitar 2 without having to take guitar 1, however this is at the director's discretion.

### **PERCUSSION ENSEMBLE\***

Course Number: H893

SCED: 05106G1.0011

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: Performance Class

Percussion ensemble is for percussion students both advanced and beginner who wish to participate in the band program at Douglas High School. Students who play percussion instruments need to register for this class over Concert Band or Wind Ensemble. This class will provide the fundamentals of percussion technique to both advanced percussion students as well as beginning percussionists. We will explore traditional percussion such as marching and concert, as well as non-traditional, such as trashcan band! Percussionists will perform with the standard bands as well as a spring performance in the DHS commons.

### **HISTORY OF ROCK AND ROLL\***

Course Number: H892

SCED: 05116G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: Non- Performance Class

This class will examine the brief history of Rock and Roll from its roots in jazz and folk music to the progression leading to Elvis, the Beatles, all the way to more modern artists such as the Foo Fighters. Students will be expected to listen to and recognize rock artists by sound and song by the end of the semester and will even give a brief presentation of their favorite rock artist(s) of all time to the class. This is a non-performing class.

### **WIND ENSEMBLE\***

Course Number: H800

SCED: 05101G1.0023

Duration: Year – 1.0 Credits

Prerequisite: Concert Band, transfer student or consent of instructor

Additional Information: Performance Class

This course includes all that is in Freshman Band activities as described above, plus the enrichment opportunities that include but are not limited to music clinics, professional concerts, solo and ensemble festivals, scholarship auditions, and college contact activities. In both the Freshman Band and the Concert Band, at least four different, complete programs are prepared each year.

## Vocal Music

<b>Progression Chart for Vocal Music Classes</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
803 Hamilton Boulevard EWC MUSC 1404 CC*	803 Hamilton Boulevard EWC MUSC 1404 CC*	803 Hamilton Boulevard EWC MUSC 1404 CC*	803 Hamilton Boulevard EWC MUSC 1404 CC*
807 Hamilton Avenue EWC MUSC 1400 CC*	807 Hamilton Avenue EWC MUSC 1400 CC*	807 Hamilton Avenue EWC MUSC 1400 CC*	807 Hamilton Avenue EWC MUSC 1400 CC*
810 Music Tech	810 Music Tech	810 Music Tech	810 Music Tech
898 Musical Theatre*	898 Musical Theatre*	898 Musical Theatre*	898 Musical Theatre*
809 Men's Choir*	809 Men's Choir*	809 Men's Choir*	809 Men's Choir*
	805 Hamilton Express EWC MUSC 1404 CC*	805 Hamilton Express EWC MUSC 1404 CC*	805 Hamilton Express EWC MUSC 1404 CC*
Exceptions can be made to any of the above			

**Auditions in the early spring of each school year will place the students in one of the four choirs listed below for the following school year. Students may take more than one of the choirs simultaneously if their schedule allows. All placements will be by the director and mutual approval of a school counselor.**

### **HAMILTON BOULEVARD EWC MUSC 1404 CC\***

Course Number: H803

SCED: MUSC 1404

Duration: Year – 1.0 Credits

Prerequisite: Members must be registered in one of the following choirs: 807 Hamilton Avenue or 805 Hamilton Express

Additional Information: 16 Members Max

EWC MUSC 1400 – 1.0 College Credit

This select voice choir will audition in spring semester for the following year. Many out of school performances will be required throughout the year. Vocal jazz standards, vocal improvisation, theory, ear training and sight-reading will be studied.

### **HAMILTON AVENUE EWC MUSC 1400 CC\***

Course Number: H807

SCED: MUSC 1400

Duration: Year – 1.0 Credits

Prerequisite: Auditions

Additional Information: 50 Members

EWC MUSC 1404 – 1.0 College Credits

Entrance into this **select girls' choir** will be by audition from the previous spring semester. Enrollment will be limited to 50 singers for this choir, and performances outside of the school day will occur during each semester. Students in this group will perform at concerts in the fall and spring and participate in the District Festival. Repertoire will consist of all types of choral literature.

### **MUSIC TECH**

Course Number: H810

SCED: 05148G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: Consent of instructor

Additional Information: None

Students will learn the technical aspects of musical production, including lights, sound, set design and construction. Students will be scheduled to apply their learning both in and out of class for school and non-school related activities. Students will receive monetary compensation for work done outside of class on non-school activities in the auditorium.

### **MUSICAL THEATRE\***

Course Number: H898

SCED: 05052G1.0011

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: 50 Members

This course is for the student that is interested in Musical Theatre – both on stage and “behind the scenes.” Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes from the Broadway genre. In addition to performing and producing, students will learn the historical and cultural significance of various Broadway musicals. All students are expected to both perform and direct/produce. Performances will be both in-class and “main-stage” productions.

### **MEN'S CHOIR\***

Course Number: H809

SCED: MUSC 1400

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information: 50 Members Max

This choir will be open to all grades in high school. Admission to this group will be by audition during the previous semester or upon entrance to Douglas High School for transfer students. Performances outside of the school day will occur during each semester. Students in this group will perform at concerts in the fall and spring. Repertoire will consist of all types of choral literature.

### **HAMILTON EXPRESS EWC MUSC 1404 CC\***

Course Number: H805

SCED: MUSC 1404

Duration: Year – 1.0 Credits

Prerequisite: 2.0 GPA

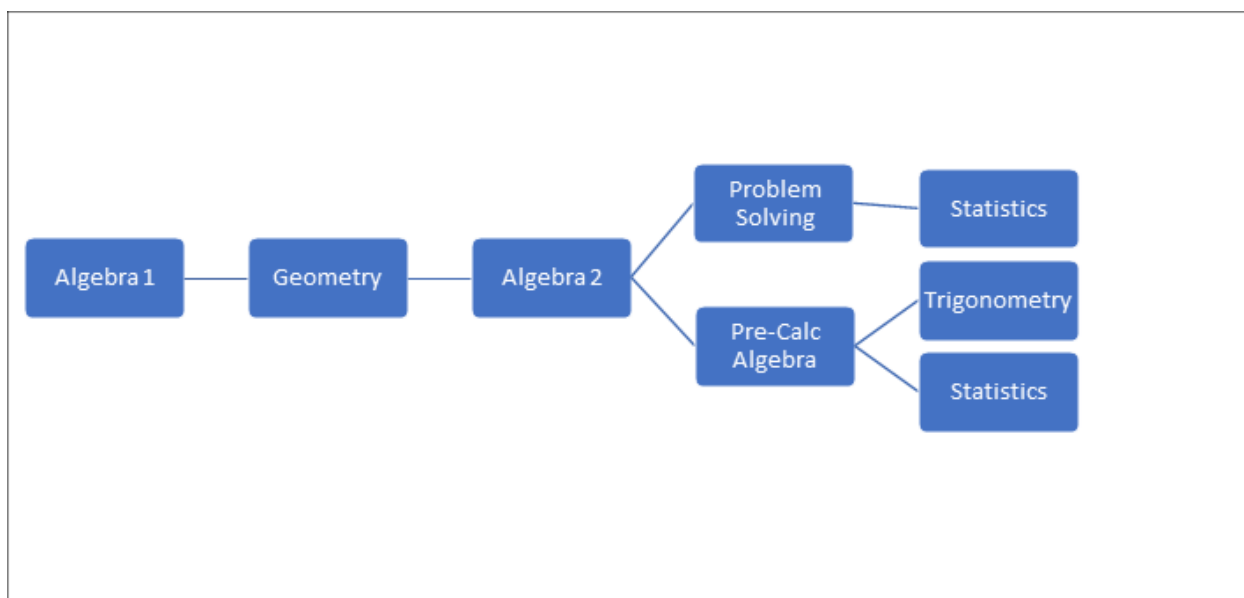
Additional Information: EWC MUSC 1400 – 1 College Credit  
50 members

Auditions each semester are required to gain entry into this ensemble. All school performances as well as out-of-school concerts will be required for this ensemble.

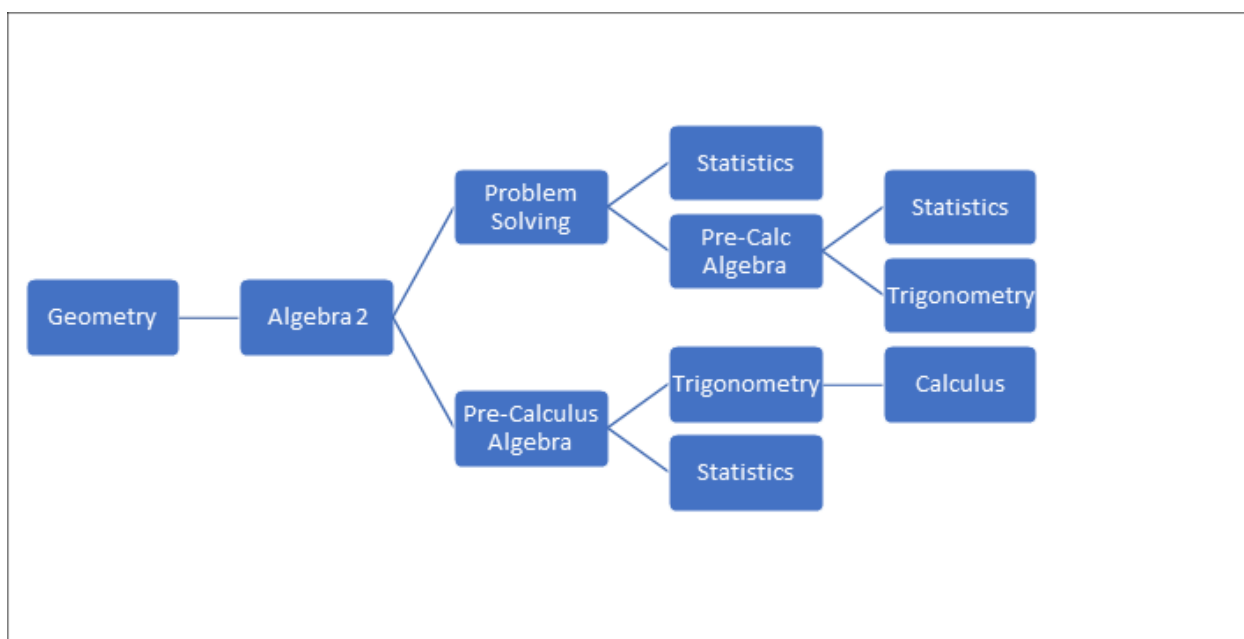
The choir is made up of sophomore to senior class members. Only under rare circumstances will incoming freshman be allowed admittance into this group. Students in this group will perform at concerts in the fall and spring and participate in the District Festival, as well as many out of school trips and performances. Repertoire will consist of all types of choral literature.

## Starting 9<sup>th</sup> grade with Algebra 1





**Starting 9<sup>th</sup> grade with Geometry**



**All 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> grade students will be enrolled in a math class.**

**Students must complete 3 years of math at high school to meet graduation requirements.**

**CC = Concurrent College Course**

#### **ALGEBRA I\***

Course Number: H318

SCED: 02052G1.0013

Duration: Year -- 1.0 Credits

Prerequisite: None

Additional Information: None

This full year course covers the real number system, and algebraic equations, inequalities, and graphing. Both linear and quadratic equations are used extensively in problem solving. 318 Algebra I is required as a prerequisite for 322 Geometry and 320 Algebra II.

### **GEOMETRY\***

Course Number: H322

SCED: 02072G1.0023

Duration: Year – 1.0 Credits

Prerequisite: D or better in 318 Algebra I

Additional Information: None

This full year course will cover the fundamental topics of geometry including tools of geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, quadrilaterals, similarity, right triangles, transformations, circles, surface area and volume of three-dimensional figures.

### **ALGEBRA II\***

Course Number: H320

SCED: 02056G1.0016

Duration: Year – 1.0 Credits

Prerequisite: D or better in 322 Geometry or 324 Basic Geometry

Additional Information: None

This course is for one year and is a continuation of the material from 318 Algebra I with an emphasis on topics needed for advanced math courses. Algebra II is essential in mathematics, science, engineering, statistics, electronics, and other related fields. This is necessary for a college bound curriculum.

### **ALGEBRA III EWC MATH 920/930\***

Course Number: H306

SCED: 02057G1.0033

Duration: Year – 1.0 Credits

\*Prerequisite: Algebra II, ACT Math Score of 19-20 or Acceptable Accuplacer score to receive concurrent credit

Additional Information: EWC Math 920, EWC Math 930

**Elementary Algebra (EWC 920):** This course is a one semester beginning course in Algebra. Basic concepts of algebra will be studied, including real numbers, linear, quadratic, and rational equations with emphasis placed on solving “word” or “story” problems.

**Intermediate Algebra (EWC 930):** This course is basic techniques and skills of algebra with applications. Topics include solving linear equations and inequalities, quadratic equations, rational expressions, factoring, exponents, graphing linear equations and conic sections and an introduction to functions and logarithms.

### **PRE-CALCULUS ALGEBRA EWC MATH 1400 CC\***

Course Number: H346

SCED: MATH 1400

Duration: Fall Semester – 0.5 Credits

Prerequisite: 320 Algebra II and GPA 2.0 or better with ACT MATH score of 23 or acceptable Accuplacer score to receive concurrent credit or Successful Completion of 306 EWC MATH 930 with a grade of "C" or better.

Additional Information: EWC MATH 1400 – 4 College Credits

Pre-Calculus Algebra is an advanced course covering advanced algebra topics. Algebraic equations and inequalities are studied as well as the following functions: polynomial, rationales, exponential and logarithmic. Emphasis is placed on graphing relations and functions.

### **PRE-CALC/TRIGONOMETRY EWC MATH 1405 CC\***

Course Number: H341

SCED: MATH 1405

Duration: Spring Semester – 0.5 Credits

Prerequisite: Pre-Calculus Algebra and GPA 2.0 or better with ACT MATH score of 25 or acceptable Accuplacer score.

Additional Information: EWC - 3 College Credits

The following concepts will be explored and studied in this course: 1. Triangular and circular forms of the six basic Trigonometric functions. 2. Solving triangles using the basic Trigonometric functions. 3. Trigonometric identities will be used to expand the properties of the Trigonometric functions and aid in graphing. 4. Students will learn to graph Trigonometric functions both by the rectangular and polar methods. 5. Complex numbers and their operations will also be explored. This course is needed by anyone who must take math classes above Elementary Algebra at any college.

### **FUND OF STATISTICS EWC STATS 2050 CC\***

Course Number: H328

SCED: STATS 2050

Duration: Spring Semester – 0.5 Credits

Prerequisite: 348 Math Analysis/Problem Solving or 346 Pre-Calculus Algebra and GPA 2.0 or better to receive concurrent credit.

Additional Information: EWC STATS 2050 - 4 College Credits

This class is being offered to give the student a general background in the basic ideas of Statistics and Probability. The areas that will be covered are: 1. Collecting and organizing data. 2. Sampling methods. 3. Numerical summaries of data. 4. Odds and probabilities. 5. Normal curves and their properties. 6. Areas and percentiles. 7. How these apply to standardize test and the scores people receive. This class will be useful to any student planning to go to College after High School as most schools now require at least one course in this area to earn a degree.

### **MATH ANALYSIS/PROBLEM SOLVING EWC MATH 1000 CC\***

Course Number: H348

SCED: MATH 1000

Duration: Fall Semester – 0.5 Credits

Prerequisite: Algebra II and GPA 2.0 or better with ACT MATH score of 21 or acceptable Accuplacer score to receive concurrent credit.

Additional Information: EWC MATH 1000 - 3 College Credits

This course is designed for students interested in non-mathematical careers and will fulfill basic mathematic requirements at many colleges and universities. This course provides students with the mathematical and logical skills needed to formulate, analyze, and interpret quantitative arguments in a variety of settings. Statistics are introduced and the use of the calculator is stressed in the course. Topics include set theory, logic, number systems and statistics. **This course is only for seniors.**

**CALCULUS EWC MATH 2200 CC\***

Course Number: H345

SCED: 02121E1.0066

Duration: Year – 1.0 Credits

Prerequisite: Algebra II, 341 Pre-Calc/Trigonometry and GPA 2.0 or better (to receive concurrent credit)

Additional Information: EWC MATH – 5 College Credits

Calculus is an advanced course covering trig, analytical geometry, functions, graphs, and the basic elements of calculus. These are derivatives, integral, solving problems which deal with three dimensional volumes, areas, and linear functions.



**All elective Physical Education classes can only be repeated if the student has received an A the prior semester unless you have written permission by the instructor.**

**Intro to PE (*option 1*)**

Course Number: H009

SCED: 08001G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None - required for graduation

Additional Information: None

Introduction to Physical Education is designed to give students exposure to a variety of physical activities. The class will encompass Team Sports, Individual/Dual Activities, Lifetime Activities, and Rhythm Activities. Students will also assess and analyze a personal fitness plan. This class will fulfill all state standards for physical education.

**HEALTH (*option 1*)**

Course Number: H18

SCED: 08051G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None - required for graduation

Additional Information: None

This class will emphasize wellness, which includes healthy lifestyles, nutrition, body systems, mental health, alcohol, tobacco and other drugs, sex education, and the importance of physical exercise.

**PE1 / HEALTH (*option 2*)**

Course Number: H90542

SCED: 08052G0.5012

Duration: Year – 1.0 Credits

Prerequisite: Will meet Intro to PE and Health requirements

Additional Information: None

This course will be team taught by the Physical Education Department. This course will fulfil all requirements for PE1 and Health. Students will rotate between Physical Education and Health activities throughout the year. Health will emphasize wellness, which includes healthy lifestyles, nutrition, body systems, mental health, alcohol, tobacco and other drugs, sex education, and the importance of physical exercise.

**PE2 EWC PEAC 1000**

Course Number: H1000

SCED: 08004G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: 009 PE1 or 90542 PE1/Health - Students must earn an A to repeat this course.

Additional Information: EWC PEAC 1008 – 1 College Credit

This class is a choice based Physical Education class that combines Lifetime Sports, Team Sports, Outdoor Education, and Individual Fitness. Students will have a choice from 3 types of activities every 3

weeks. This class will be team taught by the Physical Education Department and will offer multiple choices for students to choose from throughout the semester. This course can be repeated if the student receives an A in the prior semester. Students can only receive concurrent credit for this course once.

### **WEIGHTS EWC PEAC 1273**

Course Number: H055

SCED: 08009G0.5013

Duration:

EWC PEAC 1273 - 1 College Credit

Grades 9-12

One Semester - ½ Credit

Prerequisite: None, students must earn an A to repeat this course

This class is designed for the beginning or advanced weightlifter. Emphasis will be placed on developing muscular strength and power. This class is designed for all students as well as student athletes. Individualized programs will be developed (sport specific) with considerations of in-season training and out-of-season training. Students will also participate in speed, agility, and plyometric exercises. This class is geared toward improving overall strength for individual needs as well as athletic performance. This course can be repeated if the student received an A in the prior semester. Students can only receive Concurrent Credit for this course once.

### **LIFETIME SPORTS**

Course Number: H050

SCED: 08016G0.5011

Duration: Semester 2 – ½ Credit

Grades: 10-12

Prerequisite: H009 Intro to PE or H90542 PE1/Health

Lifetime Sports provides students with knowledge, experience, and an opportunity to develop skills in more than one lifetime recreational sport or dual sport. Students receive a brief introduction to a variety of individual and dual sports. Enjoy activities such as pickleball, badminton, tennis, raquetball, archery, yoga, bowling, spikeball, frisbee golf, and individual fitness activities. Lifetime Sports is a less competitive atmosphere.

### **OUTDOOR ED 1**

Course Number: H045

SCED: 08049G0.5012

Duration: One Semester – ½ Credit

Prerequisite: H009 Intro to PE or H90542 PE1/Health

Outdoor Ed 1 provides students with knowledge, experience, and an opportunity to develop skills in more than one outdoor recreational sport or outdoor pursuits. Students will be exposed to activities such as: fly fishing, fly tying, canoeing, water safety, archery, orienteering (map and compass skills), rock climbing, rappelling and ice skating.

analysis  
development health substance  
education microbiology adult  
lab clinic technology tube woman  
laboratory science medical  
microscope analyzing chemist  
**scientist**  
experiment chemistry  
person scientific  
biotechnology research medicine  
sample biology chemical test discovery  
study doctor biochemistry equipment  
people professional  
pharmaceutical



## Science

Progression Chart for Science Classes - 3 Credits Needed for Graduation			
Grade 9	Grade 10	Grade 11	Grade 12
402 Integrated Science I*	412 Biology I*		
		413 Chemistry I*	413 Chemistry I*
			427 Principles of Biology EWC BIOL 1000 CC*
			435 Introduction to Anatomy*
		414 Physics*	414 Physics*
			405 Forensic Science*
			Chemistry II*

All students will be required to take and pass three different science classes for graduation from Douglas High School.

### CC = Concurrent DHS/EWC College Classes

Students wishing to take college classes at DHS need to plan on taking these classes during their senior year. The three science classes for high school graduation should be met before starting college classes to aid each student's success. Our college classes are designed for every hour in class you will need to spend two hours outside of class studying.

#### **INTEGRATED SCIENCE I\***

Course Number: H402

SCED: 03201G1.0014

Duration: Year – 1.0 Credits

Prerequisite: None

Additional Information:

A full year course dealing with basic concepts of Biology, Chemistry, Physics and Earth Science. This class is for freshmen.

#### **BIOLOGY I\***

Course Number: H412

SCED: 03051G1.0024

Duration: Year – 1.0 Credits

Prerequisite: 402 Integrated Science I

Additional Information: None

This is an introductory life science course. Included in the program is the use of enrichment materials, along with the basic texts, various videos, computers, the Internet, magazines, pamphlets and experiments. This is a lecture, lab-oriented course for sophomores. In order to move on to Chemistry 1 or Environmental Science a student must pass both semesters of Biology.

### **CHEMISTRY I\***

Course Number: H413

SCED: 03101G1.0034

Duration: Year – 1.0 Credits

Prerequisite: Must have passed both semesters of 402 Integrated Science I and 412 Biology to enroll. Students must have passed 318 Algebra I and 320 Algebra II or be currently enrolled in 320 Algebra II. Exceptions will be granted by special permission from the instructor, school counselor, and parent(s) along with the successful passing of a math placement exam.

Additional Information: None

This is a one-hour chemistry class for those students interested in learning about the chemical nature of science. Students will be conducting labs and developing their research skills. Topics to be covered include the atom, Periodic Table, writing chemical formulas and names, arranging chemical equations, balancing chemical equations, acids and bases, and other inorganic and organic topics. This class is recommended for college bound juniors.

### **PRINCIPLES OF BIOLOGY EWC BIOL 1000CC\***

Course Number: H427

SCED: BIOL1000

Duration: Year - 1.0 Credits

EWC BIOL 1000 - EWC 4 credits

Prerequisite: Successful completion of 402 Integrated Science I, 412 Biology and 413 Chemistry I.

Additional Information: EWC BIOL 1000 – EWC 4 Credits

Biology II is a lecture-lab oriented advanced course in life science. Emphasis is placed on in-depth studies in the fields of human biology, genetics, and ecology. Lab write-ups will be emphasized. This class is for college bound seniors.

### **AP PHYSICS\***

Course Number: H414

SCED: 03156G1.0044

Duration: Year – 1.0 Credits

Prerequisites: 402 Integrated Science I, 412 Biology and enrolled or completed 341 Pre Calc/Trigonometry.

Additional Information: None

Physics is concerned with the relationship between matter and energy. The ultimate goal of physics is to explain processes and particles in terms of simple interactions and simple particles. This is an introductory course, which deals with such natural phenomena as: motion, force, work, power. Waves, sound, light, and electricity may be touched upon. Emphasis is placed upon concepts and their related math operations.

### **INTRODUCTION TO ANATOMY\***

Course Number: H435

SCED: 03054G0.5011

Duration: Semester – 0.5 Credits

Grade 12

One Semester - ½ Credit

Prerequisite: None

This course provides a comprehensive study of the anatomy of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, nervous systems and special senses.

### **FORENSIC SCIENCE\***

Course Number: H405

SCED: 03214G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None

Introduction to the application of scientific methods for the examination of physical evidence in the criminal justice system; an overview of the forensic analysis of, fingerprints, blood, hair, fibers, paint, glass, arson debris, etc.

### **CHEMISTRY II\***

Course Number: H428

SCED: 03102G0.5012

Duration: Year - 1.0 Credits

Prerequisite: Chemistry I

This course is taken after a comprehensive initial study of chemistry. This course will cover chemical properties and interactions in more detail. Chemistry II topics include acids and bases, chemical reaction equilibrium, kinetic theory, organic chemistry, thermodynamics, electrochemistry, macromolecules, and nuclear chemistry.





		218 US to 1865 EWC HIST 1211 CC*	210 American & WY Govt. EWC POLS 1000 CC*
	World Studies II	203 U.S. History from 1865  Or 219 US from 1865 EWC HIST 1221 CC*	
<b>Progression Chart for Social Studies Elective Classes</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
236 Street Law*	236 Street Law*	236 Street Law*	236 Street Law*
History of the US West	History of the US West	238 Social Problems EWC SOC 1100 CC*	238 Social Problems EWC SOC 1100 CC*
		231 Psychology*	231 Psychology*
		History of the US West	History of the US West
Genealogy and Family History	Genealogy and Family History	Genealogy and Family History	Genealogy and Family History
	Intro to Sociology 1000 CC*	Intro to Sociology 1000 CC *	Intro to Sociology EWC 1000 CC *

### **CIVICS\***

Course Number: H204

SCED: 04161G0.5016

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: None

Students will learn about the rights and responsibilities of United States citizenship, the historical development of the United States Constitution and the Bill of Rights, and its fundamental principles.

### **WESTERN CIVILIZATION\***

**Discontinued fall 2022**

Course Number: H240

SCED: 04063G0.5036

Duration: Semester - 0.5 Credits

Prerequisite: None

Additional Information: None

This course surveys Western civilizations from Greco-Roman times to the Renaissance and Reformation. It reviews the basic chronology of Western civilizations while focusing on the major events and problems of Western history including political, social, cultural, and economic development.

### **WORLD STUDIES I**

**Course Number:**

SCED: 04051

Duration: Semester – 0.5 Credits

Prerequisite: None

World Studies I is a course committed to various topics in World History, from ancient civilizations through the modern era. As we study history, we will focus on the geography, politics, economics, and religions of the peoples and groups around the world.

**WORLD STUDIES II****Course Number:**

SCED:

Duration: Semester – 0.5 Credits

Prerequisite: None

World Studies II is a course committed to various topics in World History, from ancient civilizations through the modern era. As we study history, we will focus on the geography, politics, economics, and religions of the peoples and groups around the world.

**STREET LAW\***

Course Number: H236

SCED: 04165G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: None

This class focuses on the practical knowledge of the American legal system. Emphasis is placed on the areas of criminal law, civil law, and juvenile justice. Reading skills are important for success in this class.

**U.S. HISTORY TO 1865\***

Course Number: H202

SCED: 04102G0.5046

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: None

This is a general course, which reviews the history of the United States from the colonial period to 1865. Emphasis is placed on the important events and personalities that shaped our nation's heritage.

**U.S. HISTORY FROM 1865\***

Course Number: H203

SCED: 04103G0.5056

Duration: Semester 0.5 Credits

Prerequisite: None

Additional Information:

This is a general course, which reviews the history of the United States from 1865 to the present. Emphasis is placed on the important events and personalities that shaped our nation's heritage.

**US to 1865 EWC HIST 1211 CC\***

Course Number: H218

SCED: HIST 1211

Duration: Semester – 0.5 Credits

Prerequisite: GPA 2.7 or better and instructor approval

Additional Information: EWC History 1211 - 3 College Credits

This is a general survey course, which reviews the United States' history from the colonial period to 1865. Emphasis is placed on the important events and personalities that shaped our nation's heritage. This course meets the requirements of the Wyoming statutes providing instruction in the provisions and principles of the United States and Wyoming constitutions.

**US from 1865 EWC HIST 1221 CC\***

Course Number: H219

SCED: HIST 1221

Duration: Semester – 0.5 Credits

Prerequisite: GPA 2.7 or better and instructor approval

Additional Information: EWC HIST 1211 - 3 College Credits

This is a general survey course that reviews the United States' history from 1865 to the present. Emphasis is placed on the important events and personalities that shaped our nation's heritage. This course meets the requirements of the Wyoming statutes providing instruction in the provisions and principles of the United States and Wyoming constitutions.

**SOCIAL PROBLEMS EWC SOC 1100 CC\***

Course Number: H238

SCED: 04064G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: Intro to Sociology, GPA 2.7 or better and instructor approval

Additional Information: EWC SOC 1100 - 3 College Credits \*\*\*

Students will study current economic, political, social, and cultural problems, and explore how ongoing conflicts affect groups as well as individuals. Emphasis is upon America as a dynamic society in the 21st century, witnessing changes involving community, state, nation, and world.

**PSYCHOLOGY\***

Course Number: H231

SCED: 04254G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None

Additional Information: None

This course will cover history, psychological methods, biology and behavior, sensation and perception, consciousness learning methods, memory, thinking and language, and how intelligence is measured. It will also cover infancy and childhood, adolescence, adulthood behaviors, motivations and emotions, theories and personality, psychological test, gender roles, psychological disorders, methods of therapy and social interactions.



**AMERICAN & WYOMING GOVERNMENT\***

Course Number: H209

SCED: 04151G0.5066

Duration: Semester - 0.5 Credits

Prerequisite: None

Additional Information: None

An introductory course emphasizing the basic structure and practices of United States and Wyoming government

**AMERICAN & WY GOVT EWC POLS 1000 CC\***

Course Number: H210

SCED: POLS 1000

Duration: Semester – 0.5 Credits

+Prerequisite: GPA 2.7 or better and instructor approval

Additional Information: EWC POLS 1000 - 3 College Credits

An introductory course emphasizing the basic structure and practices of United States and Wyoming governments.

**HISTORY OF THE US WEST**

Course Number: H220

SCED: 04105G0.5011

Duration: Semester – 0.5 Credits

Prerequisite: None

This course examines the history, politics, economics, society, and/or cultures of the west and Wyoming. Students will be expected to understand the main themes in the state's history as well as to recognize the context in the wider national/international perspective.

**INTRODUCTION TO SOCIOLOGY EWC SOC 1000 CC\***

Course Number:

SCED: 04-258

Duration: Semester – 0.5 Credits

Prerequisite:

This course is an introduction to sociology as a way of understanding the world. Sociology is a field of study that explains social, political, and economic phenomena in terms of social structures, social forces, and group relations. The course will introduce students to the field by focusing on several important sociological topics, including socialization, culture, the social construction of knowledge, inequality, race and ethnic relations, poverty, and political sociology

**GENEALOGY AND FAMILY HISTORY**

Course Number:

SCED: 04-097

Duration: Semester – 0.5 Credits

Prerequisite:

Students will learn and practice research methods to construct a project based upon their family genealogy. Genealogy is one of the fastest growing hobbies in the United States. According to some experts, nearly 75% of Americans are interested in discovering their family history. There are many reasons for this: some people are interested in learning more about their heritage, others want to preserve their family's history for future generations, while still others become involved as a means of spending time with older relatives. Whatever the reason, based on the number of books, web sites, and software programs devoted to this topic, there is widespread interest that continues to grow.

While taking on the task of researching your family tree can appear – and in many cases actually be – a daunting task, it is far from impossible. Thanks to the increasing availability of information online, genealogy is now. In this course, we will present tips and strategies for beginning the process of constructing your family tree. In addition to describing the various records and sources available for finding information, we will help you to understand some basic genealogy terms and tools. We will also discuss the steps that you can take to permanently preserve your family's records and history. Students will create their own family history project to present as a final project.

### Non-Discrimination Statement

This district is committed to a policy of nondiscrimination in relation to race, color, national origin, sex, sexual orientation, gender identity, transgender status, age, disability, and religion. This policy should prevail in all matters concerning staff, students, education programs and services and individuals with whom the school district does business.

The school staff should establish and maintain an atmosphere in which students can develop attitudes and skills for effective, cooperative living, including:

- a. Respect for the individual regardless of economic status, intellectual ability, race, color, national origin, sex, sexual orientation, gender identity, transgender status, age, disability, or religion;
- b. Respect for cultural differences;
- c. Respect for economic, political, and social rights of others;
- d. Respect for the rights of others to seek and maintain their own identities.

The school district, in keeping with the requirements of state and federal law, will strive to remove any vestige of prejudice and discrimination in employment, assignment and promotion of personnel; in location and use of facilities; in educational offerings and instructional materials.

All employees, students and community members are hereby notified that this district does not discriminate on the basis of sex in educational programs receiving federal or state financial assistance and that it does intend to comply with Title IX of the educational amendments of 1972 and as subsequently amended. Any student or their parent, or employee who has a complaint relating to sexual discrimination, sexual harassment, or Title IX, is referred to policy ACA and the procedures set forth therein.

The district shall strive to inform students, parents, employees, and the general public that all educational programs, specifically including vocational opportunities, are offered without regard to race, color, national origin, sex, sexual orientation, gender identity, transgender status, age, disability or religion. In order to accomplish this, a statement of nondiscrimination shall be included in the faculty and student handbooks, if any, and shall be published at least once a year in a newspaper of general circulation in the district. The notice shall include a reference to the person and the address and telephone number of the staff member designated to coordinate civil rights compliance. For purposes of this district, that person shall be the Human Resource Director (*designate the office, such as Superintendent, for the person who will be the Civil Rights Compliance Officer*).

*All students shall be permitted to enroll in vocational educational programs as well as other school*

*programs without consideration of their race, color, national origin, sex, sexual orientation, gender identity, transgender status, disability, or religion. To the extent that a prerequisite class may be required before admission, such prerequisite class shall be open to students on a nondiscriminatory basis. No student shall be denied admission on account of their limited English language skills.*

*Counselors shall not use counseling materials and activities or promotional and recruitment efforts that discriminate in any manner and counselors shall not direct or urge any student to enroll in a particular class program on account of that student's race, color, national origin, sex, sexual orientation, gender identity, transgender status, disability, or religion. All students shall have equal opportunities available to participate in cooperative education, work study, and apprenticeship training programs either now offered or which may be offered in the future.*

*All employees of this district shall be hired, retained, promoted, transferred, compensated or, if necessary, terminated without regard to their race, color, national origin, sex, sexual orientation, gender identity, transgender status, age, disability or religion.*

*Students with disabilities shall be admitted and given equal access to programs and shall not be denied access to vocational education programs or other courses because of architectural or equipment barriers or because of the need for related services or auxiliary aids to the extent reasonable to accommodate the disabled. To the extent possible, disabled individuals shall be placed in regular vocational education programs and education courses.*

