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## **CURRICULUM HANDBOOK**

### **SCOTUS CENTRAL CATHOLIC HIGH SCHOOL COLUMBUS, NEBRASKA**

This booklet is presented by the entire staff of Scotus High School as a source of information regarding the courses of study and enrollment procedure of the school.

#### **ACADEMIC STANDING**

Scotus Central Catholic High School is fully accredited by the North Central Association of Colleges and Secondary Schools since 1941. Scotus Central Catholic is also accredited by the State of Nebraska Department of Education and is on the list of Class A accredited schools as established by the members in good standing of the Secondary School Department of the National Catholic Education Association.

The courses listed in the booklet are tentative offerings for the school year. These courses will be offered ONLY if enough students enroll to merit the class!

The student is urged to read carefully the course descriptions, graduation requirements, and the grade level offered, and then with the help of parents select a schedule.

The teachers, counselor, and administrative staff of Scotus are ready to assist all students in selecting a schedule. If there are questions, please begin with the teachers or guidance counselor. Students are advised to use the recommendations and experience of the school staff when enrolling into classes. Final say on enrollment rests with the administration.

#### **GENERAL INFORMATION**

Credit hours are the value placed on various courses. A subject, which meets five times a week, yields five credit hours per semester. The credit hours for each class are indicated for each class. Each student must register for classes required at their specific grade level and enough electives to have a minimum of seven solids and a total of 35 credit hours per semester.

Registration for the next school year will be conducted during the second semester of the previous school year. It is conducted at this time so the school can efficiently plan for the next school year. There will be a designated drop and add period prior to the beginning of each semester. Once a semester has started, student or parent initiated dropping and adding of classes will not be permitted.

If a student drops a yearlong class prior to the second semester, no credit will be given for the first semester, even if a passing mark was received.

#### **REGISTRATION PROCEDURES**

Students will receive 3 deadlines for registration. Assuming there are no conflicts, students who meet the first deadline will be allowed into the classes they are signed up for if they meet the prerequisites. Students missing the first deadline but making the second deadline will be put onto a waiting list for any classes that are full. Students not meeting the final deadline will have their schedule decided for them by the administration.

## REQUIREMENTS FOR GRADUATION

In granting credits, Scotus follows a semester credit system. According to this plan, one semester-hour of credit means the value assigned for one period of instruction per week for an entire semester.

To complete the requirement for graduation, a student must have successfully passed a minimum of 240 credit hours including: 210 required credits, 30 elective credits.

RELIGION	40 Credits
ENGLISH	40 Credits
MATH	30 Credits
SOCIAL STUDIES	30 Credits
SCIENCE	30 Credits
COMPUTER APPLICATIONS	15 Credits
HEALTH	5 Credits
PHYSICAL EDUCATION	10 Credits
SPEECH I	5 Credits
VISUAL & PERFORMING ARTS (Music and Art)	5 Credits
LIVING THE FAITH	80 Hours

Required classes for graduation are listed below. Students are required to enroll and receive credit in the listed classes. The remaining credits can be selected from elective courses offered at the respective grade levels. Students planning to attend college would be wise to include two or more years of one foreign language, upper level math and science courses. No academic credit will be given for participation in sports or activity events not directly related to the approved curriculum. High School students are allowed up to 1 ½ study halls per semester, unless given Administrative permission for additional study hall time.

**The School Board set the following requirements for graduation from Scotus Central Catholic:**

**FRESHMAN**

- ▶ Religion 9
- ▶ Algebra 1A or Algebra I or Geometry
- ▶ Computer Applications
- ▶ English 9
- ▶ P.E. 9
- ▶ Physical Science 9 ^
- ^Art or Band or Vocal Music (preferred yr.)

**JUNIOR**

- ▶ Religion 11
- ▶ American History II
- ▶ English 11
- ▶ Geometry Essentials or Geometry or Algebra II or Advanced Math
- +Astronomy or Accelerated Chemistry or Chemistry
- \*Optional academic year: Performing Arts, Computer, Health, PE, Speech

**SOPHOMORE**

- ▶ Religion 10
- ▶ Algebra 1B or Geometry Essentials or Geometry or Algebra II
- ▶ American History I
- ▶ Biology 10
- ▶ English 10
- \*Computer Aided Design or Computer Business Applications or Computer Science
- \*Health
- \*Personal Fitness I/II or Recreational Sports or Strength Training
- \*Speech
- ^Optional academic year: Performing Arts

**SENIOR**

- ▶ Religion 12
- ▶ Modern Government 12
- ▶ English 12 or Accelerated English 12
- Completion of options: Computer, Health, PE, Performing Arts, Science, Speech

▶ Required core

^Required (w/choices) academic year options grades: 9-12

\*Required (w/choices), academic year options grades: 10-12

+Required (w/choices), academic year options grades: 11-12

## University of Nebraska – Lincoln

### Admission Requirements

**English** 4 units of English  
All units must include intensive reading and writing experience.

**Mathematics** 4 units of Mathematics  
Must include algebra I, II, geometry, and one additional unit that builds on knowledge of algebra or geometry. **Algebra 1A, Algebra 1B and Geometry Essentials** are not acceptable.

**Natural Sciences** 3 units of Natural Sciences  
Including at least 2 units selected from biology, chemistry, physics, and earth sciences. One of the units must include laboratory instruction.

**Social Studies** 3 units of Social Studies  
At least one unit of American and/or world history and one additional unit of history, American government, and/or geography.

**Foreign Language** 2 units of Foreign Language  
Must include 2 units of the **same** foreign language. Students who are unable to take two years of foreign language in high school may still qualify for admission. Such students will be required to take two semesters of foreign language at UNL. These students are still required to complete 16 units of academic courses for admission.

**Class Rank or ACT/SAT** For assured admission you must also graduate in the upper half of your class, or have an ACT composite score of 20 or higher, or an SAT combined score of 950.

### Foreign Language Advising Information

Requirements for admission to the University of Nebraska-Lincoln

- 1) 2 units of the same foreign language are required for general admission (i.e. German I and German II). Students majoring in Agriculture, Architecture, Business, Engineering, Education, Human Resources, Nursing, and Public Affairs at NU would not need to take any more foreign language.
- 2) 4 units of the same foreign language recommended in high school for students majoring in the college of: Fine & Performing Arts, Arts & Sciences, and Journalism & Mass Communications. These programs require a foreign language requirement to graduate with a bachelor's degree.

\*\*If a student has taken **less than two units** of the same foreign language in high school, they will need to make up their high school deficiency in addition to taking courses at the University to fulfill the foreign language graduation requirement.

\*\*If a student has **taken two units** of the same foreign language in high school, they will take a placement test to determine their sequence of courses at the University.

\*\* If a student has **taken three units** of the same foreign language in high school, they will take a placement test to determine their sequence of courses at the University.

\*\* If a student has **taken four units** of the same foreign language in high school, they will be exempt from this additional requirement in college.

## **COURSES OFFERED TO SCOTUS STUDENTS**

### **RELIGION**

Religion 7  
Religion 8  
Religion 9  
Religion 10  
Religion 11  
Religion 12

### **BUSINESS/COMPUTER EDUCATION**

Keyboarding 7  
Keyboarding 8  
Computer Applications  
Computer Aided Design (CAD)  
Computer Business Applications  
Computer Science  
Accounting I  
Accounting II  
Personal Finance  
Video Production

### **ENGLISH**

English 7  
Literature 7  
English 8  
Literature 8  
English 9  
English 10  
English 11  
English 12  
Accelerated English 12  
Journalism I  
Speech  
Tutorial Skills  
Yearbook

### **FAMILY & CONSUMER SCIENCE**

Child Development  
Culinary Arts  
Housing  
Nutrition and Foods  
Skills for Life I  
Skills for Life II  
Textiles & Clothing I  
Textiles & Clothing II

### **MATHEMATICS**

Math 7  
Math 8  
Algebra I-8  
Algebra IA  
Algebra IB  
Algebra I  
Geometry Essentials  
Geometry  
Algebra II  
Advanced Mathematics  
Applied Statistics  
Pre-Calculus with Trigonometry  
AP Calculus

### **PHYSICAL EDUCATION**

P.E. 7 Boys  
P.E. 7 Girls  
P.E. 8 Boys  
P.E. 8 Girls  
P.E. 9  
Strength Training  
Health 7  
Health 8  
Health

### **SCIENCE**

Life Science 7  
Earth Science 8  
Physical Science 9  
Biology 10  
Accelerated Chemistry/Lab  
Chemistry Lab  
Anatomy & Physiology  
Astronomy  
Physics

### **SOCIAL STUDIES**

Social Studies 7  
Modern World History 8  
American History I  
American History II  
Modern Government  
Modern Problems  
Psychology  
Sociology  
Street Law

**SPANISH**

Spanish I  
Spanish II  
Spanish III  
Spanish IV

**STEAM**

Steam/Careers 8  
Steam Fundamentals  
Steam I  
Steam II  
Steam III  
Steam Capstone

**VISUAL & PERFORMING ARTS**

Art 7  
Vocal Music 7  
Art 8  
Vocal Music 8  
Junior High Band  
Art I  
Art II  
Art III  
Art IV  
Band  
Graphic Design  
Jazz Band  
Shamrock Singers  
Theology and Art

## COURSES OFFERED BY GRADE LEVEL

### 7TH GRADE

#### **COURSES REQUIRED:**

##### **Daily:**

English 7  
Life Science 7  
Literature 7  
Math 7  
Social Studies 7

##### **Even/Odd Yearlong and \*Semester Classes:**

Religion 7 P. E. 7  
\*Health 7 \*Art 7  
\*Keyboarding 7 \*Vocal Music 7 (and/or Band)

#### **ELECTIVE:**

JH Band

### 8TH GRADE

#### **COURSES REQUIRED:**

##### **Daily:**

Earth Science 8  
English 8  
Math 8 or Algebra I-8  
Modern World History 8

##### **Even/Odd Yearlong and \*Semester Classes:**

Religion 8 P. E. 8  
\*Health 8 \*Art 8  
\*Keyboarding 8 \*Vocal Music 8 (and/or Band)  
Literature 8  
Steam/Careers 8

#### **ELECTIVE:**

JH Band



## 9TH GRADE

### **COURSES REQUIRED:**

Religion 9  
Algebra 1A or Algebra I or Geometry  
Computer Applications  
English 9  
P.E./Art or Study Hall  
Physical Science 9

### **ELECTIVES:**

Art I	Skill for Life I
Band	Skills for Life II
Child Development	Spanish I
Jazz Band	Steam Fundamentals
Personal Finance	Textiles & Clothing I
Shamrock Singers	

## 10TH GRADE

### **COURSES REQUIRED:**

Religion 10  
Algebra 1B or Geometry Essentials or Geometry or Algebra II  
American History I  
Biology 10  
English 10  
Computer Aided Design (CAD) or Computer Business Applications or Computer Science  
(one semester, with grades 10-12 option)  
P. E. & Health (one semester each, with grades 10-12 Personal Fitness or Strength Training)  
Speech (one semester, with grades 10-12 option)

### **ELECTIVES:**

Accounting I  
Art I  
Art II  
Band  
Child Development  
Graphic Design  
Jazz Band  
Personal Finance  
Shamrock Singers  
Skills for Life I  
Skills for Life II  
Spanish I  
Spanish II  
Steam I  
Steam II  
Textiles & Clothing I  
Textiles & Clothing II  
Theology and Art

## 11TH GRADE

### **COURSES REQUIRED:**

Religion 11  
American History II  
Astronomy or Accelerated Chemistry or Chemistry (with grades 11-12 option)  
English 11  
Geometry Essentials or Geometry or Algebra II or Advanced Math or Pre-Calculus with Trigonometry or Applied Statistics  
\*Computer class (if not completed, with grade 12 option)  
\*PE & Health (each if not completed, with grade 12 option)  
\*Speech (if not completed, with grade 12 option)

### **ELECTIVES:**

Accelerated Chemistry/Lab	Personal Finance
Accounting I	Psychology
Art I	Shamrock Singers
Art II	Skills for Life I
Art III	Skills for Life II
Art IV	Sociology
Astronomy	Spanish I
Band	Spanish II
Chemistry/Lab	Spanish III
Child Development	Steam I
Computer Aided Design (CAD)	Steam II
Computer Business Applications	Steam III
Computer Science	Street Law
Culinary Arts	Strength Training
Graphic Design	Textiles & Clothing I
Health	Textiles & Clothing II
Jazz Band	Theology and Art
Journalism	Video Production
Modern Problems	Yearbook

## 12TH GRADE

### **COURSES REQUIRED:**

Religion 12  
Modern Government 12  
English 12 or Accelerated English 12  
\*Computer class (if not completed)  
\*PE & Health (each if not completed)  
\*Speech (if not completed)  
\*Science class (if not completed)

### **ELECTIVES:**

Accelerated Chemistry/Lab	Modern Problems
Accounting I	Personal Finance
Advanced Math	Physics/Lab
Algebra II	Pre-Calculus with Trigonometry
Anatomy & Physiology	Psychology
AP Calculus	Shamrock Singers
Applied Statistics	Skills for Life I
Art I	Skills for Life II
Art II	Sociology
Art III	Spanish II
Art IV	Spanish III
Astronomy	Spanish IV
Band	Steam I
Chemistry/Lab	Steam II
Child Development	Steam III
Computer Aided Design (CAD)	Steam Capstone
Computer Business Applications	Street Law
Computer Science	Strength Training
Culinary Arts	Textiles & Clothing I
Geometry	Textiles & Clothing II
Geometry Essentials	Theology and Art
Graphic Design	Video Production
Jazz Band	Yearbook
Journalism	

## **COURSE DESCRIPTIONS**

### **RELIGION**

(Full Year Meets Even/Odd – 5 Credits)

#### **RELIGION 7**

Required

**Grade 7**

This course focuses the students' attention on the person of Jesus Christ as the heart of our faith. Students will examine the Gospels in order to explore the significant moments in Jesus' life as well as the response of His disciples. Students will further reflect upon His presence in the Church today and also in the life of the individual baptized Christian, especially in his or her own call to holiness. Students will study Morality: Life in Christ and how to apply principles of Christian morality.

(Full Year Meets Even/Odd – 5 Credits)

#### **RELIGION 8**

Required

**Grade 8**

This course is designed to help make the student more aware of his or her response to the faith. Particular attention is given to the role of the Holy Spirit, to the life of the Church, and to the individual's own responsibility in living out the faith. Since most students will receive the Sacrament of Confirmation during their eighth grade year, special attention is paid to the significance of this sacrament in the life of the believer.

(Full Year – 10 Credits)

#### **RELIGION 9**

Required

**Grade 9**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures and the Tradition of the Catholic Church. They will learn about the Bible, authored by God through the inspiration of human authors. Special attention will be given to the Gospels, where students may grow to know and love Jesus Christ more personally. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ, and the Second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

(Full Year – 10 Credits)

#### **RELIGION 10**

Required

**Grade 10**

First semester will focus on Christ's saving work in the Paschal Mystery and its effect on the Church. Second semester students will be invited to study both the meaning of the Church and its history in order that they might come to a deeper appreciation of what it means to live as a member of the Body of Christ.

(Full Year – 10 Credits)

**RELIGION 11**

**Grade 11**

Required

Morality: Our Moral Life in Christ focuses on the intellectual, moral, and formational development in living a life joined to the mystery of our Lord. This foundation affords the Christian with the only true alternative to a world which often rejects the spiritual and substitutes its own brand of convenience for that which is “right” and “true”. The foundation of this course is Christ and His Church. Our moral Life in Christ offers to the student those reasons which direct us to live for good of all brothers and sisters. Grounded in the Ten Commandments, these corner stone’s tie our humanity together in actions that call us to understand our human nature. The mystery of Christ illumines those right actions so that we might live fully the life gifted to us.

The Sacraments: Through his life, Passion, Death and Resurrection, Jesus Christ merited the redemption of all people and made possible our reconciliation with God. He founded the Church to continue his salvific ministry until he comes again and entrusted the Church with the Seven Sacraments as a primary means of continuing this ministry throughout the ages. In the sacraments, the faithful receive God’s grace and assistance, and are privileged to have a personal encounter with Jesus Christ. This course will examine the seven Sacraments from the perspective of both Sacred Scriptures and Sacred Tradition. The course will cover the growth in understanding, meaning, and significance of the Sacraments in the Catholic Church. Students will be given a deeper understanding of how and why the Sacraments are an essential core of Catholic faith life, how they empower the Christian community and how they apply to Christian discipleship. In the context of living the Sacraments, the course will focus on how the Sacraments will help us better live a moral life in compliance with the Commandments.

(Full Year – 10 Credits)

**RELIGION 12**

**Grade 12**

Required

Sacred Scriptures: is knowledge of Christ. The seniors will continue to grow in their relationship with Christ by studying the Sacred Scriptures during their first semester. The Student will learn how the Scriptures were formed, where they came from, how they should be approached, various themes and figures, and most importantly who Jesus is. The majority of the class will follow the arc of Salvation History, beginning with Creation and ending with Christ and the fullness of revelation.

Ecumenism and Interreligious Dialogue: is to increase one’s understanding of the Catholic Church and her faith by studying how and why various Christian denominations and other Religions formed. The course will begin with Ecclesiology (the theology of the Church), so that from this foundation the student will be able to recognize the similarities and differences in other Churches, Ecclesial Communities, and Religions. Each change in theme will include the history of the division or the history of the religion, and the basic tenants and differences. We will discuss Orthodox Christianity, Calvinism, Lutheranism, Anglicanism, Judaism and Islam. We will also take a brief look at Eastern Religions, such as Buddhism and Hinduism just to name a few. The hope for this course is an increased awareness of the world the students will be entering and a deeper love for the Catholic Church.

## **BUSINESS - COMPUTER EDUCATION**

(Semester Meets Even/Odd – 2.5 Credits)

### **KEYBOARDING 7**

**Grade 7**

Required

Students will learn to type by the touch method using a computer keyboard. They will learn good techniques as well as skills in proofreading and applying the proofreader's marks to rough draft material. Ergonomics, Internet Safety, computer ethics, and internal computer components will be explored along with basic computer terminology. They will gain introductory skills to the word processor and presentation software by creating simple documents.

(Semester Meets Even/Odd – 2.5 Credits)

### **KEYBOARDING 8**

**Grade 8**

Required

Students will improve their typing skills using the touch method. They will expand their proficiency with word processor, spreadsheet, and presentation software as well as being introduced to Desktop Publishing by creating various documents and projects. Internet terminology and skills will be studied including research and evaluation of Internet resources. Students who show proficiency in keyboarding will have the opportunity to be introduced to coding.

(Full Year – 10 Credits)

### **COMPUTER APPLICATIONS**

**Grade 9**

Required

Being proficient in Microsoft Office is a valuable and necessary job skill for employers as well as for students pursuing their careers. The focus of this course will be learning many of the skills required for the Microsoft Office Specialist certification in Word, Excel, and PowerPoint. The students will apply their knowledge to advanced business problems such as letters, outlines, reports, tables, flyers, etc. In addition, they will learn Desktop Publishing and be introduced to Access. Additional subject matter includes computer care and maintenance, security and privacy, computer ethics and Internet terminology and skills. Paint, computer animation, and 3-D modeling programs will also be introduced.

(Semester – 5 credits)

### **COMPUTER AIDED DESIGN (CAD)**

**Grades 10-12**

Required (or may choose Computer Business Application or Computer Science)

Prerequisite: Computer Applications

Computer-aided design systems are used by designers and manufacturers in virtually every industry to create engineering design solutions. In this course, students are introduced to engineering, learning the basics of CAD software: creating points, lines, other geometric forms, isometric drawings, and 3D models. They learn how to translate initial concepts into functional designs and 3D walkthroughs and explore career options in this hands-on introductory-level course.

(Semester – 5 Credits)

### **COMPUTER BUSINESS APPLICATIONS**

**Grade 10-12**

Required (or may choose Computer Aided Design or Computer Science)

Prerequisite: Computer Applications

This course provides students with activities that are built around a business theme. Students will complete practical, realistic applications and create materials suitable for portfolio evaluation. The projects apply the skills developed in Microsoft Word, Excel, PowerPoint, and Access. Additionally, students will apply software and business competencies needed to succeed in the workplace, including critical thinking, analysis, problem solving, and information and resource management. Internet activities and web design are included wherever relevant so that students develop research and communication skills.

(Semester – 5 Credits)

**COMPUTER SCIENCE**

**Grades 10-12**

Required (or may choose Computer Aided Design or Computer Business Applications)

Prerequisite: Computer Applications

This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students will have a solid foundation for further study in computer science.

(Full Year – 10 Credits)

**ACCOUNTING I**

**Grades 10-12**

Elective

Another term for accounting is bookkeeping. The difference between the two terms is simply that in accounting students learn to analyze (better understand) why they are doing certain steps. This is a class that would be beneficial to all students. Students will learn how to keep financial records for a business and can apply the knowledge to their own personal records. It will provide them with a better understanding of the financial relationship between a customer (which could be them) and a business (which could be theirs).

This is an introductory course to accounting for a service and merchandising business. The accounting cycles for a sole proprietorship, partnership, and corporation are covered. Students will learn to journalize, post, make adjustments, and prepare financial statements. This is reinforced with real-life entrepreneurial/accounting experience by operating and keeping the financial records for “Scotus School Supply 911”. In addition, students will take inventory and price goods for the store. Other topics include careers, taxes (including personal income tax returns), and payroll.

(Full Year – 10 Credits)

**ACCOUNTING II**

**Grades 11-12**

Elective

Prerequisite: Accounting I with a “90%” average or better and instructor approval is needed.

This course is designed for those students pursuing a career in business. A review of general accounting principles and practices will be covered with an emphasis on advanced accounting principles such as: depreciation, notes, uncollectible accounts, and cost accounting. Assistance will be provided to the Accounting I students in the operation of the “Scotus School Supply 911” store. Students earning an “A” or “B” average will receive college credit. Some accounting will be done using Excel.

(Semester – 5 Credits)

**PERSONAL FINANCE**

**Grades 9-12**

Elective

This course will introduce the student to general personal finance knowledge affecting their personal and professional lives. Topics to be covered include consumer rights and responsibilities, money management, financial security, federal income tax, credit management, resource management (renting/purchasing vehicle/home), and risk management (insurance).

(Semester - 5 Credits)

**VIDEO PRODUCTION**

**Grades 11-12**

Elective

Are you interested in learning about television production, making movies, and Professional Videos? Video Production covers Professional Video and Film Production. Students get hands on experience planning, writing, directing, shooting, editing and producing video, using digital video cameras, and professional computer editors, audio and lighting equipment. Students explore career opportunities in this exciting and rapidly expanding industry through visits to local studios and video production facilities, and through meeting industry professionals who visit as guest speakers. This class prepares students for advanced college courses and/or for work in the industry.



## **ENGLISH**

(Full Year – 10 Credits)

### **ENGLISH 7 & 8**

**Grades 7-8**

Required

The junior high school program deals with all aspects of basic grammar, vocabulary, spelling, reading and comprehension, formal writing structure, and creative writing. Seventh grade initiates the elements, which are expanded in the eighth grade. Additionally, eighth grade students will complete reading comprehension activities through the Accelerated Reader program.

(Full Year – 10 Credits)

### **LITERATURE 7**

**Grade 7**

Required

The seventh grade reading course is designed to reinforce fundamental reading skills. Reading material will cover both fiction and non-fiction. Focus will be on comprehension, vocabulary development, increased reading rate, as well as listening skills and library skills. Students will utilize the Accelerated Reader program to enhance reading comprehension skills.

(Full Year meets even/odd – 5 Credits)

### **LITERATURE 8**

**Grade 8**

Required

The eighth grade reading course is designed to build upon the basic reading skills taught in the 7<sup>th</sup> grade Literature class. Both fiction and non-fiction materials will be included. A continued focus will be toward improving comprehension, developing vocabulary, increasing reading rate, as well as listening skills and library skills. The Accelerated Reader program will be an integral part of enhancing student reading comprehension.

(Full Year – 10 Credits)

### **ENGLISH 9**

**Grade 9**

Required

This course focuses on writing and reading. Grammar, punctuation, and sentence structure are reviewed in the context of writing. The focus is on the process of writing and writing for different audiences and purposes. The literature studied is a combination of classic and contemporary. Students will also complete many reading comprehension activities.

(Full Year – 10 Credits)

### **ENGLISH 10**

**Grade 10**

Required

This course consists of composition and literature. The literature section includes the reading and discussion of various novels such as Night, Animal Farm, Julius Caesar, Fallen Angels, Mythology, and King Arthur Stories. The combination of these areas is designed to provide the student with the appreciation for a wide variety of literature as well as the confidence to write in various genres. The students will also be required to complete two research units: a power point presentation and a research paper. Students will complete reading comprehension activities

(Full Year – 10 Credits)

**ENGLISH 11**

**Grade 11**

Required

This course consists of the reading of various American authors and the learning of various composition styles such as poetry, short stories, vignettes, dramas, editorials, scripts, etc. The course requires writing a research paper as well as creating a portfolio of work that the student puts together over the year. The student is expected to work toward the proficiency of his/her own writing voice and style as well as gain an appreciation of the writing styles of a multitude of classic and modern American authors. Students will complete reading comprehension activities and ACT preparation.

(Full Year – 10 Credits)

**ENGLISH 12**

**Grade 12**

Required (or may choose Accelerated English)

This course consists of reading a variety of novels and studying English literature. The students will also work on personal, essay, and research writing. They will be required to identify literary devices, interpret author's intent, and make personal connections. Students will complete reading comprehension activities. Second semester students will complete an Archdioceses Assessment project.

(Full Year – 10 Credits)

Dual Credit with Central Community College

**ACCELERATED ENGLISH**

**Grade 12**

Required (or may choose English 12)

Prerequisite: Commitment to cover dual credit and book costs, 18+ English & Reading ACT, Grade average in English 10 & 1<sup>st</sup> semester of English 11 will be a factor for eligibility. With enough student interest, a minimum of 86% is required.

Students need to sign up for this class during the spring of their junior year. Because the class is rigorous, students should have very good reading and writing skills. One semester will consist of the students learning writing composition on a M-W-F from a Central Community College professor. Grades for the writing portion of the semester will count as both high school grades and as college grades. The student will receive 3 credits of college credit for writing composition when the class is completed. On T-Th students will have a study hall. The alternate semester, students will engage in modern and classical literature and formal writing that focuses across curriculum; the Scotus English teacher will teach this. Students will also have to complete an assessment project for the Archdioceses of Omaha that will work as a senior exit project at Scotus.

(Semester – 5 Credits)

**SPEECH**

**Grade 10-12**

Required

Speech is the study and practice of oral communication. The course covers poise, delivery, body language, voice, research, and outlining of the basic speech types. The basic types covered are: informative, speech of personal experience, persuasive, short summary-opinion based speeches, and impromptu speaking.

(Full Year – 10 Credits)

**JOURNALISM I**

**Grades 11-12**

Elective

Prerequisite: Application, minimum of "B" average in English for two prior semesters, limit of 12 students  
Commitment to completion of academic school year.

This course focuses on the many aspects of journalistic writing; including ethics, news reporting, editing, advertising, and publishing. Members of this class, using In Design software, publish the school newspaper, The Rock Bottom. Students must be willing to devote extra time to meet deadlines and take pictures of school events. This course may be taken more than once.

(Semester – 5 credits)

**TUTORIAL SKILLS**

**Grades 11-12**

Elective

Students that have an expressed interest in assisting a younger student, having demonstrated a need to improve their own study-skills, will be paired by the Administration during a common study hall. The upper-classman will encourage the younger student to remain focused and on task, assist with homework as needed, and consistently reinforce the use of the junior high planner and Power-School to model the practice of good organizational skills. The student has the option to continue tutoring a second semester, in an academic year.

(Full Year – 10 Credits)

**YEARBOOK**

**Grades 11-12**

Elective

Prerequisite: Application, minimum of "B" average in English for two prior semesters, limit of 12 students with seniors given preference.

Commitment to completion of academic school year. This class focuses on the design, layout, and completion of the school yearbook. Students will use online software to publish the 144 page annual. Students must be willing to devote extra time to meet deadlines and to take necessary pictures. This course may be taken more than once.

## **FAMILY & CONSUMER SCIENCE**

(Semester – 5 Credits)

### **CHILD DEVELOPMENT**

Elective

**Grades 9-12**

This course is designed for those students who plan to become a good parent as well as for potential employment in child development occupations. Students will have the opportunity to study the toddler and preschool stage of development. Self-esteem and its impact of parenting and discipline, health and safety, and problem situations for children will complete the units of study. Special highlights of the semester are toddler and preschool labs.

(Semester – 5 Credits)

### **CULINARY ARTS**

Elective

**Grades 11-12**

This course focuses on food service and the artistic presentation of foods. Students will be involved in culinary skills, food safety and sanitation, preparation steps ranging from meal planning to add that last garnishing touch, interpersonal and communication skills, and career exposure related to the food industry.

(Semester – 5 Credits)

### **HOUSING**

Elective

**Grades 9-12**

This course will emphasize the students understanding of housing needs and decisions faced when selecting and furnishing a home. The cultural, societal, environmental, economical, and technological influences on housing will be covered. Career opportunities related to housing will be covered. Laboratory sessions will give the student an opportunity to develop practical skills and projects to decorate and manage a home.

(Semester - 5 Credits)

### **NUTRITION AND FOODS**

Elective

**Grades 11-12**

With the emphasis on health wellness in today's society, this course will help students make informed choices in their diets and help them develop sound eating habits for life. Laboratory sessions offer students opportunities to learn food preparation and meal planning skills, food dollar management, and human relations skills. Students are taught the need for taking responsibility in food decisions and the implications those decisions have for themselves, their families, and for society. Career opportunities related to Nutrition and Foods will be covered.

(Semester – 5 Credits)

### **SKILLS FOR LIFE I**

Elective

**Grades 9–12**

This course is one of two comprehensive Family and Consumer Sciences class for the secondary level. This will help students meet the challenges of their daily lives with confidence. They will learn practical skills for making decisions at home, school and in the workplace. Developing skills in the areas of personal development, responsible relationships, conflict resolution, being a responsible caregiver, nutrition and foods and time management.

(Semester – 5 Credits)

**SKILLS FOR LIFE II**

**Grades 9-12**

Elective

This course is one of two comprehensive Family and Consumer Sciences class for the secondary level, providing a knowledge base and general skills in all aspects of the field. Areas of study will include building family and relationships, caring for clothing and selecting clothes to fulfill personal needs, the impact of technology on the consumer, housing, and exploring careers in all areas.

(Semester – 5 Credits)

**TEXTILES & CLOTHING I**

**Grades 9-12**

Elective

Students will have the opportunity to explore the history of clothing, concern for clothing as it affects appearance, and decisions regarding clothing purchases and clothing care. Laboratory situations will help the student develop construction techniques which allow them an alternative in making decisions about how to repair clothing and to make clothes to emphasize one's individuality. Career opportunities related to clothing will be covered.

(Semester – 5 Credits)

**TEXTILES & CLOTHING II**

**Grades 10-12**

Elective

Prerequisite: Textiles & Clothing I with a 93% average or higher or a senior who has already taken Textiles & Clothing I.

This course will build on skills learned in Textiles & Clothing I. It is designed for those students wanting to develop their construction techniques and knowledge of fabric. Students will be in laboratory situations that will increase their knowledge of construction techniques in order to emphasize on altering, redesigning, and making clothes and projects to emphasize one's individuality and develop some quilting skills. Career opportunities related to clothing will be covered.

\*The ability to offer every course annually varies due to registration numbers. If a class is not available, it may be delivered the next academic school year.

## MATHEMATICS

Scotus Central Catholic High School offers eight courses in mathematics and requires 30 credits for graduation. The sequence of courses depends on the student's ability. Students planning to attend a four-year college are highly encouraged to take four years of mathematics. The courses offered are Algebra 1A & 1B, Algebra I, Algebra II, Geometry Essentials, Geometry, Advanced Math, Pre-Calculus with Trigonometry and Calculus.

Advanced Mathematics is required for admission to the University of Nebraska-Lincoln. Algebra II is required for admission to all other State colleges and universities.

If a student fails the 1<sup>st</sup> semester, he/she will be required to drop the class. If a student fails the 2<sup>nd</sup> semester and plans to retake the course, he/she will be required to audit and receive a passing grade the 1<sup>st</sup> semester of the class prior to repeating the 2<sup>nd</sup> semester.

(Full Year – 10 Credits)

**MATH 7**  
Required

**Grade 7**

The seventh grade mathematics course is designed to maintain and advance each student's ability in mathematical skills. The student's major emphasis will be on performing the skills of addition, subtraction, multiplication and division of whole numbers, decimals, and fractions. Also, some skills will be introduced or advanced in the following mathematical areas: percents, ratio and proportion, probability, statistics, operations involving integers, algebraic concepts (including solving simple equations), geometry concepts (similarity, areas, volumes, measurement).

(Full Year – 10 Credits)

**MATH 8**  
Required – if not in Algebra I

**Grade 8**

Eighth grade mathematics deals with the basic math operation, such as addition, multiplication, subtraction and division and their involvement with fractions, decimals, integers and all rational numbers. The metric system is covered and reoccurs in many units. Geometric measurements involving areas, perimeters and volumes are reintroduced along with ratios and proportions. New areas using percents, graphs, trigonometry, probability and statistics are covered. Use of variables in equations and expressions will be stressed.

(Full Year – 10 Credits)

**ALGEBRA I-8**  
Per Administration

**Grade 8**

Prerequisite: 93% average or higher in Math 7 with teacher recommendation

For students who may wish to extend their skills and concepts in mathematics before continuing to more advanced work in school. It will deal with variables, understanding the real number system, recognizing the technique of Algebra, applying concepts and skills, and perceiving the roll of deductive reasoning. In short, it will be a math class for those who wish to advance to higher levels of skill in science and related fields. It will have direct application for both Geometry and Algebra II. Students must maintain an 86% or better or students will be placed in Math 8. Upon completion of this course the student will take Geometry. This class completed in the 8<sup>th</sup> grade year, does NOT count toward Scotus' three year math requirement, which needs to be completed during a student's high school years.

(Two Full Years – 20 Credits)

**ALGEBRA I (A & B)**

**Grades 9-10**

Required if not in Algebra I

This course contains the same information as the Algebra I course but the time frame of the course is two years rather than one. The course deals with variables, understanding the real number system, recognizing the techniques of Algebra, applying concepts and skills, and perceiving the roll of deductive reasoning. Emphasis is given to continue their studies in Geometry or Geometry Essentials. Taking Geometry Essentials is mandatory if grade is below 86% for either course.

(Full Year – 10 Credits)

**ALGEBRA I**

**Grades 9-10**

Required

For students who may wish to extend their skills and concepts in mathematics before continuing to more advanced work in school. It will deal with variables, understanding the real number system, recognizing the technique of Algebra, applying concepts and skills, and perceiving the roll of deductive reasoning. Emphasis given to applying Algebra concepts to problem solving. In short, it will be a math class for those who wish to advance to higher levels of skill in science and related fields. It will have direct application for both Geometry and Algebra II.

(Full Year – 10 Credits)

**GEOMETRY ESSENTIALS**

**Grades 10-12**

Required if not taking Geometry

Prerequisite: Algebra I or Algebra I (A and B).

This class is designed for students not taking the college preparatory course of Geometry. It will contain many of the concepts of a typical Geometry course but with less emphasis on proof and deductive reasoning. Students will work with points, lines, planes, and figures that lie in a plane as well as solid figures. Topics include the language and logic of geometry, area, and similarity, with emphasis placed on the vocabulary of geometry. This course will also strengthen the student's basic skills in Algebra. (Typical placement at the completion of the course will be Geometry.)

(Full Year – 10 Credits)

**GEOMETRY**

**Grades 9-12**

Required

Prerequisite: Algebra I with "C" average of 1<sup>st</sup> & 2<sup>nd</sup> semesters or instructor permission  
Algebra I (A & B) with 86% for both parts

This course is designed for students to create and discover many geometrical concepts by activities and problems. Concepts are first introduced visually, then analytically, then inductively, and finally, deductively. Students will work with points, lines, planes and figures that lie in a plane, as well as solid figures. Topics include language and logic of geometry, angles and lines, transformations, proofs using congruence, polygons and symmetry, triangle congruence, perimeters, areas, surface areas, indirect and coordinate proofs, similarity, and trigonometry. The course will also strengthen the student's basic skills of Algebra.

(Full Year – 10 Credits)

**ALGEBRA II**

**Grades 10-12**

Required for students having complete Algebra I and Geometry

Prerequisite: Geometry and Algebra I

Algebra II is the third course in the college-preparatory series. It provides a review of Algebra and problem solving. The number system is developed more completely in Algebra II to include complex numbers. Other topics include functions and relations; variations; matrices; systems of equations and inequalities; linear, quadratic, and exponential models; powering functions; exponential and logarithmic functions, and polynomials. Many four-year state colleges, universities, and private institutions require this course for admission. Check the math requirements of individual schools that interest you.

(Full Year – 10 Credits)  
Dual Credit option with Central Community College

**ADVANCED MATHEMATICS**

**Grades 11-12**

Elective

Prerequisite: Algebra II

Advanced Mathematics introduces many of the topics that a Pre-Calculus course covers. The content is designed to build upon Algebra II concepts, designed for students not planning to take Calculus their first semester of college. Topics include data analysis, modeling data, probability, sequences and series, various types of functions (trigonometric, quadratic, polynomial, exponential, logarithmic) and their components. This course is a continuation of Algebra II. Many state college, universities, and private institutions are now requiring this course for some major field areas of study. Check the math requirements of individual schools that interest you.

(Full Year – 10 Credits)

**APPLIED STATISTICS**

**Grades 11-12**

Elective

Prerequisite: Algebra II

Introductory concepts of descriptive statistics, sampling, probability, hypotheses testing: binomial, normal, student-t, and chi square distributions; goodness-of-fit, and linear regression.

(Full Year – 10 Credits)  
Dual Credit option with Central Community College

**PRE-CALCULUS WITH TRIGONOMETRY**

**Grades 11-12**

Elective

Prerequisite: Algebra II with a “B” or better both semesters

Pre-Calculus with Trigonometry draw on knowledge obtained in Algebra I, Geometry, and Algebra II. The course covers a wide variety of topics including data analysis, functions and models for data, trigonometry, probability and statistics, sequences and series. Many types of functions are examined, including linear, quadratic, exponential, stepping, sinusoidal, root and powering, logarithmic, and polynomial. Pre-Calculus with Trigonometry is an excellent course for students interested in careers involving mathematics or science (engineering, accounting, computers, business, medicine, etc.). Pre-Calculus with Trigonometry is required to enroll in AP Calculus.

(Full Year – 10 Credits)  
Dual Credit option with Central Community College  
or AP Credit option

**AP CALCULUS**

**Grade 12**

Elective

Prerequisite: Pre-Calculus with Trigonometry with a “C” or better both semesters

The study of calculus builds on previous courses in geometry, algebra, and advanced mathematics. Calculus as a mathematical discipline focuses on two fundamental operations, differentiation and integration, and how they apply to real polynomial functions, trigonometric functions and their inverses, and exponential and logarithmic functions. Calculus is an important course for students interested in science and mathematic-related fields. Students enrolled in this course have the opportunity to earn college credit for their study.



## **PHYSICAL EDUCATION - HEALTH**

(Semester Meets Even/Odd – 2.5 Credits)

### **HEALTH 7**

Required

**Grade 7**

This course provides students with accurate information that they can utilize to develop healthy attitudes and behavior patterns. Critical thinking and decision making skills are taught and practiced throughout the course as students are encouraged to recognize that they have the power to choose healthy appropriate behaviors in order to reduce risks. Prevention is the key to health and wellness. Practicing healthy habits will help to keep a person well and free from disease and other ailments.

(Semester Meets Even/Odd – 2.5 Credits)

### **HEALTH 8**

Required

**Grade 8**

Building upon curriculum covered in Health 7 this course covers current health issues involving risky lifestyle behaviors as well as stress and depression. Age appropriate lessons on sexually transmitted infections, sexual harassment, and AIDS are taught with an emphasis placed on chastity. The Archdiocesan Circle of Grace Program is taught.

(Semester – 5 Credits)

### **HEALTH**

Required

**Grades 10 -12**

This course will review and build upon the basic principles of exercise and fitness as introduced in the JH physical education and health curriculums. Current health issues including lifestyle risk factors, eating disorders, basic nutrition, stress, depression, suicide, and alcohol and prescription and illicit substance use and abuse will be covered. Abstinence training including healthy relations skills and STI/HIV information will also be discussed. CPR and basic first aid skills will be introduced.

(Full Year Meets Even/Odd – 5 Credits)

### **P.E. BOYS/GIRLS**

Required

**Grades 7-8**

This is a required course for all boys and girls in grades 7 and 8. The course will deal with two concepts. The first concept will be the health and physical well-being of each student through various activities, strength, flexibility, and cardiovascular endurance will be worked on. Secondly, team and individual sports will be taught. Written curriculum will include the five basic principles of fitness and the performance factors of movement.

(Full Year Meets Even/Odd – 5 Credits)

**P.E. 9**

**Grade 9**

Required

This is a required course for all 9th grade boys and girls. It will review and expand upon fitness concepts taught in the junior high curriculum. In this class all students will be following lifting principles and working out in a manner that will promote lifting technique improvement and an increase in overall muscular strength. Agility, flexibility and some cardiovascular endurance activities will also be included.

(Semester – 5 Credits)

**\*STRENGTH TRAINING**

**Grades 10-12**

Required (or may choose Personal Fitness)

The strength training class was designed to provide each student with the knowledge needed to understand the importance of strength and fitness training. The learner will understand the importance of setting goals for personal improvement and achievement, and will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle. Each student will participate in a three to four day lifting program with one day focused specifically on flexibility and core strength.

\* Students may repeat activity classes but are NOT allowed to take dual P.E. classes, inclusive of Strength Training in the same semester.

## **SCIENCE**

(Full Year – 10 Credits)

### **LIFE SCIENCE 7**

**Grade 7**

Required

Life Science is the study of living organisms and their interaction with the environment. Students will study cells and their processes, environmental science, heredity, evolution, and characteristics of organisms within various kingdoms.

(Full Year – 10 Credits)

### **EARTH SCIENCE 8**

**Grade 8**

Required

Earth Science is a course designed to give students an understanding and appreciation of the physical environment in which they live. This course will cover a wide range of topics dealing with planet Earth. Topics include the origin of Earth, rocks/minerals, weather/climate, various forces that reshape the Earth's surface (i.e. volcanoes, earthquakes, weathering, rivers, glaciers, etc.), astronomy, oceanography, resource management, and interpretation of maps.

(Full Year – 10 Credits)

### **PHYSICAL SCIENCE 9**

**Grade 9**

Required

Physical Science is designed as an introduction to the major concepts in physics and chemistry. The course includes concepts such as: motion, force, atoms, periodic table principles, compounds, chemical reactions, conservation of matter and energy, gravity, machines, and the behavior of waves. These concepts are investigated through laboratory work, which is designed to develop and promote skills in science inquiry.

(Full Year – 10 Credits)

### **BIOLOGY 10**

**Grade 10**

Required

Biology is the study of life and includes ecology, general structures and functions of organisms, evolution, cellular processes, heredity, and taxonomy.

(Full Year Double Period – 20 Credits)

### **ACCELERATED CHEMISTRY**

**Grades 11-12**

Required (or may choose Astronomy or Chemistry)

Prerequisite: Physical Science, Biology (with at least an overall B average or at teacher's discretion), Algebra I, Geometry, and be enrolled in or have taken Algebra II.

If the student is enrolled in Algebra II at the same time as taking Accelerated Chemistry, the student must pass Algebra II. If the student fails Algebra II at the end of the first semester, he or she must drop Algebra II and drop Accelerated Chemistry. The student must also have passed Biology with at least an overall B average.

Accelerated Chemistry was created for those students who have the aptitude and desire to pursue science as a potential career. It is a fast-moving course that requires self-motivation, independent learning, and abstract thought. In-depth study of the atom and its structure, the history of atomic theory, and the many facets of the periodic table are just the beginning. Inorganic nomenclature, stoichiometry, and acid-base chemistry are also included in this course.

(Full Year Partial Double Period – 14 Credits)

## **CHEMISTRY**

**Grades 11-12**

Required (or may choose Astronomy or Accelerated Chemistry)

Prerequisite: Physical Science, Biology (with at least an overall C average or at teacher's discretion), Algebra I, and be enrolled in or have taken Geometry.

If the student is enrolled in Geometry at the same time as taking Chemistry, the student must pass Geometry. If the student fails Geometry at the end of the first semester, he or she must drop Geometry and drop Chemistry. The student must also have passed Biology with at least an overall C average.

Prerequisite for students completing Geometry Essentials: Must pass both semesters of Geometry Essentials with a 90% average and pass Geometry both semesters, dropping Geometry and Chemistry if fail Geometry at semester. The student must also have passed the Biology with at least an overall C average.

The atom and its structure, the periodic table, solutions and states of matter are examined. The basic terminology of inorganic chemistry is learned. The lab procedures introduce basic skills and safety procedures through a variety of experiments that correlate with material being studied in class.

Full Year – 10 Credits)

## **ANATOMY AND PHYSIOLOGY**

**Grade 12**

Elective

Prerequisite: 86% yearly average in biology

Anatomy and Physiology is the study of the human body's structure and function. Class includes laboratories/dissection, lecture, and guest speakers. Any student interested in a health career, or in the structure and function of the human body, is encouraged to take this course.

(Full Year – 10 Credits)

## **ASTRONOMY**

**Grades 11-12**

Required (or may choose Accelerated Chemistry or Chemistry)

Prerequisite: Algebra I or both Algebra 1A, 1B, and permission of instructor

Foundations of Astronomy will introduce students to fundamental concepts, methods and discoveries in the following areas: motions of the sky, the sun-earth-moon system, the solar system, tools of astronomy, characteristics and the life-cycle of stars, and the structure of the universe. A significant portion of the course will be based on student investigation and laboratory work.

(Full Year Double Period– 20 Credits)

Dual Credit option with Ne. Wesleyan

## **PHYSICS**

**Grades 12**

Elective

Prerequisites: Algebra II, Chemistry

Physics is an exploration of how the universe works! This science attempts to understand and predict how physical objects and quantities will behave. During the year, the students will conceptually and mathematically analyze topics from some of these areas: force and motion, energy, heat and temperature, wave motion, light and optical devices, electricity and magnetism. Regular laboratory work compliments classroom discussion and lecture. Students planning on careers in science or related fields will find this course useful. Students enrolled in Physics have the option of taking this course for dual credit through Nebraska Wesleyan University.

## **SOCIAL SCIENCES**

(Full Year – 10 Credits)

### **SOCIAL STUDIES 7**

**Grade 7**

Required

This course focuses on the prehistoric age to around the year 1000. Special emphasis will be placed on the Greek and Roman empires and how they especially influenced the styles of both the legal system and the government that we have today. Students will also be introduced to the rise of the Catholic Church and the influence it would have in Europe. Students will get an in-depth look at the countries of the Eastern Hemisphere and learn about the cultures of the countries selected. This includes the government, education, religion, economy and people of the region. The goal of Geography is to promote a general understanding of our world's locations that will greatly benefit students as they move forward in our Social Science curriculum. Mapping activities will be an emphasis along with understanding the nuances of different cultures around the globe. Students will be able to make connections as to how world events in the past and present have shaped our globe and its boundaries today. A fundamental knowledge of our human existence and its relationship to our physical environment will be formed in this course.

(Full Year – 10 Credits)

### **MODERN WORLD HISTORY 8**

**Grade 8**

Required

Modern World History focuses on the time period of the Middle Ages to the present time. Students will discover the impact exploration had on the world and the people living in it. Imperialism and the Industrial Revolution are two other points of emphasis as the combination of these two things led to World Wars in the 20th century. Students will also see how the aftermath of those two wars led to controversial issues in the present day.

(Semester meets even/odd – 2.5 Credits)

### **CAREERS 8**

**Grade 8**

Required

The eighth grade Careers course is designed to explore student interests and future career options. Students will participate in taking interest inventories and examine various academic and career paths. Several guest speakers from the community will visit the class. Character development will be addressed, examining the social, moral and ethical behavior of Scotus Central Catholic Students. Character is defined as "the quality of knowing what is right and doing what is right." Self-knowledge and awareness may give us an understanding of the right thing to do, but character causes us to do it. Character Development's overall objective is to guide students to a better understanding of modern social principles and to instill in our young adults overt tools and references to make virtuous decisions.

(Full Year – 10 Credits)

### **AMERICAN HISTORY I**

**Grade 10**

Required

This class will focus on early America and its formation as a country. It will also follow the events of America that eventually lead to Civil War. Special emphasis will be placed on the events prior to and during the American Revolution. Also, we will look in depth at the writing of the Constitution and its impact on our country.

(Full Year – 10 Credits)

**AMERICAN HISTORY II**

**Grade 11**

Required

This class will follow America through the Reconstruction period to modern times. Emphasis will be placed on the impact of the Industrial Revolution and its effect on America. The class will follow America through World War I and II and how they changed America into a superpower. Students will also discover America's role in the world today and the events that shaped America in the latter half of the twentieth century. Students will also have the opportunity to work on skills related to seeking employment by utilizing a partnership with the Columbus Chamber of Commerce.

(Full Year – 10 Credits)

**MODERN GOVERNMENT**

**Grades 12**

Required

Modern Government is a study of our constitutional system with a close examination of the three main branches of our national government with a view to their development and future potential. Emphasis is given to the political process, including pressure groups, political parties, nominations, elections, and voting behavior. Various activities may be included to stimulate interest and participation in the democratic process. Students will also have the opportunity to work on skills related to seeking employment by utilizing a partnership with the Columbus Chamber of Commerce.

(Semester – 5 Credits)

**MODERN PROBLEMS**

**Grades 11-12**

Elective

This course is designed for students who wish to study issues, which influence the economic, social, political, and cultural change and development of modern societies. Class time will include discussions, guest speakers, lectures, film presentations, and library research.

(Semester – 5 Credits)

**PSYCHOLOGY**

**Grades 11-12**

Elective

Psychology is a course that gives a student a better understanding of individual human behavior. During the semester the students will be introduced to many aspects of psychology. Some of the subjects that will be studied are personality and attitude development from infancy to the elderly years, psychological disorders, mental health, and mental illnesses. Class time will include individual and group discussions, lectures, experiments, and research projects.

(Semester – 5 Credits)

**SOCIOLOGY**

**Grades 11-12**

Elective

This course examines human relationships and their effect on our society. Major areas of study are culture including sub-cultures and counter-cultures, socialization of the individual from birth through adulthood, gender roles, marriage and the family, current social problems, deviant behaviors, and the effect of mass media on our society. The format of the class includes lecture, discussion, and student presentations.

(Semester – 5 Credits)

**STREET LAW**

**Grades 11-12**

Elective

Street Law is designed to educate students on the practical application of laws. Students learn basic legal principles to apply as a citizen, consumer and employee. Areas of study include laws applying to minors, contract law, consumer law, employment law, property and landlord/tenant law, insurance, credit law, tort law, and white collar crimes.

## **SPANISH**

A strong working knowledge of English grammar is recommended. College-bound students are strongly encouraged to take two years. If a student fails the 1st semester, he/she will be required to drop the class. If a student fails the 2nd semester and plans to retake the course, he/she will be required to audit and receive a passing grade the 1st semester of the class prior to repeating the 2nd semester.

Native Spanish speakers who wish to test out of beginning levels of Spanish instruction will be asked to take a placement test or tests to determine the appropriate level to begin their study. A minimum grade of 80% and the test administrator's approval would be required to test out of any level. Students would begin their study of Spanish at the age-appropriate level.

(Full Year – 10 Credits)

### **SPANISH I**

**Grades 9-11**

Elective

Prerequisite: A grade average of "C" or better in English or teacher permission

The primary purpose of this introductory course is to begin developing students' reading comprehension, vocabulary, writing, listening and speaking skills in Spanish. Students will also become aware of many different aspects of Hispanic culture and also become aware of its increasing popularity and influence in the United States. A good working knowledge of English grammar is necessary.

(Full Year – 10 Credits)

### **SPANISH II**

**Grades 10-12**

Elective

Prerequisite: A grade average of "C" or better in Spanish I

This course continues building on the skills acquired in Spanish I. Students will continue to develop their reading comprehension, vocabulary, writing, listening, and speaking skills. Instruction of basic verb tenses will be continued. Instruction over different aspects of Hispanic culture will be continued. A good working knowledge of English grammar is necessary. Students will be expected to practice speaking the target language and translating to a level of intermediate proficiency.

(Full Year – 10 Credits)

### **SPANISH III**

**Grades 11-12**

Elective

Prerequisite: A grade average of "C" or better in Spanish II

The purpose of this course is to complete a student's basic understanding of the target language. Grammar instruction will include a review of all verb tenses covered to date along with usage, types and placement of pronouns. Several new verb tenses will be introduced. Students will listen to lectures in Spanish and write assignments in the target language.

(Full Year – 10 Credits)

### **SPANISH IV**

**Grade 12**

Elective

Prerequisite: A grade average of "C" or better in Spanish III

This final course will prepare the student to be as proficient as possible in the target language. Grammar instruction will be reviewed. Students will be expected to develop proficiency in reading Spanish periodicals, essays and works by Spanish authors. Students will be exposed to Spanish history and life in the Hispanic world.

## **STEAM**

Exploration of Science, Technology, Engineering, Art, Mathematics.

(Semester – 5 Credits)

### **STEAM/CAREERS 8**

**Grade 8**

Required

The eighth grade Careers/STEAM 8 course is designed to explore student interests and future career options. Students will participate in taking interest inventories and examine various academic and career paths. Students will be exposed to topics in Science, Technology, Engineering, Arts, and Mathematics and will complete basic projects in each of those topics. Students will join local business/industry personnel to complete lessons concerning that business/industry and will learn about careers associated with that business/industry. Character development will be addressed, examining the social, moral and ethical behavior of Scotus Central Catholic Students. Character Development's overall objective is to guide students to a better understanding of modern social principles and to instill in our young adults overt tools and references to make virtuous decisions.

(Semester – 5 Credits)

### **STEAM FUNDAMENTALS**

**Grade 9**

Elective

This course will introduce students to applications of Science, Technology, Engineering, Arts, and Mathematics. Students will complete basic projects in a variety of topics including electricity, fluid pressure, 3-D printing, robotics, programming, and virtual reality. Students will learn about soft skills and technical communication. Students will be required to keep an engineering notebook. Students will learn about local business/industry when personnel visit the STEAM Lab to work interactively with students on industry specific lessons.

(Semester – 5 Credits)

### **STEAM I**

**Grades 10-12**

Elective

This course will introduce students to applications of Science, Technology, Engineering, Arts, and Mathematics. Students will complete intermediate projects in a variety of topics including electronics, packaging, 3-D printing, robotics, vinyl cutting, programming, and virtual reality. Students will learn about and practice soft skills and technical communication. Students will be required to keep an engineering notebook. Students will learn about local business/industry when personnel visit the STEAM Lab to work interactively with students on industry specific lessons.

(Semester – 5 Credits)

### **STEAM II**

**Grades 10-12**

Elective

Prerequisite: Steam I

This course is the second course where students will complete lessons in applications of Science, Technology, Engineering, Arts, and Mathematics. Students will work on in-depth projects in a variety of topics including electronics, aquaponics, drones, 3-D printing, robotics, vinyl cutting, PLC programming, and virtual reality. Students will continue to practice soft skills and technical communication. Students will be required to keep an engineering notebook. Students will work with local business/industry on industry specific lessons.



(Semester – 5 Credits)

**STEAM III**

**Grades 11-12**

Elective

This course is the third course in applications of Science, Technology, Engineering, Arts, and Mathematics. Students will be working on larger projects that will require independent in-depth problem solving. Students will need to meet with the instructor to the beginning of the semester to discuss project ideas. Students will work with local business/industry in a mentee/mentor capacity on projects.

(Semester – 5 credits)

**STEAM CAPSTONE**

**Grade 12**

Elective

This course is meant for students who have an entrepreneurial, service, or manufacturing idea in the STEAM areas. Students will work with an educational, business or industry partner while completing this project.

## **VISUAL AND PERFORMING ARTS AND COMMUNICATIONS**

The Visual and Performing Art offerings include art, music, speech, and drama classes.

(Semester Meets Even/Odd – 2.5 Credits)

**ART 7**  
Required

**Grade 7**

This is an introductory art course exploring beginning level art techniques and concepts. Students will learn the Elements of Art and apply these elements through various art projects. Students will learn shading techniques, drawing objects and characters using basic shapes, watercolor techniques, etc.

(Semester Meets Even/Odd – 2.5 Credits)

**VOCAL MUSIC 7**  
Required (if not in Band)

**Grade 7**

This course is designed to help the young singer develop his or her voice in conjunction with learning general music theory and history. Students will study unison, two-part, and three-part arrangements to present in a minimum of one concert each semester.

(Semester Meets Even/Odd – 2.5 Credits)

**ART 8**  
Required

**Grade 8**

Students will continue to build on the Elements of Art while being introduced to the Principles of Design and working with new mediums. Students will be learning new drawing and shading techniques as well as using new mediums..

(Semester Meets Even/Odd – 2.5 Credits)

**VOCAL MUSIC 8**  
Required (if not in Band)

**Grade 8**

This course continues the vocal program begun in Vocal Music 7. Students will study more advanced developments of the voice and general music theory and history. Students will study unison, two-part, and three-part arrangements to present in a minimum of one concert each semester.

(Full Year Meets Even/Odd – 5 Credits)

**JUNIOR HIGH BAND**  
Elective

**Grades 7-8**

This class is a continuation of instruction from the elementary grades, centering on refining the instrumental skills of the musician. Students will have a working facility on their instruments of right notes, proper breathing posture, embouchure knowledge, and technique of scales is required. Areas of performance will include concert band and marching band. Junior high students who do not have prior band experience are welcome to begin lessons and to work into band at the director's discretion. A minimum of two concerts per year will be given. This is a full-year course.

(Full Year Meets Even/Odd – 5 Credits)

**ART I**  
Required (if not in Band or Shamrock Singers)

**Grades 9-12**

Students will learn the fundamentals of art as they gain experience with a variety of mediums including graphite, oil pastel, watercolor, ink, printmaking and 3D materials. An emphasis will be put on observational drawing. Students will engage in projects that seek to integrate art and other subjects in school such as literature, math and history.

(Full Year – 10 Credits)

**BAND**  
Elective

**Grades 9-12**

The high school band is a balanced group who will be instructed in performing band music while incorporating critical judgment concerning pitch, tone, dynamics, rhythm, and musicianship. Areas of performance will include concert band, pep band, and marching band. High school students who wish to participate in band are welcome to begin lessons and to work into band at the director's discretion. A minimum of two concerts will be performed each year. Senior high band will focus on learning the control and discipline needed to play in a large ensemble as well as the knowledge and understanding of any music theory that may be necessary. This is a full-year course.

(Full Year Meets Two Days a Week – 4 Credits)

**JAZZ BAND**  
Elective

**Grades 9-12**

Jazz Band meets on Mondays 8:00-8:30 a.m. and on Wednesdays during 1st Period. This course is designed to expand interest and knowledge of many styles of music including popular, swing, and contemporary jazz. This group will perform for concerts, community events, and school functions. Students selected will be required to attend rehearsals outside of class time. Jazz Band instrumentation includes: tenor sax, alto sax, baritone sax, trumpets, trombones, percussion, keyboard, bass guitar and rhythm guitar.

(Full Year – 10 Credits)

**SHAMROCK SINGERS**  
Elective

**Grades 9-12**

Shamrock Singers is a mixed choir open to all high school students. In this class, students will focus on harmonization, blend, tone production, and style through performance pieces. Participation in other choral events include (but is not limited to) District Music Contest, all-school Masses, and school concerts/performances. This is a full-year class.

(Full Year – 10 Credits)

**ART II**  
Elective  
Prerequisite: Art I

**Grades 10-12**

Art II will focus on two dimensional and three dimensional design while students gain more experience with a variety of mediums and techniques. At the end of a project the class will engage in a full class critique to reflect on their work and gain insights from the teacher and students. Art History will focus on European art. Students will have an interest based project due at the end of each quarter.

(Semester – 5 Credits)

**GRAPHIC DESIGN**  
Elective

**Grades 10-12**

Students will learn how to use programs like Photoshop, Illustrator and Indesign as tools to create projects that are applicable to the real world. These projects will demonstrate computer skills such as photo editing, managing layers, and vectorizing images.

(Semester – 5 Credits)

**THEOLOGY AND ART**

**Grades 10-12**

Elective

Prerequisites: Religions 9 and Art I

This course will consider the questions: “What is art?”, “What is the role of art in the life of the Church?”, “How can art be an expression of our faith?”, and “What is the responsibility and mission of Christian artists?” Students will examine these questions through class discussions, the reading of John Paul II’s “Letter to Artists”, and analysis of particular works of art throughout history. The focus will be on the visual arts; however, the class may also touch on other art forms such as music, film, and theater. Students will create several works of art throughout the semester including an icon, an illuminated manuscript, and a self-directed project.

(Semester – 5 Credits)

Option either/or both Terms

**ART III**

**Grades 11-12**

Elective

Prerequisite: Art I, Art II or permission from the instructor

In Art III students will explore techniques and mediums learned on a higher level of expertise. Projects and expectations will be more in depth, advanced and technical really pushing the student as an artist. At the end of a project the class will engage in a full class critique to reflect on their work and gain insights from the teacher and students. Art History will focus on American realism the first semester and modern art the second semester. Students will have an interest based project due at the end of each quarter.

(Semester – 5 Credits)

Option either/or both Terms

**ART IV**

**Grades 11-12**

Elective

Prerequisite Art I, Art II Art III or permission by the instructor

Art IV is designed to be an independent study where students who already have experience through Art I, Art II, and Art III can specialize in projects that interest them. They will be expected to reach certain milestones throughout the semester and reflect on their work. They will also have the responsibility of doing their own art history research.

**EARLY ENTRY PROGRAM**

**Grade 12**

Elective

A senior may register for a course at Central Community College if his/her schedule permits. CCC credits will not be transferred for high school credits.

**MEDIA CENTER AIDE**

**Grades 9-12**

Elective

The student will develop cataloging skills for materials. He/she will also learn to operate and maintain equipment and materials. No credit will be counted toward graduation

**OFFICE AIDE**

**Grades 9-12**

Elective

The student will be responsible for answering the telephone, taking messages, and assist with the counter. There are various other duties consisting of photocopying, errands, and collating. No credit will be counted toward graduation.

**TEACHER AIDE**

**Grades 9-12**

Elective

The student will learn to assist teachers. He/she will work on bulletin boards, operate the copy machine, run errands and other miscellaneous duties. No credit will be counted toward graduation.