

St. Francis High School

Part Of The

Grand Traverse Area Catholic Schools

2020-2021 Course Book



Mission Statement

The Grand Traverse Area Catholic Schools are dedicated to providing a Catholic education -- ensuring educational quality for all families willing to enter into a partnership to develop each child to his or her fullest spiritual and academic potential

The Grand Traverse Area Catholic Schools is a consolidated nonpublic school system for area children in preschool through high school. It was established by the parishes of St. Francis and Immaculate Conception in Traverse City, St. Patrick in Grawn, Christ The King in Acme and St. Joseph in Mapleton.

The parishes are a vital component of the GTAC Schools. Our students, from elementary through high school, represent over 500 parish families. Our area priests, pastoral council members, youth ministers, musical liturgists and parishioners are invaluable resources to our school system - they share their time, expertise and talent with our students and staff



GRADUATION REQUIREMENTS

To graduate from St. Francis High School a senior must have completed the following:

A. A minimum of **24** credited hours of high school work.

B. Required Credits:

| | |
|-----------|--|
| 4 credits | Theology |
| 4 credits | English Language Arts |
| 4 credits | Math (one credit each of Algebra 1, Geometry, Algebra II and an additional math class in the senior year) |
| 3 credits | Science (one credit each of Biology; Physics or Chemistry; and one additional year of science) |
| 3 credits | Social Science, which must include one credit each of US History/Geography, World History/Geography, and one semester each of Economics and Government |
| 2 credits | Foreign Language (two credits of the same language) |
| 1 credit | Physical Education (2 credits of band or 4 high school sports seasons will fulfill this requirement) |
| .5 credit | Visual and performing arts (band classes, art classes, vocal performance, culinary and theater arts) |

All students will enroll in a minimum of six academic classes/credit hours per year. Students may have no more than one study hall or teacher assistant in the course of the regular school day.

C. Students will carry a course for a full semester or year when they register unless released from the course by the principal.

D. If a freshman, sophomore or junior fails to receive at least six credits during the school year, the student will have to attend summer school to fulfill the missing credit or participate in a credit recovery program. The student will be expected to pay any necessary fees for summer school or credit recovery classes.

- E. Students (Grade 9 - 12) will complete a minimum of twenty hours of Christian Service each year as a part of their religion course as well as attend an annual retreat. Satisfactory completion of religion is required for graduation.
- F. No diploma will be issued from Saint Francis High School to a pupil who has not met class or course requirements and/or has not met financial obligations to the school.
- G. All students who elect to take an AP class will be **expected** to take the AP exam at the end of the semester; cost of each exam is approximately \$95.
- H. Classes taken at St. Francis High School must take priority in scheduling over CTC and NMC classes. Permission for online classes will only be granted in the event a scheduling conflict occurs.
- I. For the purpose of selecting Valedictorian and Salutatorian for the graduating class of 2019, 2020, 2021, and 2022 the GPA will be calculated on the following scale:
 - a. Ranked in the top 10
 - b. Core Requirements (Religion, English, Math, Science, Social Studies, and Foreign Language)
 - c. AP classes
 - d. ONLY classes taken at St. Francis High School
 - e. ALL math and science classes
- J. For the purpose of selecting Valedictorian and Salutatorian for the graduating class of 2023 and beyond the GPA will be calculated on the following scale:
 - a. Ranked in the top 10
 - b. Core Requirements (Religion, English, Math, Science, Social Studies, and Foreign Language)
 - c. AP classes
 - d. ONLY classes taken at St. Francis High School
 - e. ALL math and science classes
 - f. Honors classes will be given the weight of 4.5
- K. Students will not be included in the ranking for the graduating class if he or she transfers into our school after their 10th grade/sophomore year. (Approximate rank will be provided.)
- L. Class fees listed in the book are estimates and vary from year to year.

- M. Sophomores wishing to take AP Classes will be reviewed on a case by case basis pending successful completion of the following criteria:
- a. Cumulative GPA of 3.8 or above at the end of freshmen year
 - b. Scores in the "Exceeding" category on the Aspire Test of requested course
 - c. Recommendation from freshmen teacher of same department as requested AP course
 - d. Acceptance from the AP teacher of requested course

SAINT FRANCIS HIGH SCHOOL CURRICULUM

2019-2020

| No. | Course | Grade | Year/Semester |
|--|---|-------|---------------|
| THEOLOGY (4 credits required) | | | |
| 1001-1002 | Introduction to Catholicism | 9 | Year |
| 1024-1025 | Sacred Scripture | 10 | Year |
| 1013-1019 | Theology of the Body/Catholic Apologetics | 11 | Year |
| 1009-1011 | Church History/Social Justice | 12 | Year |
| LANGUAGE ARTS (4 credits required) | | | |
| 1100-1101 | Freshman English | 9 | Year |
| 1103-1104 | Honors Freshman English | 9 | Year |
| 1111-1112 | American Literature & Composition | 10 | Year |
| 1148-1149 | Honors Am. Literature & Composition | 10 | Year |
| 1144-1145 | British Literature | 11 | Year |
| 1146-1147 | Honors British Literature | 11-12 | Year |
| 1115-1116 | AP Language & Composition | 11-12 | Year |
| 1117-1118 | Senior Literature & Composition | 12 | Year |
| 1121-1122 | AP Literature & Composition | 12 | Year |
| 1179-1180 | Modernism & Postmodernism... | 11-12 | Year |
| <u>Language Arts Electives:</u> | | | |
| 1160-1161 | Yearbook | 9-12 | Year |
| SOCIAL STUDIES (3 credits required) | | | |
| 1228-1229 | U.S. History/Geography | 9 | Year |
| 1200-1201 | World History/Geography | 10 | Year |
| 1210 | Government | 10-12 | Semester |
| 1212 | Economics | 10-12 | Semester |
| <u>Social Studies Electives:</u> | | | |
| 1238 | Military History | 11-12 | Semester |
| 1253-1254 | AP Government | 11-12 | Year |
| 1242-1243 | AP Psychology | 11-12 | Year |
| MATHEMATICS (4 credits required) | | | |
| 1300-1301 | Algebra 1 | 9 | Year |
| 1314-1315 | Enriched Algebra | 9 | Year |
| 1305-1306 | Geometry | 9-11 | Year |
| 1334-1335 | Honors Geometry | 9-11 | Year |
| 1309-1310 | Algebra 2 | 10-11 | Year |
| 1318-1319 | Honors Algebra 2 | 10-11 | Year |
| 1336-1337 | Pre-Calculus | 11-12 | Year |
| 1368-1369 | Honors Pre-Calculus | 11-12 | Year |
| 1342-1343 | AP Calculus AB | 11-12 | Year |
| 1344-1345 | College Prep Algebra | 12 | Year |
| 1353-1354 | AP Statistics | 11-12 | Year |

SCIENCE (3 credits required)

| | | | |
|---------------------------|-------------------------|-------|----------|
| 1400-1401 | Physical Science | 9 | Year |
| 1404-1405 | Honors Physical Science | 9 | Year |
| 1406-1407 | Biology | 9-10 | Year |
| 1410-1411 | Honors Biology | 9- 10 | Year |
| 1412-1413 | Chemistry | 10-12 | Year |
| 1414-1415 | Honors Chemistry | 10-12 | Year |
| <u>Science Electives:</u> | | | |
| 1416-1417 | Anatomy and Physiology | 10-12 | Year |
| 1420-1421 | Physics | 11-12 | Year |
| 1446-1447 | AP Biology | 11-12 | Year |
| 1450-1451 | AP Chemistry | 11-12 | Year |
| 1457 | Forensic Science | 11-12 | Semester |
| 1460 | Forensic Science 2 | 11-12 | Semester |

FOREIGN LANGUAGE (2 credits required)

| | | | |
|-----------|----------------------|-------|------|
| 1511-1517 | Latin I | 9-12 | Year |
| 1676-1677 | Latin II | 10-12 | Year |
| 1687-1688 | Latin III | | |
| 1570-1571 | Spanish 1 | 9-12 | Year |
| 1573-1574 | Spanish 2 | 9-12 | Year |
| 1575-1576 | Spanish 3 | 10-12 | Year |
| 1597-1598 | AP Spanish/Spanish 4 | 11-12 | Year |

FINE ARTS (1/2 credit required)

| | | | |
|-----------|------------------------------|------|---------------|
| 1500-1502 | Band | 9-12 | Year |
| 1501 | Color Guard | 9-12 | Fall Semester |
| 1518-1519 | Dei Cantanti (0 HOUR) | 9-12 | Semester/Year |
| 1619 | Sculpture/Metals & Jewelry | 9-12 | Semester |
| 1678 | Advanced Sculpture | 9-12 | Semester |
| 1668 | Digital Photography | 9-12 | Semester |
| 1672 | Advanced Digital Photography | 9-12 | Semester |
| 1674 | 2D Art (Drawing & Painting) | 9-12 | Semester |
| 1675 | Advanced 2D Art | 9-12 | Semester |
| 1549 | Culinary Arts | 9-12 | Semester |
| 1940 | Theater Arts | 9-12 | Semester |

TEST PREPARATION

| | | | |
|-----------|-------------------|-------|----------------|
| 1918-1919 | Academic Resource | 9-12 | Semester |
| | ACT Prep | 10-11 | 5 week session |

TECHNOLOGY

| | | | |
|-----------|--------------------------------|-------|------|
| 1934-1935 | AP Computer Science Principles | 10-12 | Year |
|-----------|--------------------------------|-------|------|

TEACHER ASSISTANT

| | | | |
|-----------|-------------------|-------|------------------|
| 1640-1641 | Teacher Assistant | 11-12 | 1 or 2 Semesters |
|-----------|-------------------|-------|------------------|

PHYSICAL EDUCATION (1 credit required)

| | | | |
|-----------|--------------------------------------|------|----------|
| 1662-1663 | Exercise and Health Science | 9-12 | Semester |
| 1655-1656 | Exercise and Health Science (0 HOUR) | 9-12 | Semester |

DUAL ENROLLMENT

| | |
|-------------------------------|------------------|
| Northwestern Michigan College | 1 or 2 Semesters |
|-------------------------------|------------------|

TRAVERSE BAY AREA INTERMEDIATE SCHOOL DISTRICT – CAREER TECH CENTER

All TBA CTC Courses are full year courses for 11th and 12th graders.
Visit www.tbactc.org for class descriptions.

SEE MRS. MADAY to sign up for CTC classes. SF is only allotted a few spots for classes at CTC and enrollment will be on a first come/first serve basis.



RELIGIOUS EDUCATION

4 Credits Needed for Graduation

The Department of Theological Studies of St. Francis High School is committed to excellence in the spiritual formation of all students. The integration of religious academic instruction, the Christian Service program and the spiritual bedrock of our faith community establish this spiritual formation. Each of these elements may be examined, shaped and formed individually. However, to omit or underestimate any of these elements seriously undermines the quality of the religious education offered at St. Francis.

The Christian Service Program at St. Francis High School sets specific requirements at each grade level. The purpose is to extend our classroom learning by incorporating Gospel imperatives into life experience. Completion of the program's requirements is necessary for religion class credit as well as for graduation.

Service projects center around 6 themes of Catholic Social Justice, which students will learn about as part of their senior Theology coursework. Each student in grades 9, 10, 11, and 12 is required to perform 20 service hours per year, completing 80 hours of service by conclusion of his/her senior year (see below for an explanation of junior hours.) Each student must complete one hour of service in each of six Social Justice themes by graduation. Students have the freedom to choose the type of service they enjoy and find meaningful for the remaining 74 hours. Our goal is to create life-long servants of God, willing to build up and serve the Body of Christ!

Junior year, service hours center around the March for Life in Washington DC. This trip offers a unique opportunity to bring together both a junior retreat experience as well as service opportunity. Students attending the March for Life will complete both requirements for junior year, while enjoying fellowship and what many consider to be a life- changing experience.

Our Campus Ministry program, in conjunction with our religion teachers, provides an annual retreat experience for each grade. The retreats are structured appropriately for each grade level and are designed to help students deepen their relationship with Jesus, each other and themselves. All retreats are a required part of the religious formation at St. Francis.

The senior retreat is called *Kairos*, which means "God's time" and takes place in the fall of each year. Fees will be waived for any student who has difficulty with the cost for any of these retreats.

INTRODUCTION TO CATHOLICISM

COURSE NUMBERS:

First Semester 1001

Second Semester 1002

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 9 | 1 | Full Year |

Introduction to Catholicism is a year-long intensive study of the foundations of the faith. A logical sequence of topics delves into the mystery of God, Creation, the human person, Revelation, the work of Jesus, the mystery of the Church and its work, Christian morality and Eschatology and requires the students to know what the Roman Catholic Magisterium teaches and the underpinnings of a full and vibrant life in Christ. Personal and corporate prayer is integral to the course, as is the GTACS Christian service philosophy. The student must expect to work hard to learn and remember solid facts and information about the Church, and how to apply what they learn in the world. Daily homework and reading is expected, as is essay writing, outside research, and group projects.

The course utilizes the two ibooks Introduction to Catholicism, A Complete Course, published by the Midwest Theological Forum (2013), and Theology for Beginners by F.J. Sheed, published by Angelico Press (2011) as well as any edition of C.S. Lewis' Mere Christianity.

SACRED SCRIPTURE

COURSE NUMBERS:

First Semester 1024

Second Semester 1025

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 10 | 1 | Full Year |

St. Jerome set the stage for our Sacred Scripture course when he said “Ignorance of Scripture is ignorance of Christ.” Beginning “In the beginning”, when God brought the cosmos out of chaos, students will follow the “story” of Scripture from Genesis to Revelation – from Adam and Eve to the Eschaton. Using a tool called Typology, students will come to recognize, as St. Augustine did centuries ago, that “the New Testament is hidden in the Old, and the Old is revealed in the New. They will come to understand how their story fits into HIS-tory.

Relying heavily upon Scripture, and following the exhortation of St. Peter (“Always be prepared to make a defense to anyone who calls you to account for the hope that is in you, yet do it with gentleness and reverence.” 1 Peter 3:15), students will receive an introduction to Apologetics, setting a foundation for defending their faith. Finally, coursework will be supplemented with the Catechism of the Catholic Church, papal encyclicals such as Dei Verbum, the Laudate Scripture iPad App, as well as discussion about current events that affect the Universal Church.

Texts for this course are: 1) Understanding the Scriptures by Dr. Scott Hahn, published by Midwest Theological Forum, and Theology for Beginners by F.J. Sheed.

THEOLOGY OF THE BODY(A)

COURSE NUMBER 1013

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 11 | .5 | Semester |

St. John Paul II, in reflecting on over 1000 verses of Scripture over a period of 5 years, has given us a profound reflection on the human body and what it teaches us theologically. In this course students will study the anthropology of Man as understood through the lens of what has come to be known as the pope's Theology of the Body. Students will be able to articulate what it means to say that Man is "made in God's image and likeness", and show how God designed human sexuality to be a reflection of the inner life and love of the Trinity. Students will be able to extrapolate the implications of our creation as male and female and our call to authentic love, and thus to defend Catholic moral teaching on sexuality and marriage. Application of St. John Paul II's TOB to current national and global discussions on the human person, the family, and the meaning of human sexuality is a course expectation.

Texts for this course include Men and Women Are From Eden: A Study Guide to John Paul II's Theology of the Body by Mary Healy, and Theology of His Body for Beginners by Christopher West. These texts will be augmented with Theology for Beginners by Frank Sheed, as well as papal writings such as *Humanae Vitae* and *Evangelium Vitae*.

CATHOLIC APOLOGETICS (B)

COURSE NUMBER 1019

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 11 | .5 | Semester |

Course Description: Catholic Apologetics offers a practical overview of Magisterial teaching on Catholic Dogma, the goal of which is to enable students to articulate a sound defense of the Catholic faith. Students will learn to form sound arguments formulating true premises, and from them, to drawing logical conclusions. The course syllabus includes Life Issues, Accepted Moral Principles, Scripture as Revelation, Apostolic Authority and the Papacy, Confession, the Eucharist, Purgatory, Sola Scriptura and Sola Fide, along with the 4 major Marian Doctrines. Students will become adept at citing Scripture, drawing on Tradition flowing from the Fathers of the Church and the Catechism of the Catholic Church, and referencing papal documents such as *Humanae Vitae* and *Evangelium Vitae* in forming a sound defense of the faith.

The text for this course is Beginning Apologetics 1: How to Explain and Defend the Catholic Faith, published by San Juan Catholic Seminars, and Theology for Beginners by F.J. Sheed.

CHURCH HISTORY/SOCIAL JUSTICE

COURSE NUMBERS:

First Semester 1009

Second Semester 1011

| Grade Level | Credits | Term |
|-------------|---------|------|
| 12 | 1 | Year |

These two subjects, Church History and Social Justice, are taught concurrently because of the natural flow in development of Christian social justice throughout the history of the Catholic Church from its birth in Jerusalem to its most recent encyclical. Practical as well as theoretical and historical, this course traces the Church's developing theology of economic justice, the dignity of each person, peace and non-violence, responsibility for the earth's resources, sexual issues as well as modern scientific possibilities and life issues on a global and personal level. Highlighted are Gospel values and the Church's teaching, encyclicals as well as martyrs, Church Fathers, Church doctors, saints and movements.



LANGUAGE ARTS

4 Credits Needed for Graduation

FRESHMAN ENGLISH

COURSE NUMBERS:

First Semester 1100

Second Semester 1101

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 9 | 1 | Full Year |

Study Time Needed: Up to 1 hour per night.

Freshman English emphasizes writing skills at the sentence, paragraph and essay level, as well as the conventions of Standard English. The literary concepts of characterization, conflict, point of view, setting, theme, and plot structure and basic literary analysis are approached through a variety of literature. Texts: Literature, Gold (Prentice Hall) and selected outside books.

HONORS FRESHMEN ENGLISH

COURSE NUMBER:

First Semester 1103

Second Semester 1104

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9 | 1 | Full Year |
| Prerequisite: 8 th Grade teacher placement. | | |
| Study time needed: Up to 2 hours per night. | | |

This course is designed to challenge those 9th grade students who have excelled in language arts. This year-long course increases the speed of material presentation, requires more independent reading, introduces increasingly complex analysis, and begins the development of essay writing and research skills that will be expected of students in Honors American Literature and Composition. The students read and compare a variety of literary works across multiple genres. This class sets a faster pace than Freshman English. Nightly homework is expected, as is self-starting, active and engaged participation in class, and a high degree of personal integrity for school work. Text: Literature Gold (Prentice-Hall) and selected outside works.

AMERICAN LITERATURE AND COMPOSITION

COURSE NUMBERS:

First Semester 1111

Second Semester 1112

| Grade Level | Credits | Term |
|--|---------|-----------|
| 10 | 1 | Full Year |
| Study Time Needed: 45 minutes to 1 hour per night average. | | |

American Literature and composition is a literature-based course that follows the path of American History. It offers students a survey of materials by authors who have impacted our history and culture beginning with the early settlers through the modern times. Writing is stressed with an emphasis on thesis, supporting details, organization, and analysis. Students will learn the process of writing a research report and delivering a persuasive speech.

HONORS AMERICAN LITERATURE AND COMPOSITION

COURSE NUMBERS:

First Semester 1148

Second Semester 1149

| Grade Level | Credits | Term |
|---|---------|-----------|
| 10 | 1 | Full Year |
| Prerequisite: Teacher placement, Honors Freshman English recommended. | | |
| Study Time Needed: 1 hour per night average. | | |

Honors American Literature and Composition is an advanced literature-based course that follows the path of American History. It offers students an in-depth survey of materials by authors who have impacted our history and culture beginning with the early settlers through the modern times. Writing is stressed with an emphasis on thesis, supporting details, organization, and analysis. Students will learn the process of writing a research report and delivering a persuasive speech. It is a course designed for students who plan on taking an Advanced Placement English course either their junior or senior year. Students are expected to work independently inside and outside of class.

BRITISH LITERATURE

COURSE NUMBERS:

First Semester 1144

Second Semester 1145

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11 | 1 | Full Year |
| Study time needed: Up to 1 hour per night. | | |

British Literature and Composition is a survey course designed to give students an introduction to the British canon. Beginning with *Beowulf* and ending with modern texts such as *Lord of the Flies*, this course focuses on the impact that British Literature has had on history and culture. Writing will focus on analysis of literary elements.

HONORS BRITISH LITERATURE

COURSE NUMBERS:

First Semester 1146

Second Semester 1147

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11/12 | 1 | Full Year |
| Prerequisite: Teacher placement | | |
| Study time needed: Up to 1 hour per night. | | |

Honors British Literature and Composition is an in-depth survey course designed to prepare students for Advanced Placement Literature and Composition. It offers students a comprehensive understanding of the aesthetic, thematic, and formal development of the British literary canon from the Anglo-Saxon era through modernism. Students improve their reading, thinking, and writing skills through the application of diverse critical perspectives to a wide range of writing styles.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

COURSE NUMBERS:

First Semester 1115

Second Semester 1116

| Grade Level | Credits | Term |
|---|---------|-----------|
| 11/12 | 1 | Full Year |
| Prerequisite: Teacher placement, Honors Literature and Composition, Honors British Literature | | |
| Study Time Needed: 1 hour per night average. | | |

According to the College Board, “An AP course in Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.”

Students should expect to complete multiple in-class timed essays. Also, students will spend time working on vocabulary and literary terms applicable to AP Language. Students will complete a research paper as well as an additional research project. To be successful in AP Language, students must be independent workers who desire to learn more about our language and how it can be used effectively in argument. Text: The Language of Composition by Shea, Scanlon & Aufses.

SENIOR LITERATURE AND COMPOSITION

COURSE NUMBERS:

First Semester 1117

Second Semester 1118

| Grade Level | Credits | Term |
|---|---------|-----------|
| 12 | 1 | Full Year |
| Study Time Needed: Up to 1 hour per night minimum | | |

This course provides a survey of modern literature with a humanities approach, incorporating art, music, philosophy, law, and film. Students will write persuasive and analytical essays about literature and current event topics. Writing, speaking, and critical thinking skills and how they apply to many aspects of everyday life are the focus of this course. Test taking skills and vocabulary development will also be stressed.

MODERNISM & POSTMODERNISM IN THE WEST: The Catholic Struggle in 20th Century Literature

COURSE NUMBERS:

First Semester 1179

Second Semester 1180

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: Teacher placement/recommendation | | |
| Study Time Needed: 1 hour per night average. | | |

This course will examine Catholic thought and literature as it developed in the United Kingdom, the United States, and the European continent during the 20th century. Of particular note will be how Catholic authors interacted with the development of modernist and post-modernist thought. We will include authors more traditionally thought of as “Catholic authors”, as well as others whose faith is not as well known, but deeply informed their writing all the same. Some non-Catholic authors whose writings and beliefs nonetheless align closely with Catholicism will be included as well. The list of authors may include such figures as G.K. Chesterton, Hilaire Belloc, J.R.R. Tolkien, C.S. Lewis, T.S. Eliot, Gerard Manley Hopkins, Teilhard de Chardin, Thomas Merton, Dorothy Day, Flannery O'Connor, Walker Percy, Graham Greene, Pope Saint John Paul II, Don Delillo, Toni Morrison, Jack Kerouac, Walter Miller, and Peter Kreeft, among others.

ADVANCED PLACEMENT LITERATURE & COMPOSITION

COURSE NUMBERS:

First Semester 1121

Second Semester 1122

| Grade Level | Credits | Term |
|---|---------|-----------|
| 12 | 1 | Full Year |
| Prerequisite: Teacher placement, Honors British Literature or AP English Language | | |
| Study Time Needed: 1 hour per night average. | | |

This course is designed for students with a special interest in English. Materials covered, expectations of work, and workload are at a college level. Students are expected to work with considerable independence at home and to contribute frequently to small group and large group discussions. Discussion forms the basis of most classes. Preparing for the AP Literature Exam is a focus along with learning to appreciate literature and writing as valid intellectual pursuits. Students will be expected to complete multiple in-class timed essays as well as do research throughout the year. Much emphasis is placed on the student's growing ability to analyze literature on his/her own. Students will be expected to study vocabulary and literary terms.

YEARBOOK

COURSE NUMBERS:

First Semester 1160

Second Semester 1161

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9-12 | 1 | Full Year |
| Study Time Needed: Interviewing, photographing, etc. - approximately 4-6 hours weekly. | | |

This class will be responsible for the production of the annual school yearbook. Students will be required to go into the community and sell advertisements, create the design and theme of the book, attend multiple events to photograph, write body copy and captions of many layout assignments, and participate in fund raising events. Students will learn marketing skills, finance skills, planning and organizing with due dates, while working with In Design CS2 and Image In. Students will also learn to write from a journalist perspective and will be required to commit time out of the class period and the school day to complete assignments. **For entrance into this class students will be required to have an English teacher placement recommendation.** Editors will be required to attend summer camp



SOCIAL STUDIES

3 Credits Needed for Graduation

WORLD HISTORY AND GEOGRAPHY

COURSE NUMBERS:

First Semester 1200

Second Semester 1201

| Grade Level | Credits | Term |
|---|---------|-----------|
| 10 | 1 | Full Year |
| Prerequisite: Successful completion of 9 th grade US History and Geography. World History and Geography is required for all 10 th grade students and successful completion is mandatory in order to meet the secondary Social Studies curriculum requirements for graduation. | | |
| Study Time Needed: Extensive grade-level reading required on a daily basis. Approximately (45) minutes per night; total (5) hours per week. | | |

World History and Geography is a comprehensive and challenging required course of instruction offered by the Social Studies department. The course material and design appeals to and accommodates visual, auditory, and kinesthetic learning styles. Reading comprehension and note-taking strategies will be reinforced and the writing curriculum will emphasize analysis, persuasion, and research. This course encompasses the historical and geographic themes that reveal the global patterns of cultural and societal development. The scope of learning covers a vast period of time: from early human civilizations to the recent challenges of the twenty-first century. Additionally, the course emphasizes the development of critical thinking skills through inquiry processes and by examining regional and global public discourse and international decision-making. As students progress through the curriculum, they become more aware of themselves, their community, their society, and their nation's position within the global community. Students are encouraged to think deeply about historical interpretations and topics and are expected to fully participate in technology based instruction, unit projects, cooperative learning assignments, and to appropriately collaborate with other students to share thoughts and ideas. By understanding ourselves and our relationships with other regions, cultures, and societies, students can develop a more mature perspective of our present role as global citizens and recognize patterns of change and continuity in our ever changing world.

Student Outcomes: At the conclusion of this course the student will be able to:

- Identify the causes, consequences, and patterns of change in human governance systems, changes over time, and across geographic regions.
- Identify the causes, consequences, and patterns of interactions among societies, including trade, war, diplomacy, and international institutions.

- Comprehend the impact of demographic, technological, environmental, and economic changes on people, their culture, and their environment.
- Assess the causes, consequences, and patterns of cultural, intellectual, religious and social changes across the world, and among and within societies.
- Analyze the relationships between the environment and global and regional developments in population, religion, settlement, economy, and politics.
- Demonstrate competency and understanding of important concepts in global geography.

U.S. HISTORY AND GEOGRAPHY

COURSE NUMBERS:

First Semester 1228

Second Semester 1229

| Grade Level | Credits | Term |
|---|---------|-----------|
| 9 | 1 | Full Year |
| Prerequisite: Successful completion of 8 th grade American History. U.S. History and Geography is required for all 9 th grade students and successful completion is mandatory in order to meet the secondary Social Studies curriculum requirements for graduation. | | |
| Study Time Needed: Moderate grade-level reading required on a daily basis. Approximately (30) minutes per night; total (4) hours per week. | | |

United States History and Geography is an introductory level social studies offering. The course material appeals to and accommodates visual, auditory, and kinesthetic learning styles. U.S. History and Geography encompasses the historical, geographic, religious, civic, and economic perspectives of our nation's cultural and societal development. Geography themes are introduced, reinforced, and assessed in every learning unit. The first semester reviews important concepts and learning from the previous year including the time period of European exploration of the New World through the U.S. Civil War and Reconstruction period. This learning is not redundant in its approach. The curriculum introduces students to strategies for the development of critical thinking skills through inquiry processes, examining public discourse and public decision-making, and how to evaluate the roles of individual citizens as a means to personalize individual responsibilities in a democracy. As students progress through the curriculum, they become more aware of themselves, their community, their society, and their nation's history as well as the important role that geography has in national development. The second semester introduces students to the development of the United States as an industrial nation poised to become an important global force. The majority of the semester explores an American historical perspective of the 20th century and will include an examination of contemporary issues. Students are encouraged to think deeply about historical interpretations and topics and are expected to fully participate in technology based instruction, unit projects, cooperative learning assignments, and to appropriately collaborate with other students to share thoughts and ideas. Successful mastery of this course will ensure that students are well-prepared for the challenges of follow on social studies course requirements and offerings.

Student Outcomes: At the conclusion of this course the student will be able to:

- Identify major historical, geographic, economic, and civic events that have shaped our nation.
- Place major events in the history of the United States in chronological order understanding the cause and effect relationships of national development.
- Analyze the major geographic, political, social, economic, and religious events that helped shape America's national identity and unique culture.
- Demonstrate competency and understanding of important concepts in United States history and geography.

GOVERNMENT

COURSE NUMBER 1210

| Grade Level | Credits | Term |
|--|---------|----------|
| 10-12 | .5 | Semester |
| Prerequisite: American History | | |
| Study Time Needed: Approximately 3 hours per week. | | |

Ideals of popular sovereignty, limited government, separation of powers, checks and balances, judicial review, federalism, a citizen's responsibility, and the voting process will be studied as a live experiment on how and why government is needed to ensure personal liberty. A heavy focus will be on the creation and meaning of the Constitution of the United States.

Units: Principles of Government

- Origins of American Government
- The Constitution
- Federalism
- Executive Branch
- Legislative Branch
- Judicial Branch
- Political Parties
- Electoral Process

Philosophy:

This course is designed to give the beginning voter abilities to responsibly take part in the political process of the United States. Fundamental concepts are discussed to prepare the college student for a continuation of learning and participation towards issues that face modern America.

Long range/heavily weighted projects: Researched project and essay on "Does the United States need to change the way war is made in light of Islamic extremism?", political newspapers, develop a candidate's election campaign.

ECONOMICS

COURSE NUMBER 1212

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 10-12 | .5 | Semester |

A required course, Economics explores the way people throughout modern history determine how resources will be used, and more importantly at what cost. This course provides a hands-on learning experience through the creation of a real company run by students that will raise capital, produce and sell a product to the local community, and be liquidated at the end of the semester. Students will gain a fundamental knowledge of the interdependent parts of an economy, the corporate world, and the language unique to business. In addition to running their own company students will complete several projects, interview guest speakers, and develop skills needed in college.

MILITARY HISTORY

COURSE NUMBER 1238

| Grade Level | Credits | Term |
|---|---------|----------|
| 11-12 | .5 | Semester |
| Prerequisite: Successful completion of all required social studies courses in the offered curriculum prior to the 12 th grade. | | |
| Study Time Needed: Extensive grade-level reading and writing required on a daily basis. Approximately (45) minutes per night; total (5) hours per week. | | |

Military History is an advanced level social studies offering. The course material appeals to and accommodates visual, auditory, and kinesthetic learning styles. This Military History course addresses the evolution of warfare - from ancient times to the present. Reading comprehension and note-taking strategies will be reinforced and the writing curriculum will emphasize analysis, persuasion, and research. This course is specifically designed to prepare students for the rigors of a liberal arts college curriculum. Advanced learning success skills will be introduced and reinforced. The curriculum emphasizes strategies for the development of critical thinking skills through inquiry processes, primary and secondary source analysis, and the synthesis of secondary social studies learning. Students are encouraged to think deeply about historical interpretations and topics and are expected to fully participate in technology based instruction, primary source interpretation, cooperative learning, and seminar style discussions based on reading assignments, and they must appropriately collaborate with other students to share thoughts and ideas. This course will emphasize our Catholic values as they relate to public policies, patriotism, and civic duty.

Student Outcomes: At the conclusion of this course the student will be able to:

- Identify the essential nature of warfare throughout history.
- Place major events in the history of warfare in chronological order understanding the cause and results of conflict.

- Analyze the significant decisive battles that have shaped the course of world history.
- Asses the relationship between geography, technology, and warfare.
- Demonstrate competency and understanding of important concepts in Military history.

AP GOVERNMENT

COURSE NUMBERS:

First Semester 1253

Second Semester 1254

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: Completion of Sophomore Year and teacher recommendation. | | |

This course is designed for students with a special interest in American Government. Collegiate level work is demanded. This work will include a large amount of individual work at home and intense participation within groups. A true commitment is needed to approach this course.

Specific focus of this course will be on the unique process and purpose of the American governmental system. Executive, Legislative, and Judicial branches will be studied at the Federal, State, and local level. Foreign Policy will also be a critical focus.

An average of 30 to 40 pages of reading a week is the norm for this course. Timed essays, research projects, and quizzes on the readings will be expected of the students. A grade of 1 through 5 is how the grades are given on the AP test. A score of 3 is passing, however many schools, such as U of M and MSU, require a score of 4 or 5 for credit.

AP PSYCHOLOGY

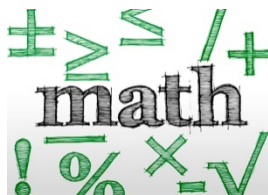
COURSE NUMBERS:

First Semester 1242

Second Semester 1243

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 11-12 | 1 | Full Year |

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major sub fields within psychology. Attention is given to the methods utilized by psychologists, as well as development of critical thinking skills. This course is designed to present an experience equivalent to that obtained in an undergraduate introductory psychology course. The students will also be prepared for the Advanced Placement examination in Psychology administered by the College Board.



MATHEMATICS

4 Credits Needed for Graduation

ALGEBRA I

COURSE NUMBERS:

First Semester 1300

Second Semester 1301

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9 | 1 | Full Year |
| Prerequisite: Approval by SEAS Math Department | | |
| Study Time Needed: 3-4 hours per week. | | |

This course covers the following fundamental areas of algebra: equations, inequalities, graphs, percents, ratios, proportions, exponents, square roots and factoring. Application of these skills is extended to real world situations connecting algebra to geometry, statistics and probability.

ENRICHED ALGEBRA I

COURSE NUMBERS:

First Semester 1314

Second Semester 1315

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9 | 1.5 | Full Year |
| Prerequisite: Approval by SEAS Math Department | | |
| Study Time Needed: 3-4 hours per week. | | |

This class, which meets for two class periods throughout the day, will cover all of the standards and benchmarks of Algebra I with more depth and more examples, along with reviewing essential pre-algebraic concepts. Like Algebra 1, this course covers the following fundamental areas of algebra: equations, inequalities, graphs, percents, ratios, proportions, exponents, square roots and factoring. Application of these skills is extended to real world situations connecting algebra to geometry, statistics and probability. The extra time afforded by this course works to solidify a strong Algebra foundation that is essential to all future math courses. Students in this class will earn 1.5 credits; one math credit which will affect the GPA and .5 general education credit which will not affect the GPA but will count towards total credits needed for graduation. Successful completion of this course will prepare students for entry into Geometry.

GEOMETRY

COURSE NUMBERS:

First Semester 1305

Second Semester 1306

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9-11 | 1 | Full Year |
| Prerequisite: 1) Completion of SEAS Algebra 1 proficiency exam with 75% or higher for incoming 9 th grade students. 2) Successful completion of Algebra 1 for current 9 th graders. 3) Teacher recommendation. | | |
| Study Time Needed: 4 hours per week. | | |

This course provides traditional geometric principles and applications from real world settings as a basis for geometry. Topics include angles, lines, planes, triangles, polygons, circles, areas, volumes, constructions and transformations. The student will be introduced to formal geometric proofs.

HONORS GEOMETRY

COURSE NUMBERS:

First Semester 1334

Second Semester 1335

| Grade Level | Credits | Term |
|---|---------|-----------|
| 9-11 | 1 | Full Year |
| Prerequisite: 1) Completion of SEAS Algebra 1 proficiency exam with 85% or higher for incoming 9 th grade students. 2) Completion of Algebra 1 for current 9 th graders with a B+ or higher. 3) Teacher recommendation. | | |
| Study Time Needed: 4 hours per week. | | |

This course provides traditional geometric principles and applications from real world settings as a basis for geometry. Topics include angles, lines, planes, triangles, polygons, circles, areas, volumes, constructions and transformations. The student will be introduced to formal geometric proofs. Honors Geometry will cover more topics in greater depth than Geometry.

ALGEBRA II

COURSE NUMBERS:

First Semester 1309

Second Semester 1310

| Grade Level | Credits | Term |
|---|---------|-----------|
| 10-11 | 1 | Full Year |
| Prerequisite: 1) Successful completion of Algebra I. 2) Successful completion of Geometry preferred. | | |
| Study Time Needed: 3-4 hours per week. | | |

This course covers a broad range of topics as it continues to solidify a student's algebraic background. Students will simplify and solve equations (linear, absolute value, quadratic, polynomial, logarithmic, exponential, radical, and trigonometric) and inequalities, while also analyzing the graphs of these functions. Real world applications will be used to illustrate these math concepts.

HONORS ALGEBRA II

COURSE NUMBERS:

First Semester 1318

Second Semester 1319

| Grade Level | Credits | Term |
|---|---------|-----------|
| 9-11 | 1 | Full Year |
| Prerequisite: 1) Completion of Algebra I and Geometry/Honors Geometry with an A- or higher. 2) Teacher recommendation. | | |
| Study Time Needed: 3-4 hours per week. | | |

This course will cover topics at a faster pace and in greater depth than in Algebra II. Students will simplify and solve equations (linear, absolute value, quadratic, polynomial, logarithmic, exponential, radical, and trigonometric) and inequalities, while also analyzing the graphs of these functions. Students will be expected to apply their knowledge to real world situations to enhance problem solving skills.

PRE-CALCULUS

COURSE NUMBERS:

First Semester 1336

Second Semester 1337

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: 1) Completion of Algebra 2 with a B or higher. 2) Teacher recommendation. | | |
| Study Time Needed: 5 hours per week. | | |

This course is for seniors interested in a more challenging fourth year math class. Juniors who do not plan on taking AP Calculus senior year are also eligible. Students will continue with the study of equations and inequalities, conic sections, exponential and logarithmic functions, sequences and series, and trigonometry (identities, equations, and applications).

HONORS PRE-CALCULUS

COURSE NUMBERS:

First Semester 1368

Second Semester 1369

| Grade Level | Credits | Term |
|---|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: 1) Completion of Honors Algebra 2 with an A- or higher. 2) Teacher recommendation. | | |
| Study Time Needed: 5 hours per week. | | |

This course is designed for highly motivated students who plan on taking AP Calculus the following year. Topics covered will be similar to pre-calculus, but with a greater depth and at a more rigorous pace. Additional topics will include limits and introduction to derivatives.

AP CALCULUS AB

COURSE NUMBERS:

First Semester 1342

Second Semester 1343

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: 1) Completion of Honors Pre-Calculus with a B or better. 2) Teacher recommendation 4) Minimum of 25 on ACT math. | | |
| Study Time Needed: 5 hours per week. | | |

AP Calculus problems are approached in three ways: graphically, numerically and algebraically. Topics covered will include limits, derivatives, and integrals along with their application to real world settings. All students will take the AP Calculus AB exam in the spring.

COLLEGE PREP ALGEBRA

COURSE NUMBERS:

First Semester 1344

Second Semester 1345

| Grade Level | Credits | Term |
|--|---------|-----------|
| 12 | 1 | Full Year |
| Prerequisite: 1) Successful completion of Algebra 2. 2) Teacher recommendation. | | |
| Study Time Needed: 3-4 hours per week. | | |

This course is for students interested in taking a fourth year of math, but not ready for pre-calculus. This class is designed to help students prepare for the math placement test in college. Additional topics may include trigonometry and statistics, and personal finance.

AP STATISTICS

COURSE NUMBERS:

First Semester 1353

Second Semester 1354

| Grade Level | Credits | Term |
|---|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisites: 1) Completion of Pre-Calculus (regular or honors) with a B or higher, or completion of Honors Algebra 2 with an A- or higher. 2) Teacher recommendation. 3) Minimum of 22 on ACT math. | | |
| Study Time Needed: 5 hours per week. | | |

Students taking AP Statistics will be introduced to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The four broad conceptual themes covered in the course are: (1) exploring data, (2) sampling and experimentation, (3) probability and simulation, and (4) statistical inference. Reading, writing, and interpreting answers are critical components to this class. All students will take the AP Statistics exam in the spring.



SCIENCE

3 Credits Needed for Graduation

PHYSICAL SCIENCE

COURSE NUMBERS:

First Semester 1400

Second Semester 1401

| Grade Level | Credits | Term |
|---|---------|-----------|
| 9 | 1 | Full Year |
| Study Time Needed: 1- 2 hours per week. | | |

Physical Science is a prerequisite for chemistry and physics. The class is a hands on course geared towards the average ninth grader. There is no prerequisite for the class. About one to two hours a week of study and practice is needed outside of class to do well. The course is a lab oriented investigation into metric measurements, laboratory equipment, properties of matter, elements and the periodic table, electron locations, compounds and bonding, solutions, chemical reactions, acid and bases, salts, organic chemistry, force and work, moving objects, laws of motion, heat, electricity, light and sound. Text is Holt's Physical Science ebook (2008).

HONORS PHYSICAL SCIENCE

COURSE NUMBERS:

First Semester 1404

Second Semester 1405

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9 | 1 | Full Year |
| Prerequisites: SEAS teacher recommendation, proficiency in 8 th grade science curriculum by earning a minimum B+ on the mid/term and final exam as well as earning an A in the class. Study Time Needed: 1-2 hours per week. | | |

The class is integrated with the regular physical science course and there is no prerequisite for the class. In addition to regular class work, honors students will meet occasionally outside of class for approximately one extra lab a quarter and to work on and discuss additional materials and resources. There will be additional honors sections on all tests and quizzes. The text is Holt's Physical Science ebook (2008).

BIOLOGY

COURSE NUMBERS:

First Semester 1406

Second Semester 1407

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 9-10 | 1 | Full Year |

General biology is the study of living organisms. Throughout the course an emphasis is placed on strengthening the scientific reasoning process. This study focuses on cellular biology as well as genetics and microbiology. An introduction to human structure and function is also included. Lectures, discussions, activities and labs are utilized. The text for this class is the Miller and Levine iBook. HIV/AIDS is also covered using materials recommended by the Diocese of Gaylord.

HONORS BIOLOGY

COURSE NUMBERS:

First Semester 1410

Second Semester 1411

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 9-10 | 1 | Full Year |

Honors Biology is the study of living organisms. This course follows the Biology Course but is more rigorous. The text for this class is the Miller and Levine iBook. Readings and discussions occur, using supplemental material provided by Prentice Hall. Projects, labs and tests are set to higher standards. Admittance is at the beginning of the school year. Since this is a year long course new admissions or early exits are not allowed. Participation in the DNA Workshop offered through Ferris State University is mandatory. HIV/AIDS is also covered using materials recommended by the Diocese of Gaylord.

CHEMISTRY

COURSE NUMBERS:

First Semester 1412

Second Semester 1413

| Grade Level | Credits | Term |
|---|---------|-----------|
| 10-12 | 1 | Full Year |
| Prerequisites: Physical Science or Honors Physical Science; Algebra I (passing grade). Algebra II and Geometry are recommended. | | |
| Study Time Needed: 1-2 hours per week. | | |

The class is a challenging course and requires an ability to use math and the ability to recall and synthesize complex information. The course investigates measurements in chemistry, matter, chemical formulas, moles, chemical equations, atomic structure, electron locations, periodic table, periodic properties, chemical bonding, molecular structure and polarity, kinetic theory, solids, liquids, gases, reaction rate, equilibrium, solutions, acids, bases, salts and organic compounds. Text is Pearson's iBook "Chemistry"(2012).

HONORS CHEMISTRY

COURSE NUMBERS:

First Semester 1414

Second Semester 1415

| Grade Level | Credits | Term |
|--|---------|-----------|
| 10-12 | 1 | Full Year |
| Prerequisite: Physical Science or Honors Physical Science; Algebra I (passing grade). Algebra II and Geometry are recommended. | | |
| Study Time Needed: 1 ½ - 2 ½ hours per week. | | |

The class is a challenging course and requires an ability to use math and the ability to recall and synthesize complex information. This class includes all that is done in general chemistry. We meet for one extra class period every Friday at 7:00 a.m. and go into the topics covered in general chemistry in much more mathematical and technical detail. We also go into some areas not covered in general chemistry. The text is Chemistry, A Modern Course (1983).

AP CHEMISTRY

COURSE NUMBERS:

First Semester 1450

Second Semester 1451

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: Successful completion of Honors Physical Science and Honors Chemistry with an A and as well as a minimum of B+ for Algebra II. Students must also earn a minimum of 25 on the math portion of the ACT. | | |

AP Chemistry is a two-semester course that is the equivalent of an introductory or first year college level chemistry course that is provided to capable students in a high school environment. Students are expected to have a strong background in mathematics since AP Chemistry involves numerical problem solving. The goal of AP Chemistry is to provide a foundation of knowledge on which to rationalize, summarize and predict the structure and properties of materials that make up chemistry. The course is lab-oriented with special emphasis on quantitative and qualitative methods of analysis. To take AP Chemistry students must have completed and earned an A in both honors physical science and honors chemistry, as well as at least a B+ in Algebra II. The student must also have a 25 or higher on the math portion of the ACT. Text is Spencer, Bodner, Richard. Chemistry: Structure and Dynamics. Wiley (2012)

ANATOMY/PHYSIOLOGY

COURSE NUMBERS:

First Semester 1416

Second Semester 1417

| Grade Level | Credits | Term |
|------------------------|---------|-----------|
| 10-12 | 1 | Full Year |
| Prerequisite: Biology. | | |

Anatomy and Physiology deals with the study of the systems of the body, both their structure and function. It involves lectures, discussions and labs. Extensive dissection is used as a study tool in learning the human body systems. The textbook for this class is Hole's Essentials of Human Anatomy and Physiology 10th edition (Shier 2009).

PHYSICS

COURSE NUMBERS:

First Semester 1420

Second Semester 1421

| Grade Level | Credits | Term |
|---|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: Algebra 2 and Physical Science. | | |
| Study Time Needed: 2-3 hours per week. | | |

The class is a challenging course and requires a high level of proficiency in math. There is one major project due each semester which will require about 8 hours of work and several hours of planning outside of class for each. Each project is worth a test grade of 100 points. In this course the student will investigate measurements in physics, mathematical relationships, motion in a straight line, graphical analysis of motion, forces, vectors, and motion in two dimensions, universal gravitation, and space-time exceptions to Newton's laws, momentum, work, power, waves, light, and electricity. Text is Physics Principles and Problems (1986) and the lab manual is Physics Principles and Problems (1986). Chapters to be completed are 1-11, 15-24.

AP BIOLOGY

COURSE NUMBERS:

First Semester 1446

Second Semester 1447

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: Completion of Biology and Chemistry. | | |

Advanced Placement Biology is a rigorous course designed to be the equivalent of a university-level freshman biology course taken by life science majors. The textbook required for this class is AP Biology 7th edition (Campbell). After demonstrating proficiency (a 3 or better on the spring AP Biology Exam), students may be granted credit by a college or university and be able to take upper-level courses for which a biology/laboratory science course is a prerequisite. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with the rapidly changing science of biology and its impact on society at large. Recommended prior course work includes: biology and chemistry.

FORENSIC SCIENCE

COURSE NUMBER: 1457

| Grade Level | Credits | Term |
|--|---------|----------|
| 11-12 | .5 | Semester |
| Prerequisite: Successful completion of Physical Science, Biology, and Chemistry. | | |
| Course fee: \$10 | | |

Forensic Science is a one semester course designed to help students develop a basic understanding of the principles of forensic crime investigation. We will study the history of forensics, as well as the collection, examination, evaluation and interpretation of evidence. Some of the topics covered are DNA fingerprinting, fingerprint analysis, hair and fiber comparison, forensic entomology, forensic toxicology, and crime scene analysis. A variety of instructional strategies will be used, including: textbook reading, presentations, videos, small and large group discussion, guest speakers, hands-on activities, labs, and projects. There will be a lab fee for this course.

FORENSIC SCIENCE 2

COURSE NUMBER: 1460

| Grade Level | Credits | Term |
|--|---------|----------|
| 11-12 | .5 | Semester |
| Prerequisite: Successful completion of Physical Science, Biology, and Chemistry, Forensic Science. | | |
| Course fee: \$10 | | |

Forensic Science 2 is a one semester course and is a continuation of Forensic Science class. We will continue with the study of the history of forensics, as well as the collection, examination, evaluation and interpretation of evidence. Some of the topics covered are DNA fingerprinting, fingerprint analysis, hair and fiber comparison, forensic entomology, forensic toxicology, and crime scene analysis. A variety of instructional strategies will be used, including: textbook reading, presentations, videos, small and large group discussion, guest speakers, hands-on activities, labs, and projects. There will be a lab fee for this course.



FOREIGN LANGUAGE

2 Credits in Foreign Language

SPANISH I

COURSE NUMBERS:

First Semester 1570

Second Semester 1571

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9-12 | 1 | Full Year |
| Prerequisite: Grade of C or better in English grammar. | | |

Spanish I will be an introduction to the fundamentals of the sound system, structural patterns and vocabulary of the Spanish language. Early emphasis is on recognition, reproduction and comprehension of the sounds of the language with subsequent introduction to reading and writing. The culture and way of life of Spanish-speaking countries are also incorporated into the program. Text: *Buen Viaje!* Level 1, and ancillary materials to be provided by the instructor as needed.

SPANISH II

COURSE NUMBERS:

First Semester 1573

Second Semester 1574

| Grade Level | Credits | Term |
|---|---------|-----------|
| 9-12 | 1 | Full Year |
| Prerequisite: Successful completion of Spanish I. | | |

A continuation of Spanish I with an introduction to more advanced structures. Past, future and conditional tenses are learned. The culture and way of life of Spanish-speaking countries continues to be incorporated into the program. The use of a Spanish reader, cloze procedures with authentic music and videos enhances the appreciation and understanding of the language. Text: *Buen Viaje!* Level II, and ancillary materials to be provided by the instructor as needed.

SPANISH III

COURSE NUMBERS:

First Semester 1575

Second Semester 1576

| Grade Level | Credits | Term |
|---|---------|-----------|
| 10-12 | 1 | Full Year |
| Prerequisite: Spanish II or equivalent. | | |

More vocabulary, advanced grammatical structures and verb tenses are taught. Students are introduced to Spanish literature. More emphasis is placed on reading, writing and listening. Spanish culture is further explored. The use of a Spanish reader, cloze procedures with authentic music and videos enhances the appreciation and understanding of the language. Text and workbook: *Interacciones, Reader: La Gitanilla, Don Quijote, Mi propio auto, Noche de Oro* and ancillary materials to be provided by the instructor as needed.

SPANISH 4/ AP SPANISH

COURSE NUMBERS:

First Semester Spanish 4: 1583

First Semester AP Spanish: 1597

Second Semester Spanish 4: 1584

Second Semester AP Spanish: 1598

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisite: Spanish III or equivalent. | | |

All students entering AP Spanish must have passed successfully the first three years of Spanish or the equivalent thereof. The focus of the fourth year will be again on speaking, with more specific grammatical concepts will be introduced throughout the year, and a thorough review of all verb tenses from the previous year plus the subjunctive and imperfect subjunctive. Students will be engaged in original narratives, essays and skits. We will also be reading a lot and studying the culture through the readings that we do. A variety of activities will be utilized throughout the year to enhance the student's experience. This class is designed to prepare students for higher level foreign language courses with expectations similar to those found in universities. This course is comparable to a fourth semester Spanish class at the college level and involves rigorous course work with the common expectation that students will use the second language to communicate, explain, question and analyze.

Philosophy of the Course

Spanish is offered to help students develop proficiency in listening, speaking, reading and writing in the target language. The material will be presented only in Spanish so that the students become accustomed to listening, speaking and interacting in the target language. One can greatly increase their marketability in the modern job market while increasing their global awareness and communication skills.

LATIN I

COURSE NUMBERS:

First Semester 1511

Second Semester 1517

| Grade Level | Credits | Term |
|------------------------------------|---------|-----------|
| 9-12 | 1 | Full Year |
| Study Time Needed: 1 hour per week | | |

This course will lead students in a discovery of the Latin language and classical Roman culture through reading proficiency. Students will learn grammar and vocabulary through immersive texts that cyclically and naturally develop linguistic concepts such as the active and passive voices, the present tense of verbs, noun declensions, idiomatic expressions and more. You will also explore the Latin influences on the English language, using cognates as a vocabulary-building tool. Skill-appropriate Early and Medieval Christian texts will provide other real-life examples of Latin that students will be able to use to further develop their understanding of Latin as a language and as a cultural artifact.

LATIN II

COURSE NUMBERS:

First Semester 1676

Second Semester 1677

| Grade Level | Credits | Term |
|---|---------|-----------|
| 10-12 | 1 | Full Year |
| Prerequisites: Successful completion of Latin I | | |
| Study Time Needed: 1 hour per week | | |

LATIN III

COURSE NUMBERS:

First Semester 1687

Second Semester 1688

| Grade Level | Credits | Term |
|--|---------|-----------|
| 11-12 | 1 | Full Year |
| Prerequisites: Successful completion of Latin II | | |
| Study Time Needed: 1.5 - 2 hours per week | | |

Latin students will continue to improve their knowledge of Latin grammar and vocabulary. An important part of this year will be using authentic Latin texts, including selections from Ceasar's *Gallic Wars*, Olvid's *Metamorphoses*, the Vulgate Bible, and St. Augustine's *Confessions*. Students will continue to learn about Roman culture and history, along with examinations of Early Christian thought from the patristic period.



FINE ARTS

.5 Credit in Visual or Performing Arts

PERFORMING ARTS TRIAD

There are many students at St. Francis High School whose interest in vocal music or drama conflicts with their interest in Band. To accommodate those students, vocal music and drama will be offered on a for-credit basis with the classes scheduled outside of the regular school day. All regular course requirements, including attendance and grading will be incorporated into these new courses.

MARCHAND BAND/CONCERT BAND (Full year class)

COURSE NUMBERS

First Semester 1500

Second Semester 1502

| Grade Level | Credits | Term |
|--|---------|-----------|
| 9-12 | 1 | Full Year |
| Prerequisite: Middle School participation or perform an entrance audition. | | |
| Class Fee: \$40.00 | | |

Marching Band averages about nine weeks at the beginning of the school year. The band performs at ALL home football game, some possible away games, exhibitions and/or contests. These “co-curricular” performances happen outside of class time and are required. There are also pre-school obligations in the summer consisting of Cherry Camp and Parade for the Cherry Festival, as well as a week-long Band Camp. Percussion and guard members are also expected to attend mini-camps the week prior to Band Camp because their areas of expertise require more attention.

Concert Band season begins as Marching Band is winding down. During the Concert Band season there will be concerts, Festivals, and Pep Band games these “co-curricular” events are required. Concert Band includes fundamentals of playing, development of the disciplines necessary for music groups, technical development and concert and contest experience. Students who take two full years of band may waive the physical education requirement.

COLOR GUARD

COURSE NUMBER 1501

| Grade Level | Credits | Term |
|----------------------------------|---------|----------------|
| 9-12 | .5 | First Semester |
| Prerequisite: Tryout. | | |
| Class Fee: Approximately \$30.00 | | |

This group is a part of the Marching Band and coincides with all of the requirements of the Marching Band. Auditions are required for this group and will be held in the spring, prior to the summer break. Grades will be assigned and given credit for, just the same as for the Band members.

Those auditioning who also play an instrument will fall into Concert Band rehearsals along with the rest of the band. Those members who do not play an instrument at the end of marching band will have two options: to be an aid for the band director or be enrolled into a study hall for the class period.

DEI CANTANTI (0 HOUR)

COURSE NUMBERS:

First Semester 1518

Second Semester 1519

| Grade Level | Credits | Term |
|--------------------|---------|-----------------------|
| 9-12 | .5 or 1 | Semester or Full Year |
| Class Fee: \$20.50 | | |

This course will teach the fundamentals of singing, such as breathing techniques, diction, vocal projection, sight-reading and music interpretation. Learn to sing choral music of the renaissance period through to the contemporary styles of today. This is a ZERO hour class which will be held before school hours. This class meets two -three days per week. Members will be expected to participate in evening concerts, weekly and all school mass, Baccalaureate Mass as well as the Choral Festival.

SELECT ENSEMBLE

Fall Auditions. Select Ensemble members are also members of Dei Cantanti and meet for practice two additional days per week. Select Ensemble members must participate in District Solo and Ensemble Festival.

THE ART DEPARTMENT

The Art Department strives to develop an appreciation and awareness for the beauty that surrounds us in the world. Students are instructed in the skills and disciplines necessary to create a fine work of art. The goals of the art department are to make the students more aware of their hidden potentials and gifts, to challenge their creativity, and to help them convey their feelings and thoughts through the visual media.

Students who are interested in the arts should begin in their freshman year so that they have full opportunity to develop their creative potential. Each semester course is based on a sequential building of skills and techniques; thus prerequisites must be followed.

SCULPTURE/METALS & JEWELRY

COURSE NUMBER: 1619

ADVANCED SCULPTURE/METALS & JEWELRY

COURSE NUMBER: 1678

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 9-12 | .5 | Semester |

This course will consist of learning and utilizing the three main construction techniques: coil, slab, and molded form construction. Students will learn how to create pieces thrown on the pottery wheel; learn various surface decoration techniques, and traditional glazing. Students will focus on both historical pottery forms as well as contemporary ceramics.

This course also covers basic techniques and concepts of metalsmithing such as cutting, sawing, drilling, riveting, filing, and casting. Students will learn both cold and heat joining fabrication techniques to create a variety of projects including: key chains, necklaces, earrings, pins, and rings. Students will also be introduced to small scale casting as well as bending and forming techniques. All projects incorporate principles of design and place an emphasis on craftsmanship and personal expression. Materials for required work will be provided. Students may supply their own sterling silver or other optional materials such as beads, chains, and cords.

DIGITAL PHOTOGRAPHY

COURSE NUMBER: 1668

ADVANCED DIGITAL PHOTOGRAPHY

COURSE NUMBER 1672

Class Fee: \$10.00

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 9-12 | .5 | Semester |

This course is designed for students interested in learning the fundamentals of digital photography and digital graphics. Students learn the origin of photography and its relationship to the other arts along with various functionalities of a camera. Students will learn the fundamentals of digital photography, composition, digital editing, and the history of photography. This course is a mixture of photography, technical instruction, and discussion of student work. Digital cameras will be provided for student use while enrolled in this class. Students will be expected to spend approximately one hour every week outside of class time on a photographic assignment, but editing/uploading will be completed during class time. Additionally, in class work will include class discussions, photo exercises, and photo shoots. **Instructor approval.**

2D ART (Drawing & Painting)

COURSE NUMBER: 1674

ADVANCED 2D ART (Drawing & Painting)

COURSE NUMBER: 1675

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 9-12 | .5 | Semester |

Students will develop an understanding of the elements and principles of art and design. The course will primarily be devoted to developing basic observation drawing skills, creating depth on a two-dimensional surface, and learning the skills of portrait drawing. Students will study a variety of painting styles and techniques using water color, acrylics, tempera, and mixed media. Students will also learn how to successfully view and critique historical art works as well as art of the 20th century. An advanced level of this course is available with instructor approval.



CULINARY ARTS

COURSE NUMBER: 1549

| Grade Level | Credits | Term |
|--------------------|---------|----------|
| 9-12 | .5 | Semester |
| Class Fee: \$35.00 | | |

This course explores the world of cooking and it gives students the opportunity to develop skills to be used in a future career or daily life. Students will learn where our food comes from, how to follow a recipe, the importance of being safe and sanitary, and strategies in buying food. Culinary Arts is a hands-on course where the student will learn cooking techniques from grilling to baking bread. Skills gained will give the student the ability to create meals efficiently while understanding and being able to control the ingredients used, leading to a healthy future!



THEATER ARTS

COURSE NUMBER: 1940

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 9-12 | .5 | Semester |
| | | |

In this class, students will develop public speaking skills, build confidence, and learn to think on their toes through creative dramatics. Course work will include improvisation, scene work, voice and diction, acting, and the exploration of theatrical works. Taught by the director of this spring's musical, Stacia Sexton, students in Theatre Arts will discover the art of being comfortable with being uncomfortable and they will have a lot of fun along the journey.



TEST PREPARATION

ACT PREP

COURSE NUMBER

| Grade Level | Credits | Term |
|-------------|---------|-----------------|
| 10-11 | 0 | 5 week sessions |

This class is designed to make students aware of and comfortable with the features and format of the ACT college entrance exam. The class is run during most study halls, at lunch or after school. Each session meets 5 days a week for 5 weeks. Students will learn test-taking strategies and time-management skills. They will review all of the math formulas, English grammar rules, scientific methods and models, and reading comprehension strategies using Peterson's The Real ACT, 3rd Edition as practice.

ACADEMIC RESOURCE

COURSE NUMBERS:

First Semester 1918

Second Semester 1919

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 9-12 | 0 | Semester |

This class is designed to give students additional study time throughout the school day. Academic Resource is to be used as a study hall class period and it is monitored by a teacher. Teachers will use this time to monitor the progress of your child and will provide strategies to encourage academic success. No credits are granted for this class and it will not impact GPA. Students who elect Academic Resource should expect to remain in the class and work quietly during the duration of class time.



TECHNOLOGY

AP COMPUTER SCIENCE PRINCIPLES

COURSE NUMBER:

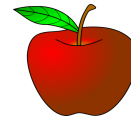
First Semester 1934

Second Semester 1935

| Grade Level | Credits | Term |
|---|---------|------|
| 10-12 | 1 | Year |
| Prerequisite: Success in Algebra I; previous programming experience, such as an introductory course in programming (Robot C, Java); basic understanding of networks. | | |

AP Computer Science Principles is designed to be equivalent to a first semester introductory college computing course. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

TEACHER ASSISTANT



TEACHER ASSISTANT - HIGH SCHOOL

COURSE NUMBERS:

First Semester 1640

Second Semester 1641

| Grade Level | Credits | Term |
|------------------|---------|----------|
| 11-12 | .5 | Semester |
| 1 Credit Maximum | | |

Teacher Assistant is designed to give students an opportunity to work with an elementary teacher or high school teacher during a class period. Their duties may include, but are not limited to: photocopying, grading papers, creating bulletin boards, computer work, and helping in daily classroom activities. **Students will be expected to remain with this teacher during the entire hour.** A student may receive .5 credit for each semester (1 credit maximum) and this will not reflect a letter grade. **Students must obtain teacher permission prior to scheduling this class -each teacher may have only 3 teacher assistants per semester.**



PHYSICAL EDUCATION

1 Credit Needed for Graduation

EXERCISE AND HEALTH SCIENCE

COURSE NUMBER 1662 -1663

EXERCISE AND HEALTH SCIENCE (0 HOUR)

COURSE NUMBER 1655-1656

| Grade Level | Credits | Term |
|-------------|---------|----------|
| 9-12 | .5 | Semester |

Students will learn lessons for a lifetime that include nutrition, weight training, plyometrics, flexibility and cardiovascular fitness. The course will also incorporate elements of physics, anatomy and physiology and kinesiology. Students will develop an understanding and appreciation for the human body as well as how to stay healthy and fit for a lifetime.

The course is geared to all students, including those with little or no athletic experience. Emphasis is on strengthening the entire body. Proper weight lifting techniques, weight room safety and total body strength will be emphasized. **There is a ZERO hour option for this class, three days per week before school hours, if you would like to take this class during zero hour, please make that notation on your course selection sheet. This class meets three days per week starting at 6:45 a.m.**

DUAL ENROLLMENT PROGRAMS

NMC DUAL ENROLLMENT PROGRAM

| Grade Level | Credits | Term |
|-------------|---------|-----------------------|
| 12 | .5 or 1 | Semester or Full Year |

Part of our mission at St. Francis High School is to provide the broadest educational program we can on a cost-effective basis. To this end, we are looking beyond our walls to make additional learning opportunities available to our students. The **NMC Dual Enrollment Program** provides additional areas into which qualified students may expand. This option is available only to take courses that are not offered at St. Francis High School.

Qualified students may take college level classes while still in high school by dual enrolling at St. Francis and NMC. Students will earn a college grade, which will become part of their college transcript. It is possible for students to also earn high school credit, which may be used to meet graduation requirements at St. Francis. The student's schedule at St. Francis will take precedence so as not to compromise the quality of education. Act early if you wish to pursue this option.

A 3 credit hour NMC course can equate to 1 St. Francis credits. A student who carries 4 or more credit hours at NMC may have their course requirements at St. Francis High School modified. To attend NMC, you must have a MINIMUM Cumulative GPA of 3.3 and/or an ACT English score of 19 and an ACT Reading score of 19.

MANUFACTURING TECHNOLOGY ACADEMY

| Grade Level | Credits | Term |
|-------------|----------|-----------|
| 11-12 | 4 or 4.5 | Full Year |

The Manufacturing Technology Academy is a two-year high school program that integrates courses in science, mathematics, economics and English around the theme of manufacturing. Tenth grade students apply to the Academy and are interviewed by members of the MTA Manufacturer's Council, and students are accepted on the basis of attitude and enthusiasm as well as grades.

Potential Academy students should have an interest in manufacturing, business, mathematics and technology along with problem solving and hands-on learning. In addition, applicants should have a good attendance record, a strong work ethic and should have successfully met and exceeded all tenth grade academic requirements.

Students learn real-world industrial skills along with a rigorous academic curriculum. MTA students complete an internship with a local manufacturing company and participate in company tours, job shadowing, special projects at

manufacturing facilities and industry-led seminars. Each student is matched with a mentor from industry. Students may apply to the National Technical Honors Society and also participate in regional and national engineering and design competitions.

TRAVERSE BAY AREA INTERMEDIATE SCHOOL DISTRICT
PROGRAMS AVAILABLE AT THE CAREER TECH CENTER

| Grade Level | Credits | Term |
|-------------|---------|-----------|
| 11-12 | 3 | Full Year |

At the TBA Career Tech Center, students in grades 11-12 can develop the career and technical skills needed to compete in today's rapidly changing business and industrial world. St. Francis students attending Career Tech in the afternoon must enroll in a minimum of four classes at St. Francis. Three credits will be given for Career-Tech classes in which students maintain good grades and good attendance.

Students attending TBA are expected to be in attendance for the entire session regardless of dismissal times for students from other schools. Students will also be expected to attend TBA on those days when St. Francis High School only has a half-day of school unless specifically excused by St. Francis. **See the counselor for a more complete description of the program.**