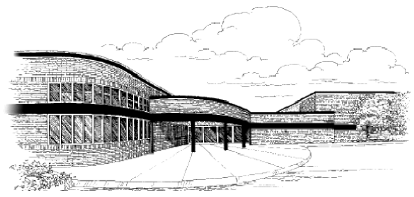
Elk Point-Jefferson High School



Curriculum Offerings

Courses Offered	Credits	Courses Offered	Credits	Courses Offered	Credits
COMPUTER SCIENCE		**FOREIGN LANGUAGE**		**SOCIAL SCIENCE**	
Foundations of Technology (S1)	1/2	Spanish I	1	World History	½ or 1
Multimedia Design (S2)	1/2	Spanish II	1	World Geography	1
Digital Productions (S1 OR S2)	1/2	World Cultures	½	Modern United States History	1
Introduction to Technology Ed. I (SI)	1/2	**CTE ARCHITECTURE & CONSTRUCTION & CTE MANUFACTURING**		United States Government	1/2
Introduction to Technology Ed. II (S2)	1/2	Intro. to Arch. & Construction 1/II	1/2	Economics	1/2
ENGLISH		Cabinetry I/II	1/2	Officiating (S1)	1/2
English I	1	Welding Technology (S1)	1/2	Psychology (S2)	1/2
English II	1	Adv. Welding Technology (S2)	1/2	Sociology (S1)	1/2
English III /Honors English III	1	Welding Fabrication I, II, III, IV	1/2	Criminal Justice (S2)	1/2
English IV / Honors English IV	1	Building Trades (full year)	1	**MISCELLANEOUS**	
		MATHEMATICS		Networking Systems	½ or 1
PHYSICAL EDUCATION	1	Algebra I	1		
Strength and Conditioning	1/2	Algebra II	1	**DISTANCE EDUCATION**	
Life Fitness	1/2	Accelerated Algebra II	1	AP Physics B	1
Recreational Fitness	1/2	Geometry	1	AP English Language & Comp.	1
FINE ARTS		Accelerated Geometry	1	AP English Literature & Comp.	1
Newspaper (1 Year)	1/4	Pre-Calculus	1	AP Biology	1
Yearbook (1 Year)	1/4	Probability and Statistics (S1)	1/2	AP Statistics	1
Band	1/2	Calculus (S2)	1/2	AP US History	1
Jazz Band (1 Year) or Swing Choir (1 Year)	1/4			AP Calculus AB	1
Chorus	1/2	**SCIENCE**		AP Chemistry	1
Creative Art I	1/2	Physical Science	1	College Prep Physics	1
Creative Art II	1/2	Biology	1	Spanish III	1
Creative Art: Drawing (S1)	1/2	Chemistry	1	**APEX**	1/2
Mixed Media (S2)	1/2	Ecology	1	ODY: Health	1/2
Visual Arts - Paint (S1)	1/2	Biology: Advanced Studies	1		
Ceramics (S2)	1/2	Physics	1	**VIRTUAL HIGH SCHOOL COURSES**	
Illustration (S1)	1/2	Advanced Chemistry	1	**DUAL CREDIT CLASSES**	
Graphic Design (S2)	1/2				
Music Appreciation (can take 1, 2 or both)	1/2	***Note: 1/2 credit courses meet for one semester; 1 credit courses meet for one year.** **A complete listing of course descriptions is included in this document on the following pages.**			

Elk Point-Jefferson Graduation Requirements				
	***Base Requirements**	***Advanced Career Endorsement**	**Advanced Endorsement**	**Advanced Honors Endorsement**
English 4 credits	English-4 credits English, I, II, III, IV	English-4 credits English, I, II, III, IV	English-4 credits English, I, II, III, IV	English -4 credits English, I, II, III, IV
Science 3 or 4 credits	Science-3 credits Path A: Physical Science, Biology, Ecology	Science-3 credits or 4	Science-3 credits Path A: Physical Science, Biology, Ecology Path B: Physical Science, Biology, Chemistry Path C: Physical Science, Biology, Physics	Science-4 credits Path A, B or C plus another year of Science: Ecology, Chemistry, CHEM 106/Adv Chemistry, Physics, Biology Advanced Studies
Math 3 or 4 credits	Math-3 credits Path A: Algebra I Part I, Algebra I Part II, Geometry	Math – 3 credits or 4	Math-3 credits Path B: Algebra I, Geometry, Algebra II Path C: Algebra I, Accelerated Algebra II, Accelerated Geometry	Math-4 credits Path D: Algebra I, Accelerated Algebra II, Accelerated Geometry, Pre-Calculus Path E: 8th grade Algebra I, Accelerated Algebra II, Accelerated Geometry, Pre-Calculus, Optional: Probability & Statistic / Calculus as a senior
Required Offering 1 or 2 credits	1.0 credit of Approved CTE classes	2.0 credits of Approved CTEs from same cluster and/or Internship * Silver, Gold, or Platinum NCRC Certificate required	1.0 credit of Approved CTE classes or World Language (EPJ only offers Spanish I and II)	2.0 credits of Approved CTE classes or World Language (EPJ only offers Spanish I and II)
Required Offering	**Approved Career and Technical Education (CTE) courses:** Introduction to Architecture & Construction I/II, Cabinetry I/II, Welding I, Adv. Welding, Building Trades, Multimedia, Foundations of Technology, Web Development, Digital Production, Introduction to Technology Education I / II.			
Social Science	Social Science - 3.5 credits (.5) World History – Grade 9; (.5) World Geography -Grade 10; (1) Modern U.S. History – Grade 11; US Government (.5) and Economics (.5) – Grade 12, Elective (.5) – this elective credit can be an extra semester of WG, WH, Psychology, Sociology, Criminal Justice or other DC Social Science class.			
Fine Arts	Fine Arts - 1 credit Creative Art I, Creative Art II, Visual Arts Painting, Ceramics, Illustration, Graphic Design, Creative Art Drawing, Mixed Media, Music Appreciation, Band or Chorus (All classes are a semester long, Band and Chorus can be taken all four years)			
Computer Science	Computer Science - 1 credit Foundations of Technology, Multimedia Design, Digital Production, Introduction to Technology Education I or II. Classes are a semester long			
Health	Health -.5 credit Health will be taught in middle school. No credit will be awarded for the course, but it will be entered on the high school transcript to fulfill graduation requirements. Students entering the district after the seventh grade will be provided with an opportunity to complete and earn this semester credit through online instruction if needed.			
Physical Education	Physical Education -.5 credit Recreation Fitness, Life Fitness, Strength & Conditioning (former class names Lifetime Activities, Fitness for Life, Team Sports, and Physical Education) Classes are a semester long, but students can take up to 4 semesters			
	Total credits needed to graduate – 22 *Administrative & Parental/Guardian sign off is needed for Base Path.			

Elk Point-Jefferson Graduation Requirements

	Freshman (9th)	**Sophomore (10th)**	**Junior (11th)**	**Senior (12th)**
English (4 credits)	English I	English II	English III	English IV
Social Science (3.5 credits)	World History (.5)	World Geography (.5)	Modern US History	Economics/ Government
Math (3-4 credits)	Algebra I Part I Algebra I Accelerated Algebra II	Algebra I Part II Geometry Accelerated Algebra II Accelerated Geometry	Geometry Algebra II Accelerated Geometry Pre-Calculus	*None* *None* *Pre-Calculus* *Prob & Stats / Calculus*
Science (3-4 credits)	Physical Science	Biology	Your choice: Chemistry, Physics, or Ecology	*Chemistry, Advanced Chemistry/CHEM106, Physics, Ecology, Biology: Advanced Studies*
Fine Arts (1 credit) Take before you graduate	Creative Art I, Creative Art II, Visual Arts Painting, Ceramics, Illustration, Graphic Design, Creative Art Drawing, Mixed Media, Music Appreciation, Band or Chorus			
Computer Science (1 credit) Take before you graduate	Foundations of Technology, Digital Production, Multimedia Design, Introduction to Technology Education I / II			
Physical Education (.5) Take before you graduate	Recreation Fitness, Life Fitness, Strength & Conditioning			
Health (.5) Take before you graduate	Take in high school if you did not take a semester worth of Health in middle school.			

High School Coursework

Deciding what to take in high school is a big decision. You need to make sure you are taking the courses that you will need to get into college, play sports in college, and qualify for scholarships. Here are some things to keep in mind as you decide what classes to take.

College & University Admissions Requirements

The following table gives you an idea of what you need to take in High School to attend various colleges in our area.

Subject	*SD BOR School (USD, SDSU, NSU, BHSU)*	*University of Nebraska - Lincoln*	*University of Iowa*
English	4	4	4
Math	3 (Algebra I or higher)	4	3
Social Science	3	3	3
Natural Science	3	3	3
Fine Art	1	0	0
Foreign Language	0	2 (in the same language)	2 (in the same language)

**Students should complete the above listed core classes with a "C" average or better.*

Elk Point-Jefferson Valedictorian / Salutatorian Requirements

The following coursework is above and beyond the graduation requirements and must be completed to be considered for valedictorian/salutatorian status:

- Four units of English
- Four units of Algebra I or higher mathematics
- Four units of Science (Three units of laboratory science)
- Three and one-half units of Social Science
- Two units of World Language (includes American Sign Language)
- One unit of Fine Arts

Representative Man & Woman

High School Staff will select by vote three boys and three girls from the pool of candidates who have met the requirements listed below. Of these six candidates, one male and one female will be selected by vote of the senior class to represent them at graduation under the title of Representative Man and Representative Woman. The Representative Man and Representative Woman will give the “Commencement Address” and “Farewell Address” on a rotating basis.

- Minimum G.P.A. of 3.5
- Fulfill the requirements currently listed under Valedictorian/Salutatorian.
- Have participated in a minimum of two cumulative years of extra or co-curricular activities

Opportunity Scholarship

The Opportunity Scholarship is $7,500 and is awarded to students who *qualify and attend a participating South Dakota institution (see website for the list of 18 participating technical schools and colleges). All students who meet the criteria receive the money. The following coursework is above and beyond the EPJ graduation requirements:

- *4 units of Algebra or Higher Mathematics*
- *4 units of Science*
- *2 units of either of the following or a combination of the two:*
  - *Approved Career & Technical Education Courses*
  - *World Language*

**GPA of 3.0, no grade below a C, ACT Composite score of 24*

Website: *http://sdos.sdbor.edu/*

NCAA Eligibility Center

Students wanting to play sports at a Division I or Division II college need to take 16 core courses while in high school. Students must also meet the GPA requirements (based on grades in core classes only) and ACT requirements. Students should read the *Guide for the College Bound Student Athlete* to understand all the requirements.

For Division I: 10 core courses to be completed prior to the seventh semester and seven of the 10 must be a combination of English, math or natural or physical science.

- English (4 years required)
- Mathematics (3 years required)
- Natural/physical science (2 years required)
- Additional year in English, mathematics or natural/physical science (1 year required)
- Social science (2 years required)
- Additional academic courses (4 years required) (Math, Science, Social Sciences, English and World Language are all considered academic courses)
  - Psychology and Sociology are approved core Social Science courses

Website: http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp

Advanced Diploma Endorsements

Advanced endorsements denote a particular area of emphasis that a student has pursued in meeting the high school graduation requirements. While all students must meet the base high school diploma requirements, students may earn advanced endorsements. The advanced endorsements are Advanced, Advanced Career, and Advanced Honors.

Advanced Endorsement: indicates that a student has pursued coursework consistent with entrance requirements for postsecondary education at a university (also consistent with EPJ Graduation Requirements).

Advanced Career Endorsement: indicates a student has course experience in a concentrated area, and a related credential.

Advanced Honors Endorsement: indicates a student has pursued advanced rigorous, academic coursework consistent with SDCL 13-55-31.1 (high school course requirements for Opportunity Scholarship eligibility)

High School Coursework Summary

EPJ & Advanced Endorsement	Advanced Career Endorsement	Out of State College	Valedictorian	Opportunity Scholarships & Advanced Honors Endorsement	Division I / II (2.5 credits from the courses listed below)
4 Credits English					
3.5 Credits Social Science					Psychology (.5) Sociology (.5), extra semester of World History
3 Credits Math		4 Years Math	4 Years Math	4 Years Math	4th Year of Math
3 Credit Science			4 Years Science	4 Years Science	4th Year of Science
1 Credit Fine Arts					
1 Credit Computer Science					
1/2 Credit PE					
1/2 Credit Health					
1 Credit Required Offering	2 years of Approved CTE courses in the same cluster	2 Years World Language	2 Years World Language	2 years World Language and/or Approved CTE courses	2 Years World Language
	NCRC certificate Silver or higher				

Advanced Career Endorsement

EPJ Approved CTE Clusters & Courses

2 years of Approved CTE courses in the same cluster or Capstone units AND Attainment of industry recognized credential OR NCRC certificate Silver or higher

Arts, A/V Technology & Communications
Careers – Artist, Film Editor, Camera Operator, Graphic Design, Floral Designer, Multimedia Artist and Animator, Photographer, Singer, Musician, Producer
Foundations of Technology .5 credit
Multimedia .5 credit
Digital Productions (for Entertainment) .5 credit
Capstone: Internship .5 or 1.0 credits

Manufacturing
Careers- Industrial Machine Mechanic, Locksmith, Machinist, Mechanical Drafters, Power Plan Operators
Foundations of Technology .5 credit
Introduction to Technology Education I / II .5 or 1.0
Welding .5
Advanced Welding .5
Capstone: Internship .5 or 1.0 credits

Architecture & Construction
Careers – Architect, Construction, Carpentry, Civil Engineer, Electrician, HVAC, Plumber, Roofer, Surveyor
Foundations of Technology .5 credit
Introduction to Technology Education I / II .5 or 1.0
Introduction to Architecture & Construction I / II .5 or 1.0
Cabinetry I / II .5 or 1.0
Building Trades .5 or 1.0
Capstone: Internship .5 or 1.0 credits

Course Descriptions

The course descriptions given are brief explanations of the major components of each course. If you have further questions, please do not hesitate to contact the course instructor, guidance counselor, or high school principal.

CAREER & TECHNICAL EDUCATION – MANUFACTURING

Welding Technology Approved CTE course
Grades: 9-12
Prerequisite: None
1/2 Credit/1 Semester (Fall)
CTE Course: Approved
Students will learn about GMAW (MIG Welding). Students will learn safety, about the equipment, applications and techniques. Students will be in the classroom about 20% and out in the lab 80%. There will be no cost to the student for this course.

Advanced Welding Technology Approved CTE course
Grades: 9-12
Prerequisite: Welding Technology
1/2 Credit/1 Semester (Spring)
CTE Course: Approved
Advanced Welding provides students with opportunities to effectively perform cutting and welding applications of increasing complexity used in the advanced manufacturing industry. Proficient students will build on the knowledge and skills of the Welding Technology course while learning additional welding techniques not covered in previous courses. Specifically, students will be proficient in fundamental safety practices in welding, gas metal arc welding (GMAW), shielded metal arc welding (SMAW), and quality control methods. Students will be in the classroom about 20% and out in the lab 80%. There will be no cost to the student for this course.

Welding Fabrication I, II, III, IV Approved CTE courses
1/2 Credit/1 Semester (I and III Fall and II and IV Spring)
spring
Prerequisites for Welding Fabrication I - Welding Technology & Advance Welding Technology
Prerequisites for Welding Fabrication II – Welding Fabrication I
Prerequisites for Welding Fabrication III – Welding Fabrication II
Prerequisites for Welding Fabrication IV – Welding Fabrication III
A combined lecture (20%) and lab course (80%). Learn operation of equipment and safety practices. Students will build or repairing projects just like a welding fabrication shop. This will give you real world experience. The use of the plasma cutter, GMAW, GTAW, heating skills and grinding skills will be used in the lab. There is no charge for this course unless the student builds or repairs his own project. Then he/she pays for materials used.

CAREER & TECHNICAL EDUCATION – ARCHITECTURE & CONSTRUCTION

Introduction to Architecture and Construction I Approved CTE course
Grades Level: 9-10-11-12
Prerequisite: None
1/2 Credit/1 Semester (Fall)
This course includes shop safety, the usage of hand tools and the use of power woodworking machines, table saw, radial arm saw, band saw, jointer, surface sander, and others. Students will learn about different kinds of woods, wood products, best uses of wood, and the selection/application of wood finishes. The operations listed are incorporated into the construction of various construction projects.

Introduction to Architecture and Construction II Approved CTE course
Grade Level: 9-10-11-12
Prerequisite: Introduction to Architecture and Construction I
1/2 Credit/1 Semester (Spring)
This course will enhance student learning from Woods I. Students will learn more in depth wood working processes in Woods II. Each student will pick out a shop project to build. Each student must get the instructor's approval, working plans, material list and bring in material for his/her project. If a student can't afford to buy materials, I will assign a project and provide the materials.

CABINETRY I Approved CTE course
Prerequisite: Introduction to Architecture and Construction II
Grade Level: 10-11-12 1/2 Credit/1 Semester (Fall)

This course prepares individuals to apply technical knowledge and skills to set up and operate industrial woodworking machinery. Students will use industrial machinery to design and fabricate custom cabinets and architectural millwork. This course will cover safe use of hand and power tools and machinery used in the production of cabinets and millwork. A variety of cabinets will be designed and constructed. Students will apply proper finishing and explore proper installation techniques as part of this program.

CABINETRY II Approved CTE course
Grade Level: 10, 11, 12
Prerequisite: Introduction to Architecture and Construction I and II and Cabinetry I
1/2 Credit/1 Semester (Spring)
Woods IV is a contract course and students will construct a project. Each student will pick out a shop project to build. It must be cabinetry based, which means it must have a drawer, door, front frame and must be made of quality materials. Each student will have to have the instructor's approval, working plans, material list and bring in material for his/her project. If a student can't afford to buy materials, I will assign he a project and provide the materials.

Building Trades Approved CTE course
Prerequisite: A&C I (preference given to SRs, then JR's…..)
1 Credit/ All year (students are not able to add this class for the spring semester)

Students will gain insight into the career of building trades by developing practical skills such as safety on the jobsite, construction math, use of hand/power/pneumatic tools, basic residential blueprint reading, basic land surveying techniques, building construction, plumbing, electrical, concrete, employability skills and career exploration required to succeed in the construction industry.

COMPUTER SCIENCE

FOUNDATIONS OF TECHNOLOGY

1/2 Credit/1 Semester (Fall) Approved CTE Course

This semester long course focuses on the use of various software applications including Microsoft Word, Excel, PowerPoint, and Access. The student will be taught intermediate and advanced skills in word processing, spreadsheets, multimedia presentations, and databases. Activities include creating mail merges and newsletters; creating financial statements and databases with Excel; creating PowerPoints with flowcharts, spreadsheets, rehearsed timings, and sound; and creating reports and queries from databases. In addition, the students will learn how to use Google Docs an online office suite similar to Microsoft Office. As time permits, other school software will be demonstrated such as Adobe InDesign as well as other presentation alternatives. This class satisfied 0.5 credits of Computer Sciences as required for graduation by Elk Point – Jefferson High School

MULTIMEDIA DESIGN

1/2 Credit/1 Semester (Spring) Approved CTE Course

This semester course is designed for students who want to learn various multimedia skills. Areas covered include PhotoShop, Audacity, Google Earth, Adobe InDesign, and Corel VideoStudio. Students will learn a variety of tools that will enhance their skills to use in other classes. This class may be used to fulfill one semester of the computer science requirement. This class satisfied 0.5 credits of Computer Sciences as required for graduation by Elk Point – Jefferson High School

INTRODUCTION TO TECHNOLOGY EDUCATION I

1/2 Credit/1 Semester (Fall) Approved CTE Course

** Prerequisite: Open to Sophomores with teacher approval, juniors and seniors.

This semester long course is designed for students who want to explore and understand the ways in which science and technology are applied in our world. Topics covered include Mobile App Creation, Coding/Programming of Raspberry Pi, and robotics. This course is open to Juniors and Seniors in good academic standing. This class satisfied 0.5 credits of Computer Sciences as required for graduation by Elk Point – Jefferson High School.

INTRODUCTION TO TECHNOLOGY EDUCATION II

1/2 Credit/1 Semester (Spring) Approved CTE Course

** Prerequisite - Open to Sophomores with teacher approval, juniors and seniors.

This semester long course is designed for students who want to explore and understand the ways in which science and technology are applied in our world. Topics covered include: Computer Aided Drafting and Manufacturing using 3D printers that students will be coding and programming, Electrical concepts including Ohm's Law, Circuits Electric Motors, and building, coding, and programming Drones. This course is open to Juniors and Seniors in good academic standing. This class satisfied 0.5 credits of Computer Sciences as required for graduation by Elk Point – Jefferson High School

DIGITAL PRODUCTIONS
1/2 Credit/1 Semester (can take spring or fall but not both) Approved CTE Course
Digital Production for Entertainment prepares students to extend their knowledge of computer programming and design. Students will be given opportunities to design, implement, and present meaningful entertainment through a variety of media.

ENGLISH

ENGLISH I
1 Credit/1 Year
This is a required, year-long course for freshmen. The first semester is a combination of literature and composition, incorporating grammar study through the writing process. Poetry, short stories, drama, and informational text will be studied. The second semester is a thorough study of public speaking, including informal and formal speeches.

ENGLISH II
1 Credit/1 Year
This is a required, year-long course for sophomores. The first semester will be focused on two types of writing: narrative and professional. Students will learn to write professionally, building experience for potential job searches and interviews. Students will also study and create narratives. The second semester will be focused on reading a wide array of literature and analyzing it through their own writing.

ENGLISH III
1 Credit/1 Year
All juniors must take either English III or Honors English III. English III is a year-long course which provides a traditional approach to the study of language and literature, with emphasis on practical skills. The focus is on classic American Literature, including poetry, short stories, a novel, and informational text. Grammar and composition are addressed throughout the year.

HONORS ENGLISH III
1 Credit/1 Year
**Prerequisite of no semester grade lower than a B+ in English I or English II, cumulative GPA of 3.5 or higher and MAPS scores.
All juniors must take either English III or Honors English III. Honors English III is a year-long course which provides experiences that will prepare students for the challenges of higher education. The focus is on American literature, with emphasis on materials and activities that are appropriate for college-bound students, including poetry, short stories, novels, and informational text. The composition component also provides curriculum appropriate for college-bound students including an introduction to MLA research writing.

ENGLISH IV
1 Credit/1 Year
All seniors must take either English IV or Honors English IV. English IV is a year-long course which provides a traditional approach to the study of language and literature, with emphasis on practical skills for college and/or vocational students. Students read and study Shakespeare's *Othello* as well as a survey of modern literature including short stories, drama, a novel, and informational text. Students will build writing skills to maintain effective communication skills after graduation.

ENGL 101 / ENGL 210 Dual Credit English

To qualify for the dual credit program, seniors must have a cumulative GPA of 3.25 or higher (or have taken the Accuplacer and achieved certain scores).
To gain entrance into Dual Credit English (online), a senior must take the ACT and have an 18 or higher on the English subtest.

FINE ARTS

Band
½ Credit per Semester
This ensemble meets five days per week. Members are to be in attendance for all rehearsals. There are two lessons required of band members each quarter. Lesson instruction focuses on the advancement of musicianship, technical skills and performance preparation. The band performs multiple times a year for concert, marching band events, contests and pep band performances. Performance attendance is mandatory. Students receive grades based upon the grade point system established for the high school. Students are evaluated on their rehearsals, lessons, performances, attendance and musicianship skills. Each member of high school band will participate in concert band, pep band and marching band. *Updated 1/30/2014*

Jazz Band
¼ Credit per Year
The High School Jazz Band is an ensemble that meets/rehearses twice a week as decided through scheduling at the administrative level. The rehearsal time is from 7:15am-8am each of these days. Jazz band will perform throughout the year for various concerts and competitions/festivals. This course offers students an opportunity to study and apply improvisational techniques, music theory and the history of jazz. The grade will be earned based on rehearsals, performances, and any possible written assignments or projects as decided upon by the director. Jazz Band will not count as one of the six required classes to be taken throughout the school day.

CHOIR
1/2 Credit/1 Semester
Vocal ensemble meets 5 days per week. Through the performance of music, students develop confidence, self discipline, and the ability to work with others. Using the fundamentals of vocal technique, a wider vocal range, and correct habits of phrasing, students will increase interpretive powers, critical thinking skills and musicianship. The students will integrate prior knowledge and personal experiences into a variety of endeavors. These endeavors will be in reference to the selected repertoire being prepared for Region I music contests, at least 3 concerts, Homecoming Coronation, and any other performances that occur throughout the school year. Performance attendance is mandatory. If necessary, the director has the right to audition if program numbers exceed capacity limits. Final grades are based on rehearsal skills, vocal lessons (3 per quarter), and performance attendance.

SHOW CHOIR
1/4 Credit/1 Year
Show Choir is a vocal music ensemble that meets every Monday and Thursday from 7:15am to 8:00 am. In order to learn choreography, a few rehearsals will be held on days we don't have school. This ensemble performs throughout the 2nd semester at selected school events, music concerts and show choir invitationals, therefore, 9-12th grade Choir students involved in this ensemble must make a full year commitment. This course offers students a chance to perform

and polish their singing skills, learn choreography, and build performance skills. If necessary, the director has the right to audition to set the choir balance. Final grades are based on rehearsal participation, singing grades and performances.

BAND/CHOIR COMBINATION
½ Credit per Semester
Students interested in taking both Band and Chorus in the same semester may do so. Students will attend both ensembles each day as the classes are paired together during the same class period. Students will spend approximately half of the class period in each ensemble. Students will earn ¼ credit for band and ¼ credit for chorus per semester.

MUSIC APPRECIATION
½ Credit Per Semester (can take 1st, 2nd or both semesters)
Music Appreciation is open to all students. A non-performance class, the purpose of this course is to increase students' musical awareness and give students the tools to actively listen to, discuss, and critique various styles of music. The first portion of the course will focus on learning the basic elements of music: Melody, Rhythm, Harmony, Form, Texture, Tempo, and Dynamics. Using appropriate music vocabulary, students will study and discuss a variety of musical genres, including Classical, Rock, Musicals, Opera and World Music. Genres could vary based on student interest.

CREATIVE ART I
1/2 Credit/1 Semester (Fall) This course is offered ever year in the fall.
This class is the first course offered for students to fully engage in art and explore the elements of art and design. Media or materials that may be used throughout the semester include: graphite pencil, charcoal, colored pencil, oil pastels, watercolors, acrylic paints, collage, and more! Some projects and activities students will engage in throughout the semester include: art projects with a special focus on 2-D works, artist studies, reading, writing, research, art shows, quizzes, critiques, and more. Students must complete a semester project for this course.

CREATIVE ART II
1/2 Credit/1 Semester (Spring) This course is offered every year in the spring.
**Prerequisite - None
This class is the second course offered for students to fully engage in art and explore the principles of art and design. Media or materials that may be used throughout the semester include: drawing, paper sculpture, cardboard sculpture, weaving, paper mache, clay, mixed media, and more. Some projects and activities students will engage in throughout the semester include: art projects with a special focus on 3-D works, artist studies, reading, writing, research, art shows, quizzes, critiques, and more. Students must complete a semester project for this course.

26-27	27-28	28-29	29-30
Fall – Illustration Spring – Graphic Design	Fall – Drawing Spring Mixed Media	Fall- Painting Spring – Ceramics	Fall – Illustration Spring – Graphic Design

CREATIVE ART DRAWING
1/2 Credit/1 Semester **(Rotating Basis)**
Prerequisite: none
This class focuses around different styles of drawing. Students will explore different media and learn how to capture value using black and white and color. Students will spend a majority of

time practicing techniques and developing their own personal drawing styles. Projects will be based around learning the elements of art and the principles of design. Students are required to do weekly sketches in a sketch book. Project grades are based on working through the process, effort, craftsmanship, and meeting the criteria for the specific project. Students will be exposed to different artists within this area of art with a new artist each week. Grades will be based on projects, quizzes, sketch books, group activities/critiques, research projects and written work. The semester final will be a project and a test that covers the artists of the week and classroom vocabulary.

MIXED MEDIA ART
1/2 Credit/1 Semester **(Rotating Basis)**
Prerequisite: none
This course will examine ways to produce artwork by combining multiple media in the same artwork. Painting, drawing, ceramics, collage, and assemblage can be some of the media used during this class. Students will discuss the works of other mixed media artists throughout history. The students will engage in critical discussions of their own work and that of their classmates.

CREATIVE ART PAINTING
1/2 Credit/1 Semester (Fall) **(Rotating Basis)**
This class will explore different types of painting, as well as historically influential painters and painting theories. Media or materials that may be used throughout the semester include: watercolors, acrylic paints, and oil paints. Projects will be structured around different painting techniques and practical applications, such as color theory, wet-on-wet, impasto, plen air, mixed media, and more. Project subjects range from still life, landscapes, portraits, abstractions, and more. Some supplemental activities students will engage in throughout the semester include: artist studies, reading, writing, research, art shows, quizzes, critiques, and more. Students must complete a semester project for this course.

CREATIVE ART CERAMICS
1/2 Credit/1 Semester (Spring) **(Rotating Basis)**
*Class size limit 12 students
This class will explore different sculpture techniques, as well as pottery wheel techniques, to create 3-D artworks solely using clay as an artistic medium. Projects will be structured around different ceramic creation techniques and practical applications, such as pinch pots, coil construction, slab building, hand building, and pottery wheel. Ceramic glaze applications will also be a main focus of interest. The first half of the course is solely focused on learning and practicing the various building techniques through hands-on experience of each method, whereas the second half of the course is focused on art movements and conveying related personal artistic message through ceramic sculpture. Some supplemental activities students will engage in throughout the semester include: artist studies, reading, writing, research, art shows, quizzes, critiques, and more.

ILLUSTRATION
1/2 Credit/1 Semester **(Rotating Basis)**
This class will explore the concepts of art that tells a story or serves a very specific or practical purpose, tying in related art careers. Media or materials that may be used throughout the semester include: graphite pencil, colored pencil, sharpie, pen and ink, and more. Projects will be structured around different careers and illustration practical applications in relation to said careers. Careers studied and subsequent related projects may include: Book Illustrator, Storyboarder, Character Designer, Video Game Level Designer, Tattoo Artist, Product Designer,

Fashion Designer, and more. Some supplemental activities students will engage in throughout the semester include: artist studies, art career studies, reading, writing, research, art shows, quizzes, critiques, and more. Students must complete a semester project for this course.

GRAPHIC DESIGN
1/2 Credit/1 Semester **(Rotating Basis)**
This class will explore graphic design theories and concepts, as well as how to create functional, communicative computer-generated, static (2-D/nonmoving) graphic designs that may serve a multitude of purposes. This course will primarily involve creation of digital designs via a computer, though in some cases traditionally-produced artwork may be scanned in to use as design elements. Projects will be structured around the different design aspects involved in creating a work of graphic design (Elements/Principles of Design, Image/Illustration Development, Photo Manipulation, Typography, Layout Design, Commercial Art, and Knowledge of the Consumer inclusive of Target Audiences). Projects may include: converting a drawing into a digital image, photoshopping yourself into a picture, recreating a famous logo using limited resources, creating an advertisement for a favorite brand, typography illustration, social media marketing campaign, product packaging design, poster design, book cover redesign, brochure design, quote typography design, menu design, editorial design, resume design, and personal branding portfolio (inclusive of logo, business card, letterhead, website, etc.). Some supplemental activities students will engage in throughout the semester include: artist studies, art career studies, reading, writing, research, art shows, quizzes, critiques, and more. Students must complete a semester project for this course.

YEARBOOK
Must be approved by the Yearbook Advisor
1/4 Credit/1Year Elective Credit
This is a fine arts credit. Students use Homeroom (8:15 – 8:30) to meet with their advisor and receive direction. The desktop course will utilize computer software to create a design-oriented yearbook. Jostens Yearbook Avenue software is used to create yearbook pages and merges yearbook body copy, thus eliminating manual layout and design of the school's yearbook publication. There is also a heavy focus on different types of photography and practical applications for recording school events. Yearbook gives students an inside look into running a small business and designing, editing, and finalizing a published book. Students will learn and practice everything that goes into making a published book including: writing, editing, proofing, photography, design, and the use of publication software.

NEWSPAPER
Must be approved by the Newspaper Advisor
1/4 Credit/1Year Elective Credit
This is a fine arts credit. Students use Homeroom to meet with their advisor and receive direction for article completion, editing, and design.

WORLD LANGUAGE

SPANISH I
1 Credit/1 Year

** Suggested prerequisite of a C in Language Arts to obtain optimal success.
The Spanish I course is designed for secondary school students as an introduction to the language and culture of the Spanish-speaking world. Each student will attain an acceptable degree of proficiency in the four skills of listening, speaking, reading and writing of the Spanish language. These four skills will be presented within the context of the contemporary Spanish-speaking world and its culture. Homework and special projects will be assigned to enhance the learning and cultural experience of each student. Tests and quizzes will be administered in order to evaluate the student's progress. A good attitude, willingness to speak in the target languages, and working cooperatively will ensure success.

SPANISH II
1 Credit/1 Year
**Prerequisite Spanish I and at least a grade of C in Spanish I or permission of Instructor.
The Spanish II course is designed as a follow up to the first year level. This course will be offered to any secondary student who has successfully completed 2 semesters of the Spanish I level. The second level of Spanish will build upon the proficiency in the four skills of listening, speaking, reading and writing. The more complex structures of basic Spanish will have acquired a command of the key vocabulary and structures necessary for personal communication as well as an appreciation of the breadth and variety of the Spanish-speaking world. Homework and special projects will be assigned to compliment the curriculum. Both tests and quizzes will be a measure of the student's progress. A good attitude, willingness to speak in the target languages, and working cooperatively will ensure success.

WORLD CULTURES
½ Credit per Semester. (Can take 1st **or** 2nd semester) This is an elective class.
This class is a general study of diverse world cultures. Topics include cultural practices, social structures, religions, arts, and languages.

MATHEMATICS

ALGEBRA I
1 Credit/1 Year
This is an introductory course in algebra. Students learn basic algebraic skills dealing with real numbers, equations, inequalities, polynomials, functions, problem solving, and the structure of algebra as a mathematical system. There is some review of basic computational skills. There are no prerequisites. The credit earned satisfies one credit of the EPJ math graduation requirements and also counts as a college entrance math course. The usual grade level is ninth, but the course is open to all grades. It is strongly recommended that all high school students take Algebra I before graduating.
* Algebra I taken during the eighth grade year will be listed on the high school transcript, but will not count toward fulfilling the EPJ high school graduation requirements in mathematics. It will be included in the student's high school GPA(grade point average).

ALGEBRA II
Prerequisite: Geometry

1 Credit / 1 Year
Topics covered include basic properties of real numbers, exponents and radicals, rectangular coordinate geometry, solutions to linear and quadratic equations, systems of equations, inequalities, polynomials, factoring, rational expressions and equations, radical expressions and equations, complex numbers, and functions. This course is the third course in the Algebra I, Geometry, Algebra II sequence of courses to obtain the three math credits required for graduation. A major goal of this course is to prevent remediation at the post-secondary level and to prepare students who plan to attend a two-year program rather than a four-year college.

ACCELERATED ALGEBRA II
1 Credit/1 Year
Prerequisite: Algebra I
This course reviews skills learned in Algebra I and deepens the student's understanding of the underlying concepts. More advanced topics also are learned, such as working with polynomials, radical expressions, and imaginary numbers. This credit meets EPJ graduation requirements in math and also college entrance requirements. Students considering any post-high school education are encouraged to complete Accelerated Algebra II.

GEOMETRY
1 Credit / 1 Year
Prerequisite Algebra I
This course focuses on two dimensional shapes, three-dimensional figures, parallel and perpendicular lines, and all the parts, properties, and theorems that involve them. This course will also build upon the algebra concepts students have learned in Algebra I and apply them to geometric situations. The main difference between this Geometry and Accelerated Geometry will be that this course will not learn to build geometric proofs to the same extent as in Accelerated Geometry.

ACCELERATED GEOMETRY
1 Credit/1 Year
Prerequisite: Accelerated Algebra II
Geometry is the study of points and how they evolve into geometric figures. This course will focus on the shapes, sizes and properties of these geometric figures. Geometry is one of the most integrated mathematics in our world, and pivotal to many fields including construction, design, and logic, to name a few. There are several types of geometries. The type we will study is Euclidean geometry, initially developed by Euclid, a Greek mathematician of about 300 B.C. Through this course, students will better understand the world around them through a geometric viewpoint, which involves proofs, theorems, geometry in professional practice, and logic.

PRE-CALCULUS
1 Credit/1 Year
Prerequisite: Accelerated Geometry or Geometry
This course covers trigonometry and advanced algebra topics. In trigonometry, the trig functions are studied as circular functions and in right triangles. Algebra topics include solving and graphing functions to a degree greater than two, logarithms, polynomial inequalities, and an introduction to probability and statistics. Any student planning to attend college will find this course helpful in college math. Those pursuing careers in engineering, any medical field, business, or other math or science related fields are urged to take this class.

PROBABILITY & STATISTICS
1/2 Credit/1 Semester (Fall)
Prerequisite: Pre-calculus
Probability is the study of the likeliness of an event occurring. Experiments are conducted and predictions are made based on the data and on theoretical probabilities. Statistics is the science of collecting and analyzing data and turning that data into information. Tables, graphs, and charts are constructed, read, and interpreted. This course is intended for those students wishing to have five years of college-prep math courses. It does NOT replace Pre-calculus for those planning to go on to college or tech school. It is an additional available upper level math class.

CALCULUS
1/2 Credit/1 Semester (Spring)
Prerequisite: Pre-calculus
Calculus is a combination and extension of concepts studied in Algebra I, Algebra II, Geometry, and Pre-calculus. Topics and skills learned in these math classes are used to extend the realm of mathematical learning. There are two main problems in calculus: the tangent line problem and the area problem. This course is designed as an introduction to Calculus I that many students will take in college. Students who have successfully completed Pre-calculus during their junior year are encouraged to take this course in preparation for college mathematics.

PHYSICAL EDUCATION

***Students can take up to 4 semesters (2 credits) of Physical Education.

RECREATIONAL FITNESS
1/2 Credit/1 Semester (This class may be repeated.)
Recreational Fitness provides students with an opportunity to incorporate physical activity and life-long leisure experiences into their lifestyle through game play and practice. Focus units include but are not limited to, badminton, frisbee golf, pickle ball, volleyball, walking/jogging, orienteering, bowling. Skills and common concepts of each lifelong activity will be presented and developed through practice and match play. Students will also participate in fitness specific related activity once a week.

STRENGTH & CONDITIONING
1/2 Credit/1 Semester (This class may be repeated.)
This course is designed to develop and increase muscular strength and cardiovascular endurance. The main objective is to teach students how to maintain a healthy body with regular exercise. Major activities include: weightlifting, plyometrics, aerobic exercise and circuit training. Students will be evaluated by classroom performance, attitude, behavior, and participation. Weekly lifting sheets and frequent physical tests will monitor progress.

LIFE FITNESS
1/2 Credit/1 Semester (This class may be repeated.)
Life Fitness is a course designed for students looking to experience fitness in a motivating setting. Exercise will focus on cardiovascular fitness, muscular strength and endurance, flexibility, balance, body alignment, relaxation techniques, and agility. Challenging aerobic workouts will be offered including but not limited to Kickboxing, Yoga/Pilates, Cross-Fit style

workouts, Zumba, Circuit Training, and Dance. Assessment will include student taught workouts, choreographed dances, quizzes, fitness testing, Health Vision Boards, and article assignments.

SCIENCE

ENVIRONMENTAL BIOLOGY (former name Ecology)

1 Credit/1 Year

This is a year long science elective offered to juniors and seniors. Ecology is the study of complex interactions between humans and their environments. The following is a list of the content covered in Ecology:

1st Semester:

- **Chapter 1: Introduction to Environmental Science** addresses how scientists uncover, research and solve environmental problems.
- **Chapter 3: Earth's environmental systems** addresses how the nonliving parts of Earth's systems provide the basic materials to support life
- **Chapter 4: Population Ecology** addresses how changes in population size relates to environmental conditions
- **Chapter 5: Evolution and Community Ecology** addresses how organisms affect one another's survival and the environment
- **Chapter 6: Biomes and Aquatic Ecosystems** addresses how the environment affects where and how an organism lives. Students will dissect a starfish during this chapter.

2nd Semester:

- **Chapter 8: Human Populations** addresses how the growing human population affects the environment
- **Chapter 13: Mining Resources and Mining** addresses at what point do the mining costs outweigh the benefits. A study of the rock cycle, mineral and rock identification is also a part of this unit.
- **Chapter 14: Water Resources** addresses water quality studies, use and pollution.
- **Chapter 15: The Atmosphere** addresses air quality and identifies indoor and outdoor pollutants, health risks associated with air pollution and in depth look into "Green Vehicle" usage.
- **Chapter 18: Renewable Energy Alternatives** addresses what are the potential uses and limitations of renewable energy. Students will design and test wind turbines during this chapter and take an in depth look into alternative energy sources such as biomass, geothermal, hydropower, solar, wind and energy from hydrogen.

Assessment for this course may be, but is not limited to the following: daily quizzes, lab work, projects, presentations, interactive notebooks and chapter tests.

BIOLOGY: ADVANCED STUDIES (ANATOMY/PHYSIOLOGY)

1 Credit/1 Year

This is a science elective offered to seniors. Advanced Biology is the study of human anatomy and physiology. It is a one-year course that will cover the following chapters:

Semester 1

- **Chapter 1: The Human Body-An Orientation** will cover the levels of structural organization, homeostasis and the language of anatomy.

- **Chapter 3 Part 1:** Cells and Tissues will be an overview of the cellular basis of life looking at the anatomy of the cell, and cell physiology which will include membrane transport, cell division and protein synthesis
- **Chapter 3 Part 2:** Body tissues will study the 4 basic tissue types and tissue repair
- **Chapter 4: Skin and Body Membranes** will focus on the integumentary system and the developmental aspects of the skin and body membranes. Students will take an in depth look at skin cancer and ways to prevent it.
- **Chapter 8: Special Senses** will study the anatomy and physiology of the eye, ear, and sense of smell and taste. Students will dissect the cow eye during this chapter and listen to a guest speaker on Optometry

Semester 2

- **Chapter 5: Skeletal System** will be an overview of the bones and joints with an in depth look at learning many of the bones and bone markings
- **Chapter 6: Muscular System** studies muscle functions and activities as well as the associated muscle movements. Students will be required to learn several of the major muscles.
- **Chapter 10: Blood** will look at the composition and function of blood, and research a variety of blood disorders
- **Chapter 11: Cardiovascular System** studies the anatomy and physiology of the heart, and blood vessels. Students will dissect deer hearts this chapter and trace the flow of blood through the heart.
- **Chapter 13: Respiratory System** studies the anatomy and physiology of the respiratory system, taking a look at several respiratory disorders
- **Chapter 14: Digestive System and Body Metabolism** will cover the functions of the digestive system and look into nutrition and the harmful effects of energy drinks
- **Chapter 15: Urinary System** focuses on the anatomy of the kidneys, ureters, bladder and urethra as well as the developmental aspects of the urinary system
- **Fetal Pig Dissection**--at the end of the year, students will dissect the fetal pig tying together all of the body systems that were covered all year

Assessment for this class may include, but is not limited to daily quizzes, lab work, projects, interactive notebooks presentations, dissections, and chapter tests. This class will also focus on health careers and attend a SCRUBS camp and tour the Gross Anatomy Lab at USD.

BIOLOGY

1 Credit/1 Year

This course is a required one-year program for sophomores. The course will provide the student with the skills necessary to understand how biology is a part of everyday life. Content of the course includes the following:

Semester 1

- **Study of Life**--this unit will study the characteristics of life, the nature of science and methods of science
- **Classification**--this unit will study the classification system and take an in depth look at the domains and kingdoms. Students will do a long term leaf book project during this chapter
- **Bacteria/Viruses**--students will learn the differences between bacteria and viruses and how they replicate. Students will research a variety of viral and bacterial diseases and create a presentation on one.
- **Principles of Ecology**--this unit will look at organisms and their relationships with one another and the environment, cycling of matter and the flow of energy in an ecosystem
- **Communities and Ecosystems and Biodiversity and Conservation**--will be a unit looking at community ecology and biodiversity. Students will study the threats to biodiversity and ways to conserve it.

- **Cell Biology**--this unit will look at cellular structure and functions that will include a look at the cell theory, cell organelles and cellular transport

Semester 2

- **Cell Reproduction**--this unit will look at cellular growth and division involving mitosis
- **Cell Reproduction part 2**--this unit will cover sexual reproduction involving meiosis and comparing it to mitosis. A study of chromosomal disorders will be a part of this unit.
- **Genetics**--students will learn Mendelian Genetics as well as complex inheritance and human heredity. Students will learn how to do a variety of punnett squares involving monohybrid crosses, dihybrid crosses, incomplete dominance, codominance and sex linked traits.
- **DNA/RNA**--this chapter is a study of molecular genetics learning about DNA and DNA replication, and Protein synthesis
- **Human Body Part 1 and Human Body Part 2**: this unit will be divided into 2 separate units covering all of the major body systems. Students will dissect the frog at the completion of these 2 units.
- **Plants**--this unit will be an introduction to plant structure and function.

Assessment for this class may include, but is not limited to daily quizzes, lab work, projects, interactive notebooks, presentations, dissections, and chapter tests.

PHYSICAL SCIENCE

1 Credit/1 Year

This course is a required, one-year course for freshmen that provides them with background information relevant for other science courses. The materials covered include

- Semester 1:
  - **Chapter 1: The Nature of Science** → Methods, Conversions, Graphings, Technology
  - **Chapter 15: Classification of Matter** → Composition of Matter, Pure Substances, Mixtures, Properties and Changes (Physical and Chemical)
  - **Chapters 16 and 17: Properties of Atoms and the Periodic Table** → History of the atom and periodic table, atomic structure, Periodic Table (metals, nonmetals, mixed groups)
  - **Chapter 18: Chemical Bonds** → Stability, Types of bonds, Naming/Writing chemical equation
  - **Chapter 19: Chemical Reactions** → Balancing chemical equations, classifying equations, chemical reactions and energy
  - **Chapter 21: Solutions** → How solutions form, concentration and solubility, solubility graphs
  - **Chapter 20: Radioactivity and Nuclear reactions** → the nucleus, nuclear decays and reactions, radiation technologies and applications, disposal, nuclear disasters
- Semester 2:
  - **Chapter 2: Motion** → Describing motion, velocity, momentum, acceleration
  - **Chapter 3: Forces and Newton's Laws of Motion** → Forces, Newton's Laws of Motion, Using Newton's Laws (applications)
  - **Chapter 4: Work and Energy** → Work. power, simple machines, energy, conservation of energy
  - **Chapter 5: Thermal Energy** → Temperature, thermal energy, heat, conduction, convection, radiation, using thermal energy (engines)
  - **Chapters 9-11: Introduction to Waves, Sound, Electromagnetic Waves** → Nature of waves, properties and behaviors, Music, using sound, electromagnetic spectrum, radio communication

- **Chapters 6-7: Electricity and Magnetism** → Electric charge and current, circuits, magnets. magnetism and electricity (electromagnets)

Approximately 1 laboratory investigation per chapter is performed to help students observe concepts first hand. Assessment for this course is based on homework, projects, quizzes, laboratory experiments, WAC and chapter tests.

PHYSICS

1 Credit/1 Year

Prerequisite: Completed Algebra II.

This is a science elective offered to Juniors and Seniors. Physics studies the behavior of matter as the result of energy and forces. Gravity, electricity, magnetism, heat, light, waves and quantum physics are some topics studied. Approximately 1 laboratory investigation per chapter is performed to help students observe concepts firsthand. Assessment for this course is based on homework, projects, quizzes, laboratory experiments, WAC/RAC and chapter tests. This course will help those students planning on entering medical fields, engineering, computers or any other math/science area.

CHEMISTRY

1 Credit/1 Year

Prerequisite: Taking or have completed either Algebra II or Geometry

This science elective, offered to Sophomores, Juniors and Seniors, emphasizes the development of critical thinking and problem solving skills. This is accomplished through the completion of the following chapters:

- Semester 1:
  - **Chapter 1: Introduction to Chemistry** → Matter, Methods, Research
  - **Chapter 2: Analyzing Data** → Units, Measurements, Dimensional Analysis, Graphing
  - **Chapter 3: Matter - Properties and Changes** → Physical and Chemical, Mixtures, Pure Substances
  - **Chapter 4: Structure of the Atom** → Atomic Scientists, History of the Atom, Nuclear Reactions
  - **Chapter 5: Electrons in Atoms** → Light, Energy, Waves, Electronic Configuration
  - **Chapter 6: Periodic Table and Periodic Law** → History of the PT, Classifying Elements, PT Trends
  - **Chapter 7: Ionic Compounds and Metals** → Ion Formation, Naming/Writing Ionic Compounds, Metallic Bonding
- Semester 2:
  - **Chapter 8: Covalent Bonding** → Naming/Writing Covalent Compounds, Lewis Structures, Geometry, Bonding
  - **Chapter 9: Chemical Reactions** → Reactions, Equations, Identification
  - **Chapter 10: The Mole** → Measuring Matter, Empirical and Molecular Formulas, Hydrates
  - **Chapter 11: Stoichiometry** → Stoich Calculations, Limiting Reactions, Percent Yield
  - **Chapter 12: States of Matter** → Gases, Liquids, Solids, Phase Changes
  - **Chapter 13: Gases** → Gas Laws, Ideal Gas Law, Gas Stoich

Approximately 1 laboratory investigation per chapter is performed to help students observe concepts firsthand. Assessment for this course is based on homework, projects, quizzes, laboratory experiments, WAC and chapter tests. This course will help those students planning on entering medical fields, engineering, or any other math/science areas.

ADVANCED CHEMISTRY
1 Credit/1 Year
Prerequisite: Have successfully completed Chemistry.
This is a science elective that is typically a Senior level class, but can be taken by Juniors who completed Chemistry as Sophomores. Advanced Chemistry studies

- Semester 1:
  - **Review Chapter**: Reviewing concepts from previous Chemistry course
  - **Chapter 14: Mixtures and Solutions** → Types of Mixtures, Concentrations, Colligative Properties
  - **Chapter 15: Energy and Chemical Change** -> Energy, Heat, Thermochemical Equations, Reactions
  - **Chapter 16: Reaction Rates** → Rate Laws, Factors affecting reaction rates, reaction mechanisms
  - **Chapter 17: Chemical Equilibrium** → Equilibrium constants and equations, factors affecting equilibrium, equilibrium shifts
  - **Chapter 18: Acids and Bases** → Properties, Naming/Writing, Strengths, Neutralization, pH, pOH
- Semester 2:
  - **Chapter 19: Redox Reactions** → Oxidation, Reduction, Balancing Redox Equations
  - **Chapter 20: Electrochemistry** → Voltaic Cells, Batteries, Electrolytes
  - **Chapters 21-22: Organic Chemistry** → Hydrocarbons, Substituted Hydrocarbons, Organic Reactions, Polymers
  - **Chapter 23: Biochemistry** → Proteins, Carbohydrates, Lipids, Nucleic Acids, Metabolism
  - **Chapter 24: Nuclear Chemistry** → Radiation, Decay, Reactions, Application and Effects of Nuclear Reactions

Approximately 1 laboratory investigation per chapter is performed to help students observe concepts firsthand. Assessment for this course is based on homework, projects, quizzes, laboratory experiments, WAC and chapter tests. This course will help those students planning on entering medical fields, engineering, or any other math/science areas

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SOCIAL SCIENCE

U.S. GOVERNMENT COMPREHENSIVE
1/2 Credit/1 Semester (Spring)
This is a required course for seniors. American government is designed to acquaint the students with the skills and knowledge necessary to function in today's society. It covers the history of the American form of government, the Constitution, political parties, elections, voting, the three branches of the United States national government, state and local governments and various current topics relevant to our society. The students are required to take tests, quizzes, and do two or three homework assignments per week. Possible field trips, such as government days and the South Dakota Supreme Court sessions, and guest speakers are utilized in class as a way for students to see firsthand the various workings of our national, state and local government. Current events are also stressed to understand today's world and the important issues facing it.

- Unit 1-Foundations of American Government
- Unit 2-The Legislative Branch
- Unit 3-The Executive Branch
- Unit 4-The Judicial Branch

ECONOMICS
1/2 Credit/1 Semester (Fall)
This is a required course for seniors. Consumer Economics is a semester long course which will focus on developing financial literacy. Topics within the course are as follows: budgeting, banking services, sources of credit, consumer loans, taxes, insurance, and investments. The course will draw from the "Personal Finance" content standards as adopted by the South Dakota Department of Education. Assessment will take the form of daily work, activities, quizzes, exams, and a semester exam.

- Paycheck & Budget
- Banking
- Credit
- ID Theft
- Purchasing a Car & Insurance
- Housing Rentals & Insurance
- Post-Secondary Planning/Financing

MODERN UNITED STATES HISTORY
1 Credit/1 Year
United States History is a required course for juniors. The class covers a general overview of the history of the United States. The first semester will cover: the Civil War, 9/11 Attacks, Immigration and Urbanization, The South and West Transformed, The Progressive Era, The USA Becoming a World Power, World War I, The Twenties and The Great Depression. Second semester will cover The New Deal, World War II, Cold War, Civil Rights, and The Vietnam Conflict. The 1/2 Credit/1 Semester (Fall and/ or Spring)
is also made of the past to relate it to future events. Students are required to take tests, quizzes, and complete two to three homework assignments per week. Individual and group projects relating to history are used in class.

WORLD GEOGRAPHY
.5 or 1 Credit/ Can take 1st or 2nd semester or both semesters
World Geography is a comprehensive course that explores the physical and cultural geography of the world. Students examine global regions including the United States, Latin America, Australia and Oceania during the first semester, and Europe, the Middle East, Africa, and Asia during the second semester. The course is designed to develop students' understanding of the diverse cultures, traditions, and geographic characteristics that shape our world while emphasizing the interdependence of global regions. In each unit of study, students analyze physical geography, population patterns, cultural practices, economic systems, and current global issues. Students develop geographic literacy through the extensive use of maps, including topographic, climate, political, population density, and thematic maps. In addition, students interpret statistics and data to create charts and graphs, compare regions, and identify global trends and relationships. Assessment methods include unit tests, quizzes, map assessments, writing assignments, research activities, and both individual and collaborative projects. Current events are incorporated regularly to help students connect classroom learning to contemporary world issues and global developments.

WORLD HISTORY
.5 or 1 Credit - Can take 1st or 2nd semester or both semesters

This is a required semester long course for freshmen. Freshmen must take at least one semester of World History. The semester can be first or second, however students can choose to take an entire year of the course. The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civil, social, and employment settings.

World History Semester 1 (1350-1850)
Semester One concentrates on the early modern world. This class takes a closer look at major changes and movements during this time period. We take a deeper look at cultures and societies that have histories that span hundreds of years that are still in existence along with the importance of civilizations that have long lasting effects on the world we live in today.

- Renaissance & Reformation
- Age of Exploration
- Age of Absolutism
- American Revolution & Enlightenment,
- French Revolution & Napoleon.

World History Semester 2 (1800-1970)
Semester Two concentrates itself on European Imperialism and the Crisis of the Twentieth-Century. We take a deeper look into how Europe changed itself through industrialization & later changes the world through its imperialist (conquering) movement. We also look at the causes & effects on continual confrontation in Europe that spreads throughout the world through competition.

- The New Imperialism
- New Global Patterns
- WWI & the Russian Revolution
- Nationalism & Revolution Around the World
- Rise of Totalitarianism
- WWII & its Aftermath
- The Cold War

26-27	27-28	28-29	29-30
Fall – Officiating Spring – Psychology	Fall – Sociology Spring – Criminal Justice	Fall – Officiating Spring – Psychology	Fall – Sociology Spring – Criminal Justice

SOCIOLOGY
½ Credit (Fall Rotating Schedule)
Prerequisite –open to Sophomores, Juniors and Seniors
This course focuses on basic concepts, research, and theories involved in increasing the understanding of human behavior and human societies. Utilizing a sociological perspective, the interrelations among human societies, individuals, organizations, and groups are analyzed. Topics of analysis include culture, social interaction, social institutions, social stratification, community, and various social change strategies. Numerous contemporary social problems and issues such as, but not limited to, racial and ethnic relations, sexism, and class bias are discussed.

CRIMINAL JUSTICE

½ Credit (Spring Rotating Schedule)
Prerequisite -open to Sophomore, Juniors or Seniors
This course is an introductory of the American criminal justice system. The course provides an overview of the foundations and components of the criminal justice system, including criminal law, police, courts, and corrections. The main emphasis will be placed on the criminal justice process and how the various institutions of criminal justice interact. Key issues will be addressed as they arise at different stages of the process, such as the conflict between crime control and due process, and conflicts related to, for example, gender, class, and ethnicity.

OFFICIATING
½ credit (Fall Rotating Schedule)
Prerequisite – only open to Juniors and Seniors
This class is designed to introduce students to the world of officiating various sports. High school athletics is facing a severe shortage in officials in all sports, this course would hopefully encourage students to think about officiating. This course will cover the following sports: Football, Volleyball, Basketball, Wrestling, Baseball & Softball. Each sport will get a 3-4 week overview where students will learn the rules, mechanics, and nuances of officiating these various sports.

PSYCHOLOGY
½ credit (Spring Rotating Schedule)
Prerequisite –open to Sophomores, Juniors and Seniors
Psychology is a general overview class designed for 10-12th grade students. Students will learn about the development of humans from birth to death. Emotions, learning, personality, psychological disorders, and therapy methods will be covered in this class. We will use various methods like case studies, videos, research projects and labs to explore and learn about the various topics.

MISCELLANEOUS

NETWORKING SYSTEMS (INTRODUCTION TO NETWORK ADMINISTRATION)
1/2 Credit/1 Semester
Prerequisite: Seniors only / Mr. Larsen's approval
Through practical, hands-on participation, students will gain experience in PC troubleshooting and repair. They will also gain experience in application and networking software. This is an elective credit.

DISTANCE EDUCATION

Distance Education courses include DDN and Online courses. Registration for all DDN/Online courses must be completed in the semester prior to the start of the course.

Eligible Students:

- Students in grades ten through twelve (sophomore through senior) may be eligible to enroll in a distance course.
- Students must have the required prerequisites for the coursework.
- Students must meet with the high school counselor or principal to determine if the student has the motivation, background skills, and knowledge to be successful in the online learning environment.
- Students must have no grade lower than a C- during the previous school year (inclusive of both semesters).
- Students who fail a distance course, or are removed or expelled from a previous distance course will not be allowed to take another.

NSU STATEWIDE E LEARNING CENTER

The E Learning Centers offers free online Advanced Placement and online high school classes. Students need to talk to school counselor and get approval to take these courses. For course list and course descriptions go to http://www.northern.edu/academics/elearning

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SOUTH DAKOTA VIRTUAL HIGH SCHOOL

The South Dakota Virtual School is a clearinghouse of distance courses offered by approved providers. Courses are available online or via the Digital Dakota Network. All course offerings are approved by the South Dakota Department of Education. The goal of the Virtual School is to provide choice, flexibility and quality for all students across the state. Go to http://sdvs.k12.sd.us/ to see a list of courses. The cost is about $300 for a semester long course. Students interested in taking a Virtual High School course should see the counselor. Registration for all Virtual High School courses must be completed in the Spring prior to taking the course in the Fall.

APEX
This is an online program we use here at EPJ School for classes like Health.

HEALTH
1/2 Credit/1 Semester (Fall OR Spring)
**Prerequisite – Assigned by school counselor to meet graduation requirements.
High School Health is an online elective course that introduces students to what good health is, why good health is important, and what students should do in order to achieve and maintain good health.

DUAL CREDIT CLASSES
Dual Credit courses are open to juniors and seniors in good standing. Students receive one half (.5) high school credit, as well as the college credit. We have two options for students – online classes from the South Dakota Board of Regent schools and WITCC. See the High School Handbook Dual Enrollment section for more information.

Eligible Students:

- Students must have the required prerequisites for the coursework.
- Students must meet with the high school counselor or principal to determine if the student has the motivation, background skills, and knowledge to be successful in the online learning environment.
- Students must have no grade lower than a C- during the previous semester.
- Students who fail a distance course, or are removed or expelled from a previous distance course will not be allowed to take another.

South Dakota Board of Regents Schools

Juniors and seniors who meet certain requirements can take classes at a South Dakota Board of Regent School for $48.33 a credit hour. Students interested in taking dual credit classes should see the school counselor for more information. Registration for these courses must be completed during the prior semester.

Western Iowa Technical & Community College (WITCC)

WITCC offers several online college classes. Students who are interested in taking the course must pay for the course. EPJ students get a reduced fee. WITCC loans the books to the students, and there are no other charges or fees. See the school counselor for more information. Registration for these courses must be completed during the prior semester.