

THE PHILOSOPHY OF EDUCATION AT CEDAR CATHOLIC JR. SR. HIGH SCHOOL

Cedar Catholic Jr. Sr. High School is a community of administrators, teachers, parents, and students working under the guidance of the Church and dedicated to the works of the Spirit, which concern the intellectual, vocational, moral, religious and social development of a true Catholic Christian.

Cedar Catholic recognizes that the principle agent of education is the individual person and aims to help in self-development towards the stated objectives of the school. The focus is on the total person--broad preparation and liberal education in proportion to personal gifts. Cedar Catholic constantly looks to the student's intellectual, material and spiritual needs.

At Cedar Catholic, community is "the heart of Christian education not simply as a concept to be taught but a reality to be lived." (TTAJD, 23) Cedar Catholic, being a centralized school involving many parishes, places a high priority on the experience of community within its program. This community is fostered especially by the Eucharist which is at once a sign of community and cause of its growth." (TTAJD, 24).

Furthermore, Cedar Catholic recognizes an obligation as a corporation of six parishes, to serve the wide community. In cooperation with the public school and other agencies, it seeks to provide educational opportunities for the young and old, by sharing its facilities, personnel, and resources to the best advantage of all in the community. In all other services, Cedar Catholic seeks to complement and assist by such physical, intellectual, and spiritual endeavors as are fitting to a Catholic institution of learning.

Suggested Sequence of Classes to Take Throughout High School
The *Classes are Cedar Catholic Requirements
The number of credits are in parenthesis behind each class listing

SCIENCE

- Cedar Catholic High School requires 3 years/suggests at least 4 years.
- UNL/UNK/UNO require 3 years.
- Most Private Schools, Community Colleges, State Schools, etc..... suggest the Cedar requirements.

4 YEAR COLLEGE BOUND / SCIENCE RELATED MAJOR

Freshmen	*Physical Science (1)
Sophomores	*Biology (1)
Juniors	Chemistry (1)
Seniors	Physics (1); and/or Anatomy (1)

4 YEAR COLLEGE BOUND / NON-SCIENCE RELATED MAJOR

Freshmen	*Physical Science (1)
Sophomores	*Biology (1)
Juniors	Chemistry (1) or Environmental Science (1)
Seniors	Anatomy (1) and/or Physics (1)

2 YEAR COLLEGE BOUND

Freshmen	*Physical Science (1)
Sophomores	*Biology (1)
Juniors	Environmental Science (1)
Seniors	Chemistry (1) or Anatomy (1) or Physics (1)

MATH

- Cedar Catholic High School requires 3 years/suggests at least 4 years.
- UNL requires 4 years.
- UNO/UNK require 3 years.
- Most Private Schools, Community Colleges, State Schools, etc... suggest at least the Cedar requirements.

4 YEAR COLLEGE BOUND / MATH RELATED MAJOR

Freshmen	*Algebra I (1) or Geometry (1)
Sophomores	*Geometry (1) or Algebra II (1)
Juniors	Pre Calculus (1)
Seniors	Calculus (1)

4 YEAR COLLEGE BOUND / COMPUTER SCIENCE RELATED MAJOR

Freshmen	*Geometry (1)
Sophomores	Algebra II (1)
Juniors	Pre-Calculus (1)
Seniors	Calculus (1)

4 YEAR COLLEGE BOUND / NON-MATH RELATED MAJOR

Freshmen	*Algebra I (1)
Sophomores	*Geometry (1)
Juniors	Trigonometry (1) or Algebra II (1)
Seniors	Pre-Calculus (1) or Trigonometry (1)

2 YEAR COLLEGE BOUND

Freshmen	*Algebra I (1)
Sophomores	*Geometry (1)
Juniors	Trigonometry (1) or Algebra II (1)
Seniors	Trigonometry (1) or Algebra II (1)

Cedar Catholic Academic Requirements (as they relate to College entrance requirements)

MATH

- Cedar Catholic High School requires 3 years of High School Math (8th grade Algebra I does not count toward these 3 years).
- Most 4 year colleges require at least 3 years.

SCIENCE

- Cedar Catholic High School requires 3 years.
- UNO/UNK/UNL Require 3 years.
- Most Private Schools, Community Colleges, State Schools, etc... suggest the Cedar requirements.

SOCIAL SCIENCES

- Cedar Catholic High School requires 3 years.
- UNO/UNK/UNL Require 3 years.
- Most Private Schools, Community Colleges, State Schools, etc... suggest the Cedar requirements.

ENGLISH

- Cedar Catholic requires 5 years.
- UNL/UNK/UNO require 4 years.
- All Private Schools, Community Colleges, State Schools, etc...are covered by the Cedar requirements.

FINE ARTS

- Cedar Catholic does not have any Fine Arts requirements, although most of our students elect to spend at least one year in a Fine Arts class (these classes include Band, Chorus, Art, etc).
- Some South Dakota schools (USD, SDSU, etc.) have a one year requirement

FOREIGN LANGUAGE

- Cedar Catholic requires none/suggests at least 2 years.
- UNL/UNK/UNO require 2 years
- Some Colleges and certain career fields suggest up to 4 years.

GENERAL INFORMATION

Registration

Registration is required in order to create a Master Schedule for the upcoming school year and to determine Student-Teacher ratio. This booklet is designed to assist you with the registration process. Please read through it carefully with your parents before selecting the courses for next year. Your parents/guardians are required to sign the registration sheet that you complete. This form is to be returned to the school and presented at the time of the formal registration.

All high school students are required to register for a minimum of 8 classes per day. A list of the required and elective courses is provided in this booklet to assist you in planning your years of study at Cedar Catholic Jr.-Sr. High School.

Information concerning course offerings is made available to students prior to the time of the annual spring registration. The Board of Education for Cedar Catholic Jr.-Sr. High School requires that a high school student earn a minimum of 28 credits for graduation. This minimum requirement of 28 credits includes, but is not limited to: 4 credits in Theology (Theology I, II, III, IV); 5 credits in Language Arts (English I, II, III, Eng. Comp., Eng. IV, & Speech); 3 credits in Social Sciences (Geography, American History II, Government); 3 credits in Math (Algebra I, Geometry, plus one elective); 3 credits in Science (Physical Science, Biology, plus one elective); 1 credit in Physical Education/Health, or Strength Training; and 1 credit in Spanish I.

College credit (Dual Credit) courses through the Early Entry program at NECC will be made available to the CCHS sophomores, juniors and seniors. These classes (Psychology, American History I or II, English Composition I and II, Sociology, Intro to Public Speaking, Intro. to Music, and World History among others) will count toward the high school graduation requirements as well as college credit classes.

COURSES OFFERED AT CEDAR CATHOLIC HIGH SCHOOL/OR HNPS

FRESHMEN

Required:

Algebra I or
Geometry

English I

Physical Science

Theology I

Activity P.E. or
Strength Training

American History II

Electives:

Art I

Band I

Intro. to Business

Business Finance

Chorus I

Intro. to Ag. Science

Spanish I

Web Design

Woods/Metals I

SOPHOMORES

Required:

Geometry or
Alg. II

English II

Biology

Theology II

World Geography

Electives:

Accounting I

Activity P.E.

Art I or II

Band I or II

Intro. to Business

Business Finance

Chorus I or II

Plant/Animal Science

Spanish II

Strength Training

Web Design

Woods/Metals I or II

World of Marketing

On-line Dual Credit Classes

JUNIORS

SENIORS

Required:

English III
 Theology III
 Speech/ Eng. Comp I;
or
 Adv. Speech/Adv. Eng.
 Comp I for College Credit

Electives:

Accounting I
 Advanced Computer Apps.
 Algebra II
 Art I, II, III
 Band I, II, III
 Business Finance
 Intro. to Business
 Business Technology
 Chemistry
 Child Development
 Chorus I, II, III
 Clothing/Home Design
 Computer Aided Drafting (CAD)
 Electricity/Small Engines
 Environmental Science
 Journalism
 Leadership/Landscaping
 Natural Resources/Ag. Business
 Office Procedures
 Operating Systems/Networking
 Pre-Calculus
 Spanish III
 Strength Training
 The World of Marketing
 Trigonometry
 Web Design
 Wildlife Management/Vet. Tech.
 Woods/Metals I or II
 On-line Dual Credit Classes

Required:

Theology IV
 Government
 English IV; or
 Adv. Eng. Comp. II for
 College Credit

Electives:

Accounting I
 Advanced Computer Apps.
 Algebra II
 Art I, II, III, IV
 Anatomy
 Band I, II, III, IV
 Business Finance
 Introduction to Business
 Business Technology
 Calculus
 Chemistry
 Child Development
 Chorus I, II, III, IV
 Clothing/Home Design
 Computer Aided Drafting (CAD)
 Electricity/Small Engines
 Environmental Science
 Journalism
 Leadership/Landscaping
 Natural Resources/Ag. Business
 Office Procedures
 Operating Systems/Networking
 Nutrition and Food
 Physics
 Pre-Calculus
 Spanish IV
 Strength Training
 Teacher's Aid/HT or CCHS
 The World of Marketing
 Trigonometry
 Web Design
 Wildlife Management/Vet. Tech.
 Woods/Metals I or II
 On-line Dual Credit Classes

RESOURCE ROOM

The resource room is designed to give certain qualifying students additional academic assistance they may need with regular education academics. In order for a student to receive additional academic assistance, there must be a referral from a regular education teacher. This referral states that the student needs additional help above and beyond that of the regular education teacher. There must also be communication between the regular education teachers and the resource teachers. This is necessary for both parties to know what is happening with the student's progress.

There are many activities that can aid a student by attending the resource room. They are reviewing homework, assignments, reviewing major concepts in chapters, using study skills, using flashcards, taking notes correctly and reading tests orally to students. The students in the resource room may benefit from one method or several. The focus is on the success and optimal learning of the student.

THEOLOGY DEPARTMENT

Cedar Catholic strives, not only to be a great school, but a great Catholic school. The teaching of values and the encouragement to live a good decent, human, Christian life is not limited merely to Theology classes. The entire faculty is to work

together to help the students develop physically, socially, mentally and spiritually. It is the task of the Theology Department to maintain this vision. This department is to be seen as supporting and being involved in other school courses and programs. Thus, Theology will be the "Salt of the Earth" which gives the distinct flavor that everything we do is for the glory of God.

The Theology Department assumes the specific responsibility of presenting to the students the beliefs, prayers and practices of the Catholic Church. Course offerings will help the student understand the wisdom of the Church's teachings and traditions. A study of the Sacred Scripture will aid them in this understanding.

Every Cedar Catholic student is enrolled in a Theology class each semester of the school year. The courses are as follows:

Title:	Theology I – Required Freshmen
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	None
Description:	<p>A major focus of this course is on the study of Sacred Scripture. This begins by focusing on the more basic natural instinct of a person to search out God. The naming and acknowledgment of this instinct for God lead students to desire a way to uncover the path of God's Revelation – beginning with the creation of man and woman, God's response to the Original Sin, the forming of the Chosen People, the giving of the Law, and the ultimate gift of his Son. In this course there will be discussion of the formation of the Bible, organization of Sacred Scripture, introducing each book of the Bible. In Christ, the students not only see Christ as the culmination of Salvation History, but they come to learn how Christ's Paschal Mystery of his Life, Death, Resurrection, and Glorification affects their own place in God's Kingdom.</p>
Content:	<p>Define Divine Revelation How did the Bible come to be in existence? Role of Sacred Scripture Difference between Sacred Scripture and Sacred Tradition Examine the Old Testament and New Testament Compare and contrast Synoptic Gospels – Matthew, Mark, Luke Interpret the Gospel of John</p>
Description:	<p>This course is designed to help students clearly understand the stages of Divine Revelation, culminating in the Life, Death, and Resurrection of Jesus Christ. The major focus of the course is on the mission of Jesus Christ as it is presented in the Gospel and through the teachings of the Church.</p>
Content:	<p>Explain Revelation as God's gift of himself What is faith in general? Identify Jesus as Son of God from all eternity and Son of Mary from the moment of the Incarnation Distinguish the Three Divine Persons of the Holy Trinity Identify Jesus as Fully God and Fully Human Explain how Jesus Christ reveals the Father to us, who we are, and our call to holiness Summarize the goal of this life and explain the life to come</p>
Title:	Theology II – Required Sophomores
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	None

Description:	New Testament will be taught 1 st Semester; Church History 2 nd Semester
Content:	<p>New Testament</p> <ul style="list-style-type: none"> • Historical Applications, Authorship, Gospels of Matthew, Mark, Luke, John, Acts of the Apostles, Letters and Book of Revelation • Study of the Protestant Reformation to present day Church <p>Old Testament</p> <ul style="list-style-type: none"> • The authorship of the Old Testament, Symbolism of the Old Testament, Historical Application, the Prophets, the Psalms, Proverbs
Title:	Theology III – Required Juniors
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	None

1st Semester: Sacraments as Privileged Encounters with Jesus Christ

Description:	The focus is on the Seven Sacraments of the Catholic Church.
Content:	<p>The Sacramental Nature of the Church</p> <p>The Sacraments of Initiation, Sacraments of Healing, and Sacraments at the Service of Communion</p> <p>Within each Sacrament identify the following:</p> <ul style="list-style-type: none"> Scriptural basis Essential Elements Celebration of each Sacrament Effects of each Sacrament Requirements for reception Minister of the Sacrament Living out each Sacrament

2nd Semester: Life in Jesus Christ

Description:	Christian Morality is about love – love of God and neighbor as oneself. Christian morality teaches students about the demands of the Gospel, which usually conflict with the values of our culture.
Content:	<ul style="list-style-type: none"> • The covenant nature of morality • Humans are made in God's Divine image • Making moral decisions • Freedom, laws, responsibility • Jesus is our moral norm • Conscience formation • Sin and forgiveness • Cardinal and Theological virtues • The Ten Commandments

Title:	Theology IV – Required Seniors (College Credit Option 1st Semester covers the same material)
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisites:	None

Content: This course focuses on the Profession of Faith – the essential beliefs of the Church, as enunciated in the Nicene Creed and draws from Part 1 of the Catechism of the Catholic Church as its principal source. Students will search for understanding and truth as they examine the creed professed by the Church to be the divine revelation of God. During the first semester, students will focus their attention on discerning the truth through the use of reason. They will study various philosophical traditions across history and learn to identify the truth throughout the power of reason. During the second semester, students will turn their focus to the truth as it has been revealed through Scripture and Tradition. In this they will better understand how the Catholic Church communicates the fullness of the truth to the world today.

ART DEPARTMENT

Title: **Art I – Elective Grade 9-12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisites: None
 Description: This course introduces numerous media technique. The student involved in the creative process dealing with both 2-D and 3-D skills. This course is et out to help you gain knowledge in your own individual skills and to help you appreciate different forms of art.

Content:

- Drawing and sketching basics
- Usage of the basic art elements and principles of design
- Painting – watercolor, tempera and acrylic
- Perspective
- Crafts – papermaking, poetry, weaving and batik
- Printmaking
- Sculpture
- Graphic Design/Computer Applications
- HyperStudio/Writing

Title: **Art II/III – Elective Grade 10-12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisites: Art I or Senior standing
 Description: The purpose of this course is to allow the students to develop technique, refine skill and experiment in new, more advanced art media types. The students will also study the history of the media used and artists discussed in this course.

Content:

- Review of the basic elements and principles
- Drawing—pencil, ink, charcoal, pens and colored pencils
- Painting – pastels, watercolor, acrylic, oils and printmaking
- Design and commercial art
- Sculpture – clay, paper, wire and wood
- Printmaking – block, intalio and monoprints
- Careers in art
- Art History
- Computer applications – graphics, pictify images & hyper studio, powerpoint

Title: **Art IV - Elective**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisites: Art III
 Description: The purpose of this course is to allow the student to develop technique, refine skill and

experiment in new, more advanced art media types. You must be a 4 year art student to take this class.

Content:

- Careers in art
- Application of art principles and design
- Figure Drawing
- Painting in oils
- Design and commercial art
- Sculpture – clay, paper, wire and wood
- Printmaking and the etching press
- Computer applications – Adobe Photoshop, digital portfolios & powerpoint

BUSINESS/COMPUTER DEPARTMENT

Title:

Business Finance – Elective – Grades 9-12

Credit:

1 Credit

Length of Course:

2 Semesters

Prerequisite:

None

Description:

Designing your own personal business finance portfolio along with other Finance issues

Contents:

- Planning personal finances
- Banking and credit
- Investing financial resources
- Protecting your finances
- Business ownership and planning
- Business finance basics
- Insurance and risks

Title:

Office Procedures – Elective –Grades 11-12

Credit:

1 Credit

Length of Course:

2 Semesters

Prerequisite:

Instructors permission

Description:

Students will learn basic office skills.

Contents:

- Answering Telephone; Taking & Delivering Messages
- Working with copier and office equipment
- Filing

Title:

Accounting I – Elective – Grades 10-12

Credit:

1 Credit

Length of Course:

2 Semesters

Prerequisite:

None

Description:

Students will learn basic Accounting skills

Contents:

- Basic accounting forms
- Debits and Credits
- Journals and Transactions
- Posting to Ledgers
- End of Fiscal Period Reports
- Special Journals
- Partnership and Corporation Accounting

Title:

Introduction to Business – Elective – Grades 9-12

Credit:

1 Credit

Length of Course:

2 Semesters

Prerequisite:

None

Description:

An introductory overview of the Business, Marketing, and Management Career Fields.

Contents:

- Economic systems

- Forms of Business Ownership
- Management
- Marketing
- Accounting

Title: **Web Design and Development – Elective Grades 9-12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: Students will learn basic designing and architecture skills using an architectural design program. Students will learn photo editing skills using the Photoshop program. Students will demonstrate knowledge of web design and languages, and utilize web design software to develop web pages.

Contents:

- Google Sketch-up
- Adobe Programs and Website Development Programs

Title: **The World of Marketing – Elective Grades 10-12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: The purpose of this course is to become aware and learn about the marketing world. The course starts off having the student's learn about the basic marketing functions. When students have mastered the basic skills of marketing they then will tap into the sports marketing world.

Contents:

- Introduction to Marketing Principles
- Sports Marketing

Title: **Business Technology – Elective Grades 11-12 (HNPS)**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: The goal is to introduce technology that may be used for entrepreneurs and businesses.

Contents: Adobe Design Web Premium – Photoshop, Illustrator, Dreamweaver, InDesign, Flash, Adobe Acrobat Professional; Alice Programming – Creating Games; Blender Animation – Creating your own moving characters; Robotics, including Spheros and NXT

Title: **Computer Applications II – Elective Grades 11-12 (HNPS)**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Information Applications
 Description & Contents: This course is designed to expose students to as many different software and applications as possible. Microsoft Office, including word, excel, publisher, access, and powerpoint and comparing them to the features of Google Docs, Sheets, Slides etc. Different online applications including, but not limited to: Smore- creating brochures, Powtoon-Animation Creation, Sploder-game development, Padlets, Prezis, etc. The more exposure to applications, the better troubleshooting skills become.

Title: **Operating Systems and Networking – Elective Grades 11-12 (HNPS)**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description and Contents: This course is designed to expose students to the basics of networks, the Internet, and World Wide Web. Students will also learn how computers work. They will be exposed to and learn

about various pieces of software and hardware. There will be opportunities to troubleshoot and fix computers throughout the school.

FOREIGN LANGUAGE DEPARTMENT

Title: **Spanish I – Elective (not required but suggested)**
Credit: 1 Credit
Length of Course: 2 Semesters.
Prerequisite: None
Description: At the beginning level of the Spanish Language students will learn basic Skills.

Contents:

- Make introductions
- Talk about needs and wants
- Talk about things you like and explain why
- Discuss what you and others do during free time
- Describe a family
- Make plans
- Talk about meals and food
- Seasons/weather/calendar info
- Conjugate present tense verbs; regular and irregular
- Count and use ordinal numbers
- Describe school classes and places in school
- Ask for help and respond to requests
- Make suggestions and express feelings
- Tell time

Title: **Spanish II – Elective (not required but suggested)**
Credit: 1 Credit
Length of Course: 2 Semesters
Prerequisite: Spanish I
Description: Developing level in which students express and elaborate on basic needs.

Contents:

- Describe yourself
- Describe classroom objective and activity, affirmative and negative words
- Talk about how you're feeling
- Talk about hobbies and pastimes
- Make plans for after school
- Make Comparisons
- Order in a restaurant
- Describe your community and family
- Talk about your weekend
- Learn clothing words and verbs
- Compare Ser vs. Estar
- Talk about summer vacation
- Talk using the preterite verb tense
- Learn stem changing verbs
- Use direct object pronouns
- Learn reflexive verbs

Title: **Spanish III - Elective**
Credit: 1 Credit
Length of Course: 2 Semesters
Prerequisite: Spanish I, II
Description: Expanding level in which students participate in the target language in analytical and higher-level tasks

Contents:

- Use various verb tenses
- Express and support your point of view

- Use direct and indirect objects
- Use formal and informal commands
- Compare Ser and Estar
- Compare preterite to and imperfect
- Spanish literature
- Talk about hopes and wishes
- Make suggestions and recommendations
- Give advice about health and nutrition

Title:	Spanish IV - Elective
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	Spanish III
Description:	Proficiency level in which students participate in the target language in analytical and high-level tasks
Contents:	<ul style="list-style-type: none"> • Talk about what's possible and impossible • Talk about your emotional reactions • Build on verb tenses • Use comparisons and superlatives • Use subjunctive tense • Use real-life situations to practice speaking skills • Spanish Literature

FAMILY & CONSUMER SCIENCES

Title:	Nutrition and Food – Elective –Grade 12 (HNPS)
Credit:	1 Credit.
Length of Course:	2 Semesters
Prerequisite:	None
Description:	Study of food, its preparation and its effect on the human body
Contents:	<ul style="list-style-type: none"> • The Six Nutrients • Meal Planning • Appliances & Equipment • Food Buying • Microwave Cooking • The nutrition, preparation & attributes of: <ul style="list-style-type: none"> Fruits Vegetables Grains Milk Cheese Eggs Meals, Poultry, Fish Breads Foreign Foods

Title:	Home Design– Elective –Grades 11-12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	None
Description:	Study of the many aspects of clothing selection, construction and care, including textiles
Contents:	<ul style="list-style-type: none"> • Housing & Human Needs • Elements & Principles of Design

- Structure of a House
- Housing Selection
- Floor Plans
- Furniture Design and Selection
- Designing & Furnishing a Room
- Housing Financial Considerations

Title: **Clothing Design – Elective – Grades 11-12 (HNPS)**
 Credit: ½ Credit
 Length of Course: 1 Semester
 Prerequisite: None
 Description: Study of the many aspects of clothing selection, construction and care, including textiles.

Contents

- Elements & Principles of Design
- Clothing Selection
- Textile Creation, Selection, Design
- Clothing Construction (How to Sew)
- Clothing Care and Repair

Title: **Human Relations – Elective (HNPS)**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: Study of many aspects of clothing selection, construction and care including textiles

Contents:

- Personality Principles
- Relationship Principles
- Communication
- Cultural & Racial Diversity
- Family Relationships

Title: **Health Science Careers – Elective (HNPS)**
 Credit: 1 Credit
 Length of Course: 2 Semester
 Prerequisite: None
 Description: Study of the information and skills required of professionals in the field of Health Care. Health Science Careers is part of a three year program for students interested in health science careers.

Contents

- Communications
- Health Systems
- Employability Skills
- Legal Responsibilities
- Ethics
- Safety Practices
- Technical Skills
- Information Technology

Title: **Child Development – Elective –Grade 12 (HNPS)**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Junior or Senior Standing Only
 Description: Study of many phases of childhood and the corresponding phases of Parenthood
 This class has an online segment. Be prepared to submit homework and take Quizzes over the Internet

Contents:

- Decision to Parent

- Pregnancy & Childbirth
- The Newborn
- Physical & Intellectual Development of Infants
- Physical, Intellectual, Emotional & Social
- Development of Preschoolers
- Physical, Intellectual, Moral & Social
- Development of School Age Children
- Adolescents

LANGUAGE ARTS DEPARTMENT

Title:	English I – Required Freshmen
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	None, Freshmen Required Course
Description:	A study of literature (such as poetry, novels and short stories), of standard English (focus on most common grammar and punctuation errors/learn the proper way to write), and a study of writing (narrative, expository, and persuasive) – including writing a research paper which follows the MLA format).
Contents:	<ul style="list-style-type: none"> • Read, analyze and discuss and/or perform literature (poems, short stories, dramas and novels including reading 1 novel independently and responding/reflecting in writing on a Reading Response Logs during each quarter). • Develop vocabulary skills through units in a vocabulary text (ACT/SAT prep) • Identify common mistakes and practice proper standard English – grammar and punctuation • Read, analyze and discuss nonfiction and fiction literature during a Holocaust Unit – includes reading the book, <u>Night</u> by Elie Weisel, and comparing them to a movie, either <u>The Devil's Arithmetic</u> or <u>The Boy in the Striped Pajama's</u>, watching Elie and Oprah visiting Auschwitz during the 60th anniversary of the liberation of the camps called – “Elie Weisel's Return Auschwitz”, watching and reading about survivors and liberators (source – <u>Echoes and Reflections</u> from the National Holocaust Museum). • Poetry – including participation in the Poetry Out Loud Contest • Write various types of writing (narrative, expository and persuasive) – following the writing process and using the 6 Traits of Writing and including writing an MLA format – an historical fiction research paper. • Read, analyze and discuss Romeo and Juliet – including parts of the story, figurative language, and literary elements.
Title:	English II – Required Sophomores
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	English I
Description:	This course builds upon the Freshman year introduction to literature and enables students to further analyze more advanced types of literature while enhancing written and verbal expression. Students will build a career portfolio which will empower them to explore their assessment data, interests and strengths to begin the planning for their upper classmen course offerings and post-secondary opportunities.
Contents:	<ul style="list-style-type: none"> • Various novels <u>To Kill A Mockingbird</u>, <u>The Giver</u>, <u>Great American Short Stories</u>

- Julius Caesar
- Short Stories, Non-Fiction, Fiction
- Career portfolio development including Job Shadow, an oral report, resume and a research paper and APA format
- Mythology-Greek Mythology, Various Stories

Title: **English III – Required Juniors**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: English I, II

Description: This course provides an overview of American literature from the Colonial Period to the Contemporary Period, allowing students to examine samples of traditional, classic, and multi-ethnic selections that represent this country's cultural diversity. Selections include poetry, drama, fiction, nonfiction, and informational texts. As students read, they are asked to focus on comprehension, analysis, evaluation. As students write, they work to develop the six traits of writing. In addition, students develop vocabulary, grammar, and standardized testing taking skills.

- Contents:
- Early American Literature 1620-1700
 - A New Nation 1750-1800
 - A New Literature 1800-1880
 - A New Maturity 1860-1900
 - Twentieth Century Literature
 - Four novels included in respective units/time periods
 - Reflection upon the influence of writers' lives on their work
 - Essays of literary analysis using the MLA Format
 - Grammar skills – review of parts of speech, sentence structure, phrases, clauses and punctuation
 - Integration of literary elements
 - ACT Preparation

Title: **English IV – Required Seniors**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: English I, II, III

Description: This course focuses on British Literature to explore various types of text: fiction, nonfiction, short stories, novels and poetry. Students will complete various projects throughout the year that integrate and demonstrated mastery of the Archdiocesan standards in the areas of reading, writing, listening and speaking as well as viewing. The culminating project is the Research Paper and Portfolio where seniors will synthesize their experiences in life, this Catholic School and their definition of whom they are in God.

- Contents:
- British Literature
 - College Application Essays-Resume Building/Revamping
 - Various novels-1984, The Time Machine, Frankenstein, Tale of Two Cities, Paradise Lost
 - Shakespeare, Milton, Dickens, Anglo-Saxon Works
 - MacBeth, Hamlet
 - Short Stories, Epic Prose and Poetry
 - ACT refresher (fall)
 - Senior Project, Gospel of Me

Title: **Speech – Required Juniors**
 Credit: 1/2 Credit
 Length of Course: 1 Semester
 Prerequisite: None

Description: Students will learn about the role of communication in our lives, the communication model, delivery styles and the effectiveness of language, gestures and organization techniques. Students will acquire skills necessary for the planning, rehearsing and delivering oral presentations that reflect a clear purpose. Students will also learn strategies for improving vocal and physical expression.

- Contents:
- Study of communication process

- Building confidence
- Nonverbal Communication
- Speech Content – Research, organization, logic, effective language
- Effective Delivery
- Listening Strategies
- Speeches to inform, persuade, debate, entertain

Title:	Advanced Speech – College Credit – Elective Juniors (this meets the Junior Requirement)
Credit:	½ Credit
Length of Course:	1 st Semester
Prerequisite:	English I, II, III; Top ½ of class; 90% average or above; and test scores will be used to determine eligibility
Description:	This course will assist the student to master the skills required of speaking in today's workplace. It will focus on the organization, preparation, research and evidence needed for a presentation that is tailored to fit the audience. This course will enhance the student's listening skills which will assist them in everyday situations.
Contents:	<ul style="list-style-type: none"> • Apply knowledge of the communication process. • Identify and perform skills necessary for selected types of public speeches • Acquire knowledge of the importance of effective language, voice, gestures and presentational aids in public speaking. • Research and organize a variety of speeches • Incorporate information from outside source(s), ethically, effectively and appropriately. • Respond critically to questions raised by readings and speeches. • Listen to, analyze and evaluate various types of speeches within their cultural context.

Title:	English Composition – Required Juniors
Credit:	1/2 Credit
Length of Course:	2 nd Semester Only
Prerequisite:	English I, II, III
Description:	English Composition will provide opportunities for students to refine their creative and expository writing skills beyond those developed in the required English Language Arts class. They will experience different literary genres and various types of language use through their own writing. Students will learn about language processes, elements and conventions as they read, write and discuss their writing and the writing of their classmates.
Contents:	<ul style="list-style-type: none"> • The study of writing • Strategies and techniques of writing • The writing process • Informative writing • Persuasive research paper using the MLA style • Creative writing

Title:	Journalism - Elective
Credit:	1 Credit
Length of Course:	2 Semesters (Limited to 7-9 students)
Prerequisite:	Approval of Instructor for Junior or Senior.
Description:	<p>The introductory journalism course offers the student total involvement in the production of the school yearbook. Activities include advertising, on-line layout and design, photography, copy writing, proofing, and yearbook sales. The course is also responsible for the production of the school newspaper, Cedar Ink.</p> <ul style="list-style-type: none"> • Write copy for yearbook and articles for the newspaper • Develop layouts

- Sell and create advertising
- Computer use of Walsworth Online program
- Fundraising

Title:	Advanced English Comp I-College Credit – Elective Juniors (this meets the Junior Requirement)	
Credit:	1/2 Credit	
Length of Course:	2 nd Semester Only	
Prerequisite:	English I, II, III; Top ½ of class; 90% average or above; and test scores will be used to determine eligibility.	
Description:	Designed to develop writing skills. Students write papers and essays which emphasize the importance of clarity, idea development, focus, organization, word choice, logic and sentence construction. The process of planning, writing, revising, and editing essays for a particular audience and basic research-related skills are also emphasized.	
Contents:	<ul style="list-style-type: none"> • Analyze an audience • Identify the purpose of writing • Select appropriate subjects • Collect information/ideas. • Formulate thesis/purpose/organizational statements • Utilize MLA document design and source citation style. • Write essays • Revise essays • Edit essays • Order information 	

Title:	Advanced English Comp II-College Credit – Elective for Seniors (This meets the Senior Requirement)	
Credit:	½ Credit	
Length of Course:	1 st Semester Only (Fall)	
Prerequisite:	English I, II, III Top ½ of class; 90% average or above and test scores	
Description:	This course fulfills a General Education requirement in Humanities for the AA and AS degrees. One goal of the course will be to develop social and cultural awareness related to personal decisions, cultural diversity and global interconnectedness. Students will be able to acknowledge how diversity among people and belief systems impacts society; and recognize ethical and responsible behavior in society, the global community and the natural world. Progress in this area will be assessed with the following graded assignment; MLA research-based literary analysis.	
Contents:	<ul style="list-style-type: none"> • Read critically the short stories, novel, drama and poetry assigned • Respond and react to the literature you read using a literary vocabulary • Write literary analysis papers using a clear thesis and ample support • Recognize common themes among the literary pieces you read • Strengthen reading and writing skills • Analyze cultural unity and diversity in the works read 	

MATH DEPARTMENT

Title:	Algebra I – Required Freshmen (or 8th Grade)
--------	----------------------------------------------------------------

Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Completion of 8th grade Math for Freshmen.
 Description: Algebra I reviews the basic skills and concepts covered in previous mathematics classes. This course provides a wide array of tools to help students move from the concrete to the abstract. Graphing and problem solving are used extensively to help students move toward understanding the abstract. Algebra I is the foundation that students will build upon in subsequent courses.

Contents:

- Basic Algebra Vocabulary
- Solving Equations
- Solving and Graphing Inequalities
- Identifying, Writing and Interpreting Functions
- Solving, Graphing and Interpreting Systems of Equations and Inequalities
- Exponents and Polynomials
- Factoring Polynomials
- Solving and Graphing Quadratic Functions and Equations
- Analyzing Data and Probability
- Graphing and Interpreting Exponential and Radical Functions
- Graphing, Solving and Interpreting Rational Functions and Equations

Title: **Geometry – Required Freshmen/Sophomores**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Algebra I
 Description: This course is a study of geometric shapes and the theorems and postulates relating to these shapes. Students will use both inductive and deductive reasoning in solving problems and in doing proofs. Technology will be used as a tool to facilitate learning and doing mathematics.

Contents:

- Proof
- Parallelism
- Congruence
- Polygons
- Special Quadrilaterals
- Right Triangles
- Coordinate Geometry
- Circles
- Area and Volume
- Transformations

Title: **Algebra II - Elective**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Algebra I and Geometry
 Description: This course is a study of real and complex numbers and their use in solving and equations and functions from real world mathematics problems.

Contents:

- Real and Complex Numbers
- Equations and Inequalities
- Functions and Graphs
- Matrices and Determinants
- Polynomials and Rational Expressions
- Conic Sections
- Logarithms

Title: **Trigonometry - Elective**
 Credit: 1 Credit

Length of Course: 2 Semesters
 Prerequisite: Algebra I and Geometry
 Description: This course is a study of circular functions, right triangle trigonometry, and applications. Algebra skills are also reviewed.
 Contents:

- Trigonometric Functions
- Right Triangle Trigonometry
- Law of Sines and Law of Cosines
- Algebra Review
- Radian Measure and Circular Functions
- Graphs of Circular Functions
- Trigonometric Identities
- Inverse Trigonometric Functions
- Polar Coordinates

Title: **Pre-Calculus - Elective**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Algebra II
 Description: This course is a study of various pre-calculus topics including functions, exponential functions, and discrete mathematics
 Contents:

- Functions and Their Graphs
- Polynomial and Rational Functions
- Exponential and Logarithmic Functions
- Trigonometric Functions
- Analytic Trigonometry
- Systems of Equations and Inequalities
- Sequences, Series and Probability
- Limits and an Introduction to Calculus

Title: **Calculus – Elective**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Pre-Calculus
 Description: This course is a study of college level calculus topics and their real world applications.
 Contents:

- Limits and Continuity
- Derivatives
- Applications of Derivatives
- Definite Integrals
- Differential Equation
- Applications of Definite Integrals

MUSIC DEPARTMENT

Title: **Choir I, II, III, IV - Elective**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Must have a desire to sing and be part of a team.
 Description: Developing vocal abilities through the use of various forms of music Literature. Students will develop a sense of community through leading the music at Sunday liturgies.
 Contents:

- Vocal Development

- Variety of concert and contest music
- Solo and small groups
- Sacred/Church music – singing for school liturgies
- Written responses of concerts
- Music Theory

Title: **Band I, II, III, IV- Elective**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Must have Jr. High Band
 1-2 Years Elementary Band or Permission of the Director.

Description: This course is intended to develop and enhance instrumental music abilities. Student's positive participation in class and participation in concerts and games are the main focus for grading in this class.

Contents:

- Variety of pep band music
- Variety of concert music
- Solo and small group music
- Musical terms needed to play
- Marching skills for parades and half-time shows

PHYSICAL EDUCATION/HEALTH DEPARTMENT

Title: **Physical Education (Activity PE)**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: Any high school student can register for Activity PE. The class requires students to participate in a wide range of activities. Students will be asked to learn different games and activities throughout the year. When weather permits, we will be outside playing games. At times when we cannot go outside we will use the gym for many purposes. Student's participation and initiative to contribute are the main focus for grading in this class.

Contents:

- Whiffle Ball
- Soccer Ball
- Badminton
- Volleyball
- Basketball
- Frisbee
- Pickle Ball
- Bowling
- Golf

Title: **Strength Training**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: Any high school students can take Strength Training. Students who take Strength Training will have lifting workouts provided for them. Supplemental activities to their lifting workouts include; plyometric exercises, cardio exercises and conditioning drills. Students may want to take this class for physical well-being or conditioning for Cedar Catholic extracurricular activities.

Contents:

- Weightlifting
- Conditioning Drills
- Plyometric Activities

AGRICULTURAL SCIENCE/INDUSTRIAL TECHNOLOGY

Title:	Introduction to Agriculture- Elective Grade 9 (HNPS)
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	None
Description:	This is a core course for the Agriculture, Food and Natural Resources Career Cluster which will build a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agricultural careers, products, resources, and leadership skills including animal science, plant science, leadership, public speaking, parliamentary procedure, range management, dairy cattle and livestock selection, food science, and record keeping. It is intended to combine classroom instruction, supervised agricultural experience, and activities in the FFA organization to prepare students for careers.
Title:	Animal Science – Elective Grade 10 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Agricultural Science I
Description:	This course focuses on the basic scientific principles and processes that are involved in the livestock industry. The course includes lessons about animal classification, animal physiology, breeding and reproduction, nutrition and health. Livestock trait selection and general animal care. Learners will also be exposed to career opportunities in the livestock industry.
Title:	Plant Science – Elective Grade 10 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Introduction to Agriculture
Description:	This course focuses on knowledge, information and skills related to the science of plant production and agronomy. Learners will be exposed to skills for careers in horticulture, agricultural production and management, and science. Topics include taxonomy and crop identification, growth and reproduction, biotechnology and research, nutrition and chemical use, pest control, and soil conservation.
Title:	Wildlife Management – Elective Grade 11 & 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Introduction to Agriculture
Description:	This course emphasizes how humans and animals may both take advantage of the same land without depleting natural resources or plant and animal populations. Learners will be exposed to careers in wildlife management, principles of zoology, principles of ecology, the history of wildlife management in America, requirements of wildlife habitats, wildlife population control, endangered and threatened species of wildlife, conservation of natural resources, and outdoor recreational management.
Title:	Introduction to Veterinary Medicine – Elective Grade 11 & 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Animal Science
Description:	This course introduces students to the basics of animal care and animal physiology. Topics covered include basic cell biology, tissue types and functions, musculoskeletal system, circulatory system, respiratory system, renal system, digestive system, reproductive system, nervous system, endocrine system, immune system, basic nutrients, diseases and parasites and principles of surgery.
Title:	Leadership – Elective Grade 11 & 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Introduction to Agriculture

Description:	This course is designed to help students develop interpersonal skills and employment skills. Students will develop skills in such areas as stress management, time management, communication, conflict handling and team building. Students will also learn concepts such as leadership styles, decision making, problem solving, goal setting, self concept, attitudes and work ethic.
Title:	Landscaping – Elective Grade 11 & 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Plant Science
Description:	This course is designed to provide students with a basic understanding of landscape design, landscape plant use and function, landscape plant identification and customer service skills. Students will gain experience through a hand-on landscape project.
Title:	Woods I – Elective Grade 9 – 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	None
Description:	This class is designed to provide knowledge of safety procedures, proper tool usage, lumber selection, project design and planning and basic woodworking techniques. Students will practice and enhance skills by building an assigned project.
Title:	Metals I – Elective Grade 9 – 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	None
Description:	This class is designed to provide knowledge of safety procedures, proper welder usage, project design and planning, and basic welding techniques for shielded metal arc welding, oxy-acetylene welding and metal inert gas welding. Students will practice and enhance skills by completing all welding modules.
Title:	Woods II – Elective Grade 10 – 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Beginning Woods
Description:	This class is designed to enhance knowledge of safety procedures, proper tool usage, lumber selection, project design and planning and advanced woodworking techniques. Students will build a personal project of choice.
Title:	Metals II– Elective Grade 10 – 12 (HNPS)
Credit:	½ Credit
Length of Course:	1 Semester
Prerequisite:	Beginning Metals
Description:	This class is designed to enhance knowledge of safety procedures, proper welder usage, project design and planning and advanced welding techniques for shielded metal arc welding, oxy-acetylene welding and metal inert gas welding. Students will practice advanced skills by completing all welding modules. When skills are mastered, students will build a personal project of choice.
Title:	Auto CAD– Elective Grade 11 – 12 (HNPS)
Credit:	1 Credit
Length of Course:	2 Semesters
Prerequisite:	Beginning Woods
Description:	This course is designed to introduce students to the Revit Architecture software program. Students will develop an understanding of how to interpret and model BIM (Building

Information Modeling) and residential architectural drafting plans. Students will learn how to read and interpret existing architectural drafting plans. Students will then develop an understanding of how to navigate and use the Revit Architecture Program. Students will then design and model their own house plans in accordance with national ANSI standards.

Title: **Electricity– Elective Grade 11 – 12 (HNPS)**
Credit: ½ Credit
Length of Course: 1 Semester
Prerequisite: None
Description: This course is offered 1st semester. It is an introductory course to help understand theory of basic electricity. Students will comprehend electrical current starting with electron current flow. Students will develop an understanding of the concepts, uses, and how to calculate resistance, voltage, current, inductance, and capacitance and how they apply to both AC and DC circuits. Students will understand basic electrical safety procedures and hands on basic house wiring.

Title: **Small Engines– Elective Grade 11 – 12 (HNPS)**
Credit: ½ Credit
Length of Course: 1 Semester
Prerequisite: None
Description: This course is offered 2nd semester. It is an introductory course designed to familiarize students with the terminology, identification, and understanding of parts and procedures of small engines. This course covers theory of operation, disassembly, inspection, troubleshooting, assembly, and tuning of small gasoline fueled engines. Emphasis will be placed on understanding the universal principles of induction, efficiency, compression, emissions control, exhaust, wiring, and tuning that are common to all internal combustion engines.

SCIENCE DEPARTMENT

Title: **Physical Science – Required Freshmen**
Credit: 1 Credit
Length of Course: 2 Semesters
Prerequisite: None
Description: This is the study of the physical and chemical world.
Contents:

- Matter
- Energy
- Inorganic chemistry
- Motion
- Forces
- Carbon Chemistry
- Electromagnetic Energy
- Light
- Sound
- Wave Motion

Title: **Biology – Required Sophomores**
Credit: 1 Credit
Length of Course: 2 Semesters
Prerequisite: None
Description: A study of living organisms
Contents:

Students will investigate and explain:

- The relationships between organisms, populations, communities, and ecosystems.
- The web of life in comparison to the food web (including – resources, limiting factors, competition and extinction)
- Flow of matter and energy through an ecosystem
- The role of effects of man on the environment (including excess use of fossil fuels, alternate energy forms, recycling, land development, poaching, black market/illegal selling/buying, chemical/waste dumping).
- Organelle functions, internal activities or processes (cellular respiration and photosynthesis) and division of cells (mitosis and meiosis).

- Plant and animal reproduction
- Fetal development (physical and mental characteristics and abilities at what age/stage).
- Heredity (genetics, probability of traits, defects or mutations, etc.)
- Classification of organisms
- Theories of evolutions (biological evolution and creation).

Title: **Environmental Science – Elective Grade 11-12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Biology
 Description: The design of this course will enable students to learn science concepts and topics through a hands-on, inquiry and problem-solving approach.

Contents:

- Nature of Science
- Motion, Forces, Energy
 - Motion, velocity, acceleration and forces
 - Energy: its conservation: sustainability: sources
 - Wind turbines: solar and hydrogen cars
 - Work and Machines
 - Earth-Moon-Sun System and Solar System
- Energy in Motion
 - States of Matter: Heat
 - Waves: Sound: Light
 - Soils: Earth's Internal processes
- Forms of Energy
 - Electricity: Magnetism: Electromagnetic Radiation
 - Weather and Climate
- Matter & Earth Materials
 - Classification of Matter
 - Atoms and Periodic Table
 - Earth Materials Minerals: Rocks
 - Earth's Changing Surface: Erosion/Weathering
- Interactions of Matter
 - Chemical Bonds
 - Chemical Reactions
 - Solutions & Acids: Bases
 - Nuclear Changes
 - Stars and Galaxies

Science, Technology and Society
 Creek water sampling and testing
 Ground water sampling and testing
 Ecological studies

Title: **Anatomy – Elective-Grade 12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Biology and Chemistry or Earth Science.
 Description: The study of the human body-structure and function.

Contents:

- Tissues
- Skeletal System
- Muscular System
- Nervous System
- Endocrine System
- Blood & Circulation
- Respiratory System
- Digestive System
- Urinary System

- Reproductive System

Title: **Chemistry - Elective – Grade 11 or 12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Physical Science, Algebra I and enrolled in Algebra II or have taken Algebra II
 Description: This course is a study of the structure and properties of matter. Facts, formulas and principles of chemistry are studied and critical-thinking and problems-solving skills are developed for use not only in chemistry but in everyday life.

Contents:

- Atomic Theory
- Periodic Table
- Chemical Reactions
- Stoichiometry
- Gas Laws
- Acids and Bases
- Organic Chemistry

Title: **Physics – Elective – Grade 12**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: Algebra II, Pre-Calculus
 Description: The study of the physical works.

Contents:

- Force
- Measurement
- Motion
- Work
- Energy
- Electricity
- Light
- Thermodynamics

SOCIAL SCIENCE DEPARTMENT

Title: **World Geography – Required as a Sophomore**
 Credit: 1 Credit
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: World Geography is a class designed for high school sophomores. The first semester of the class will be spent learning basic geographical skills. During the second semester of class the students will have a chance to study and examine different parts of the world. We will compare the physical characteristics, population, history, cultural characteristics, and their modern geography of the major regions of the world.

Contents:

- Themes of Geography
- Map making and reading skills
- Earth and sun relationships (seasons and why they change)
- Climate Regions of the World
- Physical, political, and cultural geography of: U.S., Canada, South America, Europe, Russia,

North Africa, the Middle East, South Africa, Asia, Oceania, and Australia.

Title: **American History II – Required Freshmen**
Credit: 1 Credit
Length of Course: 2 Semesters
Prerequisite: None
Description: The class will focus mainly on 20th and 21st century history.
Content:

- Progressivism
- World War I causes and events
- US Depression
- World War II causes and events
- Cold War Beginnings
- Vietnam War

Title: **Government – Required Seniors**
Credit: ½ Credit
Length of Course: 1 Semester
Prerequisite: None
Description: This course offers an in-depth analysis of the development of government and the role of government in the modern world. Students concentrate on the evolution of the first governments to the modern bureaucratic machine of today's political system.
Contents:

- Political Behaviors
- Foundations of American Government
- The Three Branches of Government
- Economic Systems
- State and Local Governments
- Current Events
- Elections
- Federalism

Title: **American Politics – Required Seniors**
Credit: ½ Credit
Length of Course: 1 Semester (following Government)
Prerequisite: None
Description: This course offers a survey of modern American politics beginning with the post-World War II. This course emphasizes the major domestic and international events that have impacted the development of United States as a whole.

Contents:

- Effect of government policies on the people of the United States
- Development of government policies and predicted and actual effect
- Historical events that impacted the US and the world
- The Cold War
- The Korean War
- The Vietnam War
- The Civil Rights Movement
- Modern Presidents

- Watergate

College Credit/General Education Options

Title:	Introduction to Psychology for College Credit- Elective	
Credit:	½ Credit	
Length of Course:	1 Semester	
Prerequisite:	None	
Description:	The study of human behavior and mental process. A broad view of an individual's personal development and group interaction.	
Contents:	<ul style="list-style-type: none"> ♦What is Psychology? ♦Biology and Psychology ♦Sensation and Perception ♦Consciousness ♦Learning ♦Memory ♦Cognition and Language ♦Motivation and Emotion ♦The Voyage Through the Lifespan ♦Personality ♦Gender and Sexuality ♦Stress, Health and Adjustment 	<ul style="list-style-type: none"> ♦Psychological Disorders ♦Social Psychology ♦Methods of Therapy

Title: **Introduction to Sociology for College Credit - Elective**
 Credit: ½ Credit
 Length of Course: 1 Semester
 Prerequisite: None
 Description: The study of human societies and human behavior in the groups that make up a society. This is an introduction to the basic principles of sociology.

Contents:

- ♦Sociology
- ♦The Tools of Sociology
- ♦Culture
- ♦Socialization
- ♦Interaction in Groups
- ♦Societies and Nations
- ♦Stratification and Global Inequality
- ♦Social Class
- ♦Inequalities of Gender
- ♦Youth and Age
- ♦Race and Ethnicity

- ♦Deviance and Social Control
- ♦Family
- ♦Religion
- ♦Economics
- ♦Education
- ♦Politics
- ♦Science, Technology & Medicine
- ♦Global Social Change
- ♦Population, Urbanization and the Environment

Title: **Introduction to Music for College Credit – Elective**
 Credit: ½ Credit
 Length of Course: 1 Semester
 Prerequisite: None

Description: Study of the development of music and how it relates to the events of our past and present. All types of music included.

Contents:

- Know the music in the great tradition of Western art music
- Know the major composers and some of their compositions in the history of Western art music
- Have obtained an appreciation of music
- Discuss the development of the various forms of music.
- Listen intelligently to music from the middle Ages through music of the 20th Century

Title: **Introduction to Biology for College Credit - Elective**
 Credit: ½ Credit
 Length of Course: 1 Semester
 Prerequisite: None
 Description: The study of living organisms. This is an introduction to the basic principles of Biology.

Contents:

- Cell Theory: all living organisms are composed of cells. The cell is the basic unit of life.
- Gene Theory: traits are inherited through gene transmission. Genes are located on chromosomes and consist of DNA.
- Evolution: any genetic change in a population that is inherited over several generations. These changes may be small or large, noticeable or not so noticeable.
- Homeostasis: ability to maintain a constant internal environment in response to environmental changes.
- Thermodynamics: energy is constant and energy transformation is not completely efficient.

Title:	American History II (College Credit) – Elective
Credit:	1/2 Credit
Length of Course:	1 Semester
Prerequisite:	Top ½ of class; 90% average or above; and &/or high standardized test scores.
Description:	The course covers mainly WWI, WWII, the Korean War, and the Vietnam War.
Contents:	Students focus on conflict and cooperation that has led to the development of a distinct and diverse modern society. <ul style="list-style-type: none"> • Progressivism • World War I causes and events • US Depression • World War II causes and events • Cold War Beginnings • Vietnam War

7TH & 8TH GRADE REGISTRATION INFORMATION

BUSINESS/COMPUTER DEPARTMENT

Grade:	7
Title:	Computer Applications - Required
Length of Course:	2 Semesters
Prerequisite:	None
Description:	The purpose of this class is to review skills and introduce new concepts in word processing, spreadsheets, and database skills. Students will also be able to create projects using slide presentations and multimedia programs.
Contents:	<ul style="list-style-type: none"> • Google Apps • Word Processing Applications • Spreadsheet Applications

- Database Applications
- Presentation Applications

Grade:	8
Title:	Introduction to Business -Required
Length of Course:	2 Semesters
Prerequisite:	None
Description:	Show how businesses work and the impact they have on students' everyday lives
Contents:	<ul style="list-style-type: none"> • Our Economic Environment • Business Operations • Business and Government in our Global Economy • Small Business Management • Careers in our Global Economy • Consumers in the Economy • Financial Institutions and Banking Services • Credit in our Economy • Savings and Investment Strategies • Risk Management • Personal Financial Management

LANGUAGE ARTS DEPARTMENT

Grade:	7
Title:	Language Arts - Required
Length of Course:	2 Semesters
Prerequisite:	Required
Description:	An introduction to the study of literature, standard English/grammar and punctuation and writing.
Contents:	<ul style="list-style-type: none"> • Read, analyze and write book reviews (covers the genre, parts of a book, summary, and recommendation) for 12 books that are read independently during the school year. Three books are due each quarter. • Develop vocabulary skills through units in a vocabulary test (ACT/SAT prep) • Identify parts of speech, diagram sentences and make sentences more complex. • Learn and apply standard English rules for grammar and punctuation. • Make a craft and creative writing project based on a short book, <u>The Christmas Letters</u>. • Read, analyze and discuss a novel as a class (<u>That Was Then, This Is Now</u> by S.E.Hinton or <u>Brian's Winter</u> by Gary Paulsen) • Explore poetry – including participation in the Poetry Out Loud Contest • Present a project with poise, with a strong clear voice, with natural gestures, and with excellent eye contact (Poetry Out Loud poem and Modern Woodmen Speech)

- Write and present a various of writing projects (narrative, expository, and persuasive) – following the writing process and using the 6 Traits of Writing and including writing an MLA format – including writing a speech for the Modern Woodmen Speech Contest.
- Complete the 7th grade writing assessment – writing a persuasive letter by following the 5-paragraph essay format.

Grade:
Title:
Length of Course:
Prerequisite:
Description:

8
Language Arts - Required

2 Semesters

Required

This course concentrates on the fundamental language skills of reading, writing, conventions of written and oral language, grammar, vocabulary, research and listening/speaking. Students refine their reading comprehension skills through the study of fiction, literary nonfiction, poetry and informational text throughout the year. Students write for varied audiences and purposes and work to develop the six traits of writing. By sharing their work and making oral presentations, they gain confidence in their knowledge and in presenting what they know to others.

Contents:

- Demonstrate improvement in the areas of Six Trait writing I the areas of composition, editing, revising and publishing
- Demonstrate different writing styles – persuasion, expository and narrative – through the five paragraph essay structure.
- Demonstrate improvement with parts of speech, sentence structure, usage and mechanics.
- Read and analyze works of literature.
- Use a variety of oral presentation styles through a variety of speaking opportunities.
- Demonstrate the ability to write book reviews with focus, related ideas, supporting details and analysis.
- Demonstrate research skills and the use of proper MLA format.

SOCIAL STUDIES DEPARTMENT

Grade:
Title:
Length of Course:
Prerequisite:
Description:

7
American Civics - Required

2 Semesters

None

This course examines the development of the government in the United States. Students focus on the three branches of government, the three levels of Government, and their role as citizens in an ever-changing world.

Contents:

- Types of governments
- The Legislative Branch
- The Executive Branch
- The Judicial Branch
- State Governments
- Nebraska's Unicameral
- US Economy
- The Constitution
- Citizenship
- Study Skills

Grade: 8
 Title: **American History I- Required**
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: This course examines the history of the United States beginning with the development of Native American societies through Reconstruction. Students focus on major historical events and the people that shaped the United States.

Contents:

- The Native Americans
- Founding and Exploration of North America
- Colonial Settlement and Development
- The Revolutionary War
- The Constitution
- Early Political and Economic Development of the United States
- Expansion of the United States
- The Industrial Revolution
- Pre-Civil War United States
- The Civil War
- The Reconstruction Era
- Post Civil War United States

SCIENCE DEPARTMENT

Grade: 7
 Title: **Life Science - Required**
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: Students will cover a year of life science which is the condition that distinguishes animals and plants from inorganic objects and dead organisms.

Contents:

- The Five Kingdoms
- Cells
- The Human Body
- Genetics
- Human Reproduction
- Land Biomes
- Resource Conservation

Grade: 8
 Title: **Earth Science - Required**
 Length of Course: 2 Semesters
 Prerequisite: None
 Description: Students will cover a year of earth science studying all the physical aspects of earth.

Contents:	<ul style="list-style-type: none"> • The Changing Earth • Solar System • Landforms • Oceanography 	<ul style="list-style-type: none"> • Map Reading • Geology • Weather
-----------	---------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

MATH DEPARTMENT

Grade:	7
Title:	Math - Required
Length of Course:	2 Semesters
Prerequisite:	6 th Grade Math
Description:	7 th Grade Math builds upon the mathematical foundations the students have learned in elementary school. This class is an introduction to algebraic concepts and pushes the students to work toward the abstract. Students are assessed throughout the year on their ability to learn new concepts as well as their ability to work with abstract concepts for placement in 8 th grade.

Contents:	<ul style="list-style-type: none"> • Algebra Basics • Integers and Rational Numbers • Application of Rational Numbers • Proportional Relationships • Percents and Business Applications • Graphs and Functions • Data Analysis • Measurement of 2 and 3 dimensional figures 	<ul style="list-style-type: none"> • Multi-Step Equations and Inequalities • Probability • Geometric Figures
-----------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------

Grade:	8
Title:	Math – Required/Elective
Length of course:	2 Semesters
Prerequisite:	Completion of 7 th Grade Math
Description:	8 th Grade Math builds upon the mathematical foundations the students learned the previous year. This class focuses on refining skills that will be needed in algebra. This class builds student confidence in their mathematical ability. This class is designed to give students a solid knowledge base so they are better prepared for the concepts covered in Algebra I.

Contents:	<ul style="list-style-type: none"> • Basic Algebra Principles • Rational Numbers • Graphing Functions • Exponents and Roots • Ratios, Proportions and Similarity • Percents and Percent Applications • Geometric Foundations • Perimeter, Area and Volume • Data Analysis and Probability • Multi-Step Equations and Inequalities • Polynomials
-----------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Grade:	8
--------	----------

Title:	Algebra I – Required/Elective
Length of course:	2 Semesters
Prerequisite:	93% or higher in 7 th Math or Instructor Approval
Description:	Algebra I reviews the basic skills and concepts covered in previous mathematics classes. This course provides a wide array of tools to help students move from the concrete to the abstract. Graphing and problem solving are used extensively to help students move toward understanding the abstract. Algebra I is the foundation that students will build upon in subsequent courses.
Contents:	<ul style="list-style-type: none"> • Basic algebra vocabulary • Solving Equations • Solving and Graphing Inequalities • Identifying, Writing and Interpreting Functions • Solving, Graphing and Interpreting Systems of Equations and Inequalities • Exponents and Polynomials • Factoring Polynomials • Solving and Graphing Quadratic Functions and Equations • Analyzing Data and Probability • Graphing and Interpreting Exponential and Radical Functions • Graphing, Solving and Interpreting Rational Functions and Equations

PHYSICAL EDUCATION DEPARTMENT

Grade:	7 & 8
Title:	Physical Education - Required
Length of Course:	2 Semesters
Prerequisite:	None
Description:	Students will work on fundamentals of various sports during their respective seasons. Students who are not members of the athletic team will still participate in drills that the team does, or alternative activities when possible.
Contents:	<ul style="list-style-type: none"> • Football • Track • Wrestling • Volleyball • Weightlifting • Basketball • Conditioning

THEOLOGY

Grade:	7
Title:	Theology 7 - Required
Length of Course:	2 Semesters
Prerequisite:	None
Description:	The person, message, and mission of Jesus.

Contents:	<ul style="list-style-type: none"> • Prefigurements of Jesus Christ from the Old Testament • Who do you say that I am? (Jesus the Son of God, Jesus the Son of Man) • Jesus the Messiah • Scriptures: A portrait of Jesus • Parables • Miracles • Beatitudes • A lifetime Commitment to Jesus: Baptism and Confirmation • Jesus the Bread of Life: Eucharist • Jesus' Compassion: Reconciliation and Anointing of the Sick • Walking with Jesus in a vocation: Matrimony and Holy Orders
-----------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Grade:	8
Title:	Theology 8 – Required Church History – 1st Semester
Length of Course:	1 Semester
Prerequisite:	None
Description:	The course is intended to introduce students to church history and to reinforce all aspects of morality.

Contents:	<ul style="list-style-type: none"> • Early Church (The Church Begins, Church History, Constantine, St.. Augustine, Popes) • Middle Ages (Charlemagne, Monasticism, Thomas Aquinas) • Crusades, The Great Schism, Black Death, Medieval Women who made a difference • Reformation
-----------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	Morality – 2nd Semester
Length of Course:	1 Semester
Prerequisite:	None

Contents:	<ul style="list-style-type: none"> • Medical Ethics • Modern Church and sacraments, Trinity, Ten Commandments • Moral Decision Making • WAIT Training – abstinence education • Media's influence on behavior
-----------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

MUSIC DEPARTMENT

Grade:	7
Title:	Vocal Music - Required
Length of Course:	2 Semesters
Prerequisite:	None
Description:	Musical concepts through vocal and music appreciation
Contents:	<ul style="list-style-type: none"> • Vocal Mechanics • Reading Music • Music Theory • Music Appreciation • Jr. High Musical

- Read about composers of the 20th century and write responses to what they have read

Grade:

8

Title:

Vocal Music - Required

Length of Course:

2 Semesters

Prerequisite:

None

Description:

Musical concepts through vocal and music appreciation

Contents:

- Music Theory
- Music History
- Reading Music
- Jr. High Musical
- Read about composers of the 20th century and write responses to what they have read.

Grade:

7 & 8

Title:

Band - Elective

Length of Course:

2 Semesters

Prerequisite:

1-2 Years of Elementary Band

Description:

The course is intended to develop instrumental music abilities.

Contents:

- Variety of pep band music
- Variety of concert band music
- Solos and small group music
- Musical terms needed to play through written definition