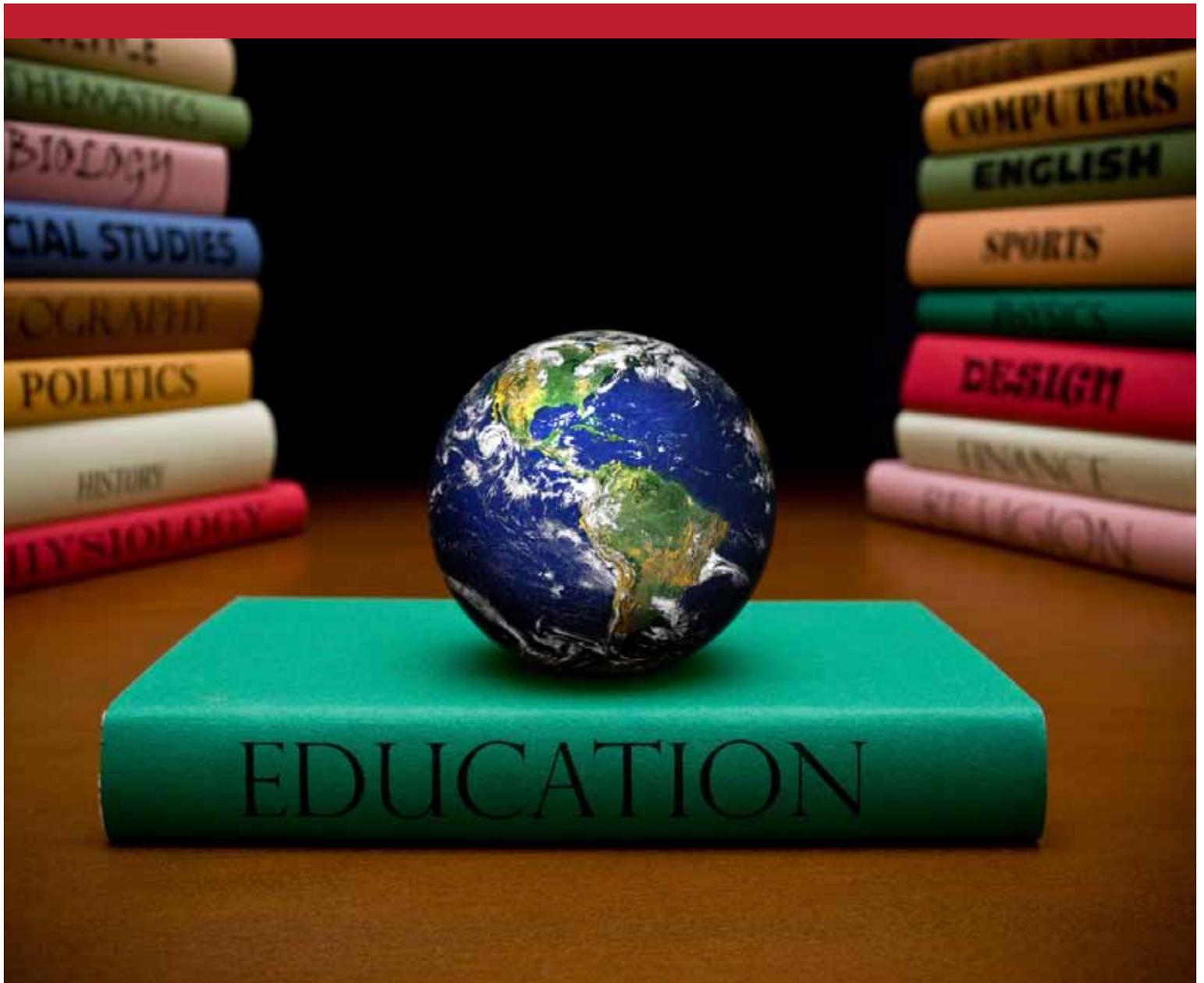




SACRED HEART ACADEMY

Est. 1889

COURSE GUIDE 2015 - 2016





SACRED HEART ACADEMY

Est. 1889

Sacred Heart Academy
316 E. Michigan Street
Mount Pleasant, MI 48858
(989) 772-1457
sha.net

Mission Statement

Sacred Heart Academy, a Catholic school founded in 1889, is committed to the mission of Jesus Christ. With our families and faith community, we provide a balanced curriculum, to strengthen mind, body, and spirit in order to fulfill God's purpose.

“Through your joyful witness and service, help to build a civilization of love. Show, by your life, that it is worth giving your time and talents in order to attain high ideals, it is worth recognizing the dignity of each human person, and it is worth taking risks for Christ and his Gospel.”

*Pope Francis, I
(7/28/13, Farewell)*

Seven Principles of Catholic Social Teaching

Life and Dignity of the Human Person

The Catholic Church proclaims that human life is sacred and that the dignity of the human person is the foundation of a moral vision for society. This belief is the foundation of all the principles of our social teaching. In our society, human life is under direct attack from abortion and euthanasia. The value of human life is being threatened by cloning, embryonic stem cell research, and the use of the death penalty. The intentional targeting of civilians in war or terrorist attacks is always wrong. Catholic teaching also calls on us to work to avoid war. Nations must protect the right to life by finding increasingly effective ways to prevent conflicts and resolve them by peaceful means. We believe that every person is precious, that people are more important than things, and that the measure of every institution is whether it threatens or enhances the life and dignity of the human person.

Call to Family, Community, and Participation

The person is not only sacred but also social. How we organize our society -- in economics and politics, in law and policy -- directly affects human dignity and the capacity of individuals to grow in community. Marriage and the family are the central social institutions that must be supported and strengthened, not undermined. We believe people have a right and a duty to participate in society, seeking together the common good and well-being of all, especially the poor and vulnerable.

Rights and Responsibilities

The Catholic tradition teaches that human dignity can be protected and a healthy community can be achieved only if human rights are protected and responsibilities are met. Therefore, every person has a fundamental right to life and a right to those things required for human decency. Corresponding to these rights are duties and responsibilities--to one another, to our families, and to the larger society.

Option for the Poor and Vulnerable

A basic moral test is how our most vulnerable members are faring. In a society marred by deepening divisions between rich and poor, our tradition recalls the story of the Last Judgment (Mt 25:31-46) and instructs us to put the needs of the poor and vulnerable first.

The Dignity of Work and the Rights of Workers

The economy must serve people, not the other way around. Work is more than a way to make a living; it is a form of continuing participation in God's creation. If the dignity of work is to be protected, then the basic rights of workers must be respected--the right to productive work, to decent and fair wages, to the organization and joining of unions, to private property, and to economic initiative.

Solidarity

We are one human family whatever our national, racial, ethnic, economic, and ideological differences. We are our brothers and sisters keepers, wherever they may be. Loving our neighbor has global dimensions in a shrinking world. At the core of the virtue of solidarity is the pursuit of justice and peace. Pope Paul VI taught that if you want peace, work for justice.¹ The Gospel calls us to be peacemakers. Our love for all our sisters and brothers demands that we promote peace in a world surrounded by violence and conflict.

Care for God's Creation

We show our respect for the Creator by our stewardship of creation. Care for the earth is not just an Earth Day slogan, it is a requirement of our faith. We are called to protect people and the planet, living our faith in relationship with all of God's creation. This environmental challenge has fundamental moral and ethical dimensions that cannot be ignored.

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Dear Parents of Sacred Heart Academy 7th – 12th graders,

We are pleased to present this booklet detailing the curriculum that is offered to our students at Sacred Heart Academy. Our goal is for all students to have a well-rounded education so that they are well prepared for college, a career, and life. No matter what vocation they may choose, we want them to look back and say that Sacred Heart Academy prepared them well for the future.

Our world is constantly changing and the opportunities for our students are many. It is no longer enough to memorize facts and dates; our students need to be strategic thinkers, who can apply concepts, design, connect, analyze, create, prove, and synthesize information. They learn about Catholicism so that they know where to turn in times of joy and sorrow. A faith and moral foundation will guide them throughout their life.

All students must master content in English, math, science, social studies, world languages, physical education and health, and visual, performing, or applied arts. They must have one online experience before they graduate.

Career-technical education courses are available at both Mt. Pleasant and Alma High Schools. Students may also take classes through Mid-Michigan Community College both on our campus and on their campus. Dual-enrollment courses may be taken at any Michigan college or university.

Our guidance counselor is available to meet with you and your child if you have questions about selecting classes for next year. Thank you for making Sacred Heart Academy your school of choice.

Yours Truly,

Mary Kay Yonker, Principal

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PART ONE

Academic Departmental Course Offerings

MID-MICHIGAN COMMUNITY COLLEGE DUAL ENROLLMENT

Sacred Heart Academy has entered into an agreement with Mid-Michigan Community College, which will allow for MMCC to offer courses on the SHA campus as well as their own campus located in Mount Pleasant that will fulfill both high school and college credits upon successful completion of the course. Students seeking to dual enroll at Mid-Michigan Community College, Central Michigan University, or any other institution in the state of Michigan must complete the required Application for Admission as well as the required form from Sacred Heart Academy. As a condition for admission, students must agree to records being held by each institution can be shared between both institutions (see dual enrollment on page for more information).

FALL 2015 COURSES OFFERED:

Introduction to General Psychology

PSY101

Location: Sacred Heart Academy

Course Description: This class introduces students to the scientific discipline of psychology. This course will include a comprehensive coverage of basic concepts and principles, terminology, important trends in psychological research, and the application of this research. Emphasis will be placed on contemporary perspectives of psychology, including biological, learning, cognitive, sociocultural, psychodynamic, and humanistic perspectives in understanding normal and abnormal behavior and mental processes.

College Biology

BIO101

Location: MMCC-Mount Pleasant

Course Description: Survey of major topics in biology, with emphasis on cell structure, physiology, reproduction, genetics, evolution, behavior, and morphology of plants and animals.

SPRING 2016 COURSES OFFERED:

Principles of Sociology

SOC101

Location: Sacred Heart Academy

Course Description: This course discusses the principles governing relationships among human beings & the organization of human societies. Its primary emphasis is on contemporary American society with integration of classical theories of sociology.

Introduction to Probability and Statistics

MAT212

Location: MMCC-Mount Pleasant

Course Description: Selected topics from probability, variable, data collection and summarization, distribution, hypothesis testing, regression, and correlation. This is an interest course for use in teaching, science, business, biology, sociology, psychology, economics and more.

ENGLISH DEPARTMENT

English Department Offerings:

CORE:

English 9
English 10
English 11
English 12

ELECTIVES:

Communications
Novels: Investigation of the Genre
Publications

English 9	09ENG	Course Description: Composition and the Novel-Freshman English is designed to continue the development of students' composition and communication skills. Areas of study include thematic units of diverse multicultural literature (that represents all genres), a Shakespearean play, and a novel. Listening, speaking, and writing skills are also stressed.
English 10	10ENG	Course Description: The Four Genres of Literature-Sophomore English is the study of classic and contemporary literature from around the world. Students will read theme-related short fiction, non-fiction, and poetry. Students will also study a novel and a play. Other activities include vocabulary building and the enhancement of grammatical skills and reading strategies. Oral and written communication skills are also stressed.
English 11	11ENG	Course Description: American Literature-Junior English explores American literature organized into thematically related units. Areas of study include vocabulary, grammar, literary elements, reading strategies, as well as speaking and listening skills. Students learn how to write various essays – from summary response to synthesis – and how to incorporate source materials into their own writing. Both an American novel and a play are studied.
English 12	12ENG	Course Description: This year long, research-based course for all seniors encapsulates the history of the western world in its literature from Greece 500 B.C. through the British literary tradition up to the present day. Through class lecture and discussion of the history, religions, philosophy and literature of the western world, students will find and analyze both primary and secondary sources in order to research and write a paper for six different historical periods. The culmination of the course will be the synthesis of these papers into a 25-30 page collegiate level research project on the history and literary traditions of the western world.
Communications Open to grades: 9, 10, 11, 12 Prerequisite: None	COMM	Course Description: In this one semester course students will explore the world of public speaking, including the writing and delivery of informative, persuasive, impromptu, and extemporaneous speeches as well as the research, writing, memorization and delivery of an oration. Students will also study speeches of oral interpretation: poetry readings, dramatic monologues, dramatic dialogue and multiple reading.

Novels: Investigation of the Genre
Open to grades: 9, 10, 11, 12
Prerequisites: None

NOVLS

Course Description: This class will center on the study of the novel in specific genres which may include fantasy, science fiction, realistic fiction, and biography. Students will take part in discussion groups and will also be responsible for keeping an extensive writing journal during this one semester class.

High School Publications
to grades: 10, 11, 12
Submission of an application/essay
instructor required

HSPUB

Course Description: This class is designed to produce **Open** multiple on-line and traditional forms of publications **Prerequisites:** including the SHA yearbook, the "From the Heart" **Permission of** publication, and the senior memory book. In addition, students will be introduced to a number of on-line publishing including creating personal web sites, Google docs, etc.

FINE ARTS DEPARTMENT

Fine Arts Department Offerings:

VISUAL ARTS

Art I
Ceramics and Culture
Design
Drawing and Painting
Wearable Art

PERFORMING ARTS

Choir
Performing Arts
Symphony Band

Art I Open to grades: 9, 10, 11, 12 Prerequisite: None	ARTI	Course Description: Students will “dabble in” a variety of media such as drawing painting, printmaking, ceramics, sculpture, and fibers. They will also be introduced to different art styles and cultures. The emphasis of this class is primarily exploration. Students will be introduced to artistic terms and vocabulary.
Ceramics and Culture Open to grades: 10, 11, 12 Prerequisite: Art I	CERCU	Course Description: How do the elements of art and principles of design apply to three dimensions? Ceramic, found objects, plaster and wood are just some moderns sculpture materials of that students will explore during this semester course. Students will develop techniques for figurative work, abstraction, non-objective, Pop Art and environmental installations.
Design Open to grades: 10, 11, 12 Prerequisite: Art I	DESI	Course Description: Students refine and enhance their design skills during this semester course with experiences in a variety of two-dimensional media. The principles of design will be explored through assignments that may include: printmaking, digital imaging, typography, collage, graphic design, and commercial art.
Drawing and Painting Open to grades: 10, 11, 12 Prerequisite: Art I	DAP	Course Description: Interested and motivated students will improve their drawing and painting skills in this semester course. A wide variety of drawing and painting media and related subjects will be explored. Students will develop critical, problem solving and art appreciation skills.
Wearable Art Open to grades: 10, 11, 12 Prerequisite: Art I	WART	Course Description: Discover the ancient crafts of textile making and decoration, including jewelry making with handmade beads, weaving, dying, printing and batik! Study of world cultures and crafts will be an important part of this semester class.
Choir Open to grades: 9, 10, 11, 12 Prerequisite: None	CHOR	Course Description: This elective course will give the students the basic skills to develop as great choral performers. Music history, ear training, vocal technique and study of choral and liturgical pieces of music are a few of the topics that will be covered during the semester. A public performance will be performed at the end of the semester. Enrolled students are required to participate.
Performing Arts Open to grades: 9, 10, 11, 12 Prerequisite: None	PERFARTS	Course Description: The primary objective of this course is to present a theatrical performance towards the end of the spring semester. In preparing for this performance, students will learn acting techniques, blocking strategies, and develop an understanding of stagecraft and lighting.

Symphony Band

truly **Open to grades: 9, 10, 11, 12**

Prerequisite: 3-4 years of experience on an instrument

HSBAND

Course Description: The symphony band is for students who want to excel on performing an instrument. This course will use band literature for rehearsal and performance. Students will be exposed to a more complex and challenging repertoire of music that demands attention to intonation, expression, and balance. This course requires student participation at ALL performances throughout the year, including performing with the SHA Pep Band.

MATHEMATICS DEPARTMENT

Math Department Flowchart

Recommended Course of Study

*Exceptions to these will be handled on an individual basis

Students who did not completed Algebra I in 8th grade

9 th Grade Algebra I	10 th Grade Geometry	11 th Grade Algebra II	12 th Grade PreCalculus or Financial Algebra
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Students who completed Algebra I in 8th grade (Placement/MAP Testing)

9 th Grade Geometry	10 th Grade Algebra II	11 th Grade PreCalculus	12 th Grade Calculus
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Mathematics Department Offerings:

Algebra I	PreCalculus
Geometry	Calculus
Algebra II	Financial Algebra

Algebra I
Open to grades: 8, 9
Prerequisite: 8th grade math
Placement Testing

ALGI

Course Description: Topics include an Introduction to Algebra, working with real numbers, solving equations, polynomials, and problem solving, factoring polynomials, fractions, linear equations, rational and irrational numbers and quadratic functions.

Geometry
Open to grades: 9, 10
Prerequisite: Algebra I

GEOM

Course Description: Students must have a graphing calculator (blue TI-83plus/TI-nspire). This is a one year course designed to help students appreciate the basic structure of geometry. Topics include points, lines, planes, angles, reasoning and proof, parallel and perpendicular lines, congruent triangles and relationships, proportions and similarity, right triangles and trigonometry, quadrilaterals, transformations, circles, areas of polygons and circles, surface area and volume.

Algebra II
Open to grades: 10, 11
Prerequisites: Algebra I
Geometry

ALGII

Course Description: Students must have a graphing calculator (TI-83plus or TI-84). This is a one year course which takes a function-based approach to the world of Algebra. Topics include real numbers, first-degree equations and inequalities, linear functions and inequalities in two variables, systems of equations and inequalities, polynomials and exponents, rational expressions, rational exponents and functions, quadratic equations and inequalities, functions and relations, exponential and logarithmic functions.

PreCalculus
Open to grades: 11, 12
Prerequisites: Algebra I
Geometry
Algebra II

PRECALC

Course Description: Students must have a graphing calculator (TI-83plus or TI-84). This is a one year course covering both trigonometric concepts as well as advanced topics in mathematics. This course will prepare students to take a calculus course the following year. Topics include exponential and logarithmic functions, trigonometric functions and identities, solutions of general triangles, inverse trigonometric functions and equations, sequences, series and matrices.

Calculus
Open to grade: 12
Prerequisites: Algebra I
Geometry
Algebra II
PreCalculus

CALC

Course Description: Students must have a graphing calculator (TI-83plus or TI-84). This class is designed to cover a semester and a half of a typical college calculus curriculum. Topics include limits, derivatives, and integrals of every family of functions.

Financial Algebra
Open to grades: 11, 12
Prerequisites: Algebra I

FINALG

Course Description: This course features six financial umbrellas: investing, banking, credit, income taxes, insurance and household budgeting. It reviews and strengthens your algebraic mechanics and problem solving skills while at the same time teaches selected advanced mathematics topics.

PHYSICAL EDUCATION DEPARTMENT

Physical Education Department Offerings:

**High School Physical Education
Advanced PE/Strength Training
Health Education**

High School Physical Education

HSPE

Course Description: A one semester course stressing lifelong individual and team sporting activities. Emphasis will be placed on physical fitness, teamwork, sportsmanship, fundamentals and rules of the game.

Advanced PE/Strength Training

Open to grades: 10, 11, 12

Prerequisite: HS PE

ADVPE

Course Description: A one-semester course designed to help students develop and administer sound, state-of-the-art training programs. Students will learn how to achieve maximal physical performance using modern researched and training techniques. Topics include the health benefits of weight training, sports nutrition, basic muscle physiology, weight control, building speed and power through plyometric and speed exercises, along with body-building techniques.

Health Education

Open to grades: 9, 10, 11, 12

Prerequisite: None

HEAL

Course Description: A one-semester course used to help students appreciate the value of physical, mental, and social health and acquire knowledge to achieve and maintain wellness. There is a possibility to test out of this course.

RELIGION DEPARTMENT

Religion Department Offerings:

**Salvation History
Church History
Religious Traditions
Hebrew Scriptures**

**Moral Teachings
Gospel Studies
Death and Dying**

**Salvation History
Open to grade: 9**

SALHIS

Course Description: We will examine how mankind's understanding of God has changed throughout the Jewish and Christian experiences. Through our explanation, it becomes clear that all of existence is centered around and leads to God's revelation of Himself through the Incarnation. In this course, we will address numerous topics under the umbrella of Salvation History such as Theodicy, Original Sin, Free Will, Natural Law and God's Law, Divine Providence, and the Sacraments and their effects. These and other topics will be applied to help us better understand the Paschal Mystery.

**Church History
Open to grade: 10**

CHHIST

Course Description: This semester course traces the history of the Christian movement and philosophy, and its influence on Western society.

**Religious Traditions of the East and Middle East
Open to grade: 10**

RELTR

Course Description: This semester course examines the beliefs, practices, and historical and social impact of the major non-Christian religions.

**Hebrew Scriptures
Open to grade: 11**

HEBSC

Course Description: This one semester course examines the literature of the Old Testament in the light of the findings of historians, anthropologists and archaeologists. Supplemental: Videos of the Patriarchs and Kings, plus the Archaeology of Palestine.

**Moral Teachings
Open to grade: 11**

MORT

Course Description: In this class we study human behavior in the light of the teachings of the Catholic Church. Behavior extends from what we do as individuals to our obligations toward Society as a whole. Some of the major topics studied are: the Theological and Moral virtues, conscience and life issues (abortion, euthanasia, just war theory, etc.). Students are required to learn what each of the traditional Ten Commandments requires of us as well as specific sins against each. Our text is Growing in Christian Morality by Ahlers, Allaire and Koch. Students read short stories and view films that deal with issues of personal and social morality.

Gospel Studies
Open to grade: 12

GOSP

Course Description: This semester course concentrates on each of the canonical gospels. We will study each gospel in depth for its individual themes, message, historical purpose, and literary value. We will also use a comparative method (with respect to the synoptic problem) to reveal both the purpose and history behind each of the gospels.

**Death & Dying: Philosophical,
Psychological and Religious Dimensions**
Open to grade: 12

DAD

Course Description: This semester course treats the reality and inevitability of death and dying with its physical, philosophical, psychological, and religious implications.

SCIENCE DEPARTMENT

Science Department Offerings:

Life Sciences

Biology
Anatomy & Physiology
Zoology

Physical Sciences

Chemistry
Advanced Chemistry
Physics
Physical Science
Forensic Science

LIFE SCIENCES

Biology

Open to grades: 9, 10
Prerequisite: None

BIO

Course Description: This one-year laboratory course investigates five major biological themes including cellular biology, genetics, evolution, biochemistry, and ecology. The course also incorporates the tools of proper experimental design and other real-world applications that all biologists use today.

Anatomy & Physiology

Open to grades: 11, 12
Prerequisites: Biology and Chemistry

ANAM

Course Description: This rigorous college-preparatory elective science course includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function, and the interrelationships between body systems are a focus throughout the course. This course is recommended for students interested in a health-related career, especially those students who plan to study medicine, nursing, physical therapy, and athletic training. The course may also be helpful for those students who plan to enter education as either a life-science or physical education teacher. Laboratory activities will include several microscopic analyses of tissue specimens as well as several dissections to accompany the subject matter.

Zoology

Open to grades: 11, 12
Prerequisite: Biology

ZOO

Course Description: This semester course provides a survey of invertebrates and vertebrates, as well as animal taxonomy. The focus of this course will include classification, anatomy and physiology of worms, echinoderms, mollusks and arthropods with the dissection of the earthworm, clam, starfish, grasshopper, and crayfish. This course also includes the anatomy and physiology of fishes, amphibians, reptiles, birds, and mammals with the dissection of the frog, perch and rat. Dissections are REQUIRED.

PHYSICAL SCIENCES

Chemistry
Open to grades: 10, 11, 12

CHEM

Course Description: This is a one year course designed to help students interpret everyday events in terms of chemical concepts and principles, and to prepare them for college work in science and related fields.

Advanced Chemistry
Open to grades: 11, 12
Prerequisite: Chemistry

ADVCH

Course Description: Students will explore the areas of chemical bonding, equilibrium, analytical problem solving, organic chemistry, and biochemistry.

Physics
Open to grades 10, 11, 12

PHYS

Course Description: This course studies the basic scientific laws that can be applied to all of the sciences. In the course, we try to build a solid foundation in mechanics and then apply that foundation to each of the principle areas of physics.

Physical Science
Open to grades: 9, 10, 11, 12

PHYSI

Course Description: Physical science is a one-year course centered on matter, forces, and energy forms such as heat, light, and electromagnetism. The first semester covers the properties of matter and the chemistry of matter, with a special focus on the periodic table of elements. The second semester focuses on motion, forces, and energy. Students will complete a research project to develop inquiry skills.

Forensic Science
Open to grades: 11, 12
Prerequisites: Biology and Chemistry

FORSCI

Course Description: Forensic Science is a two semester class. Each semester is independent and students have the option of taking one or both semesters. Students must have successfully completed biology and chemistry. The class is designed around authentic performance assessments with students working in teams to solve crimes using scientific knowledge and reasoning. It involves all areas of science including biology, anatomy, chemistry, physics, and earth science with an emphasis in complex reasoning and critical thinking. In addition, students must incorporate the use of technology, communication skills, language arts, art, mathematics and social studies.

SOCIAL STUDIES DEPARTMENT

Social Studies Department Offerings:

CORE

U.S. History
Government
Economics
World History

ELECTIVES

Global Issues/Current Events
Model UN

United States History
Open to grade: 9

USHIST

Course Description: This ninth grade social studies course examines the history of the U.S. from the industrial age to the present day. The course divides the twentieth century chronologically into eras. Within their historical study of the twentieth century America, students deepen their understanding of major geographical themes and basic economic concepts, and study the significant changes in American government.

Government
Open to grade: 10

GOVT

Course Description: This one semester tenth grade course introduces students to the structure of American government. It also examines the role of the political process, issues, and public policy. It encourages students to make informed choices about governing their communities. Knowledge of government enables students to understand the role of citizens in a representative democracy. In addition, students learn about and compare other forms of government.

Economics
Open to grade: 10

ECON

Course Description: This one semester tenth grade social studies course introduces the study of economics. The overarching problem of scarcity, unlimited wants pursuing limited resources, is a focal point of the course. Students deepen their understanding of basic economic concepts and apply them to national and international problems. In addition to their study of macro-economics, students study personal finance and business in a free market economy. They learn about the banking system, stock market, taxation, productivity, marketing, and advertising. Using a variety of media, they compile, analyze, and present statistical data pertinent to economic problems. Students use their economic knowledge to make informed decisions as consumers and to participate as citizens in deciding matters of economic policy.

World History
Open to grade: 11

WHIST

Course Description: This course for juniors explores major eras and issues that have shaped the modern world. Students study ancient civilizations such as Mesopotamia and Egypt, the classical civilizations of Greece and Rome, Christian Europe during the medieval period, and the rise of Islam. In addition, students explore the early modern period of European Exploration, the Renaissance, Reformation, and Industrial Revolution with emphasis on how issues and events from those eras have affected the modern world. The course concludes with an examination of the twentieth century including imperialism, the world wars, holocaust, cold war, and the age of terrorism.

Global Issues/Current Events
Open to grades: 9, 10, 11, 12
Prerequisite: None

GICE

Course Description: This course engages students in the study of global issues confronting nations of the world. A global issue is an unresolved question of policy that is international in scope. Although these issues might arise in a particular nation or region, they are considered global because they have worldwide implications. Students examine the historical origins of each issue they study, consider its geographic context, and explore its political and economic dimensions. As a result of this course, students come to realize they are members of a global community with shared interests in shaping the quality of life for the future of the world.

Model UN
Open to grades: 9, 10, 11, 12
Prerequisite: None

MUN

Course Description: Model UN is a one semester elective in the Social Studies Department. It is commonly defined as “an academic simulation of the United Nations that aims to educate participants about current events, topics in international relations, diplomacy, and the United Nations agenda.” The course is designed to prepare students to participate, as delegates, in three meets sponsored by the Mid-State Activities Conference. Students will learn about the geography, history, politics, economy, and culture of their adopted country and seek to confront the global issues facing their country and the world. Students write resolutions and seek to get them passed in the General Assembly held at the RESD in Ithaca. Students will learn skills in research, writing, public speaking, and competing for championships.

TECHNOLOGY DEPARTMENT

Technology Department Offerings:
Technology II

Technology II
Open to grades: 9, 10, 11, 12
Prerequisite: None

TECHII

Course Description: This semester course will be used to fulfill the Michigan Merit Curriculum High School Graduation requirement of an online learning experience beginning with the class of 2017. Students will review and enhance their knowledge of Microsoft Office programs. There will be an increased focus on Internet software, including the chance to utilize free web based programs (Prezi, Google Docs, etc.). Other aspects of this course will include creating cover letters, resumes, and job applications. Students will engage in proper online research, evaluate web resources, and learn proper documentation of technological sources. Students who do not complete this course must receive approval from the academic advisor as to their alternate means of fulfilling the 20 hour or an online experience graduation requirement.

WORLD LANGUAGE DEPARTMENT

World Language Department Offerings:

**Spanish I
Spanish II
Spanish III
Spanish IV
French I**

Spanish I
Open to grades: 8, 9, 10, 11, 12
Prerequisite: Counselor Approval (8th Grade)

SPANI

Course Description: This class is designed to give students the opportunity to attain an acceptable level of proficiency in the four world language skill areas of listening, speaking, reading, and writing. Spanish I includes the thematic study of vocabulary for school life, diversions, foods, clothing, travel, and family, as well as the relevant grammatical concepts of the present, progressive, near future, and basic past verb tenses. Presented in a communicative and cultural context, this course will focus on purposeful activities, active participation, and the meaningful use of Spanish at the introductory level. Approval of the academic advisor is required to enroll in this course.

Spanish II
Open to grades: 9, 10, 11, 12
Prerequisite: Spanish I

SPANII

Course Description: In this intermediate Spanish course, designed to follow and complement Spanish I, students will advance their communicative proficiency in the areas of listening, speaking, reading and writing within a culturally relevant context. The vocabulary topics include hobbies, travel, illness, entertainment, and the world around us. By the end of the second year, students will have a strong grasp of most verb tenses and other grammatical concepts necessary for effective communication.

Spanish III
Open to grades: 10, 11, 12
Prerequisites: Spanish I and Spanish II

SPANIII

Course Description: In Spanish III, students will be able to carry out all functions of Spanish I and II, as well as advance their communicative skills and knowledge of grammatical, cultural, and content vocabulary concepts. Emphasis is on communication and self-expression of external events of the past, present, and future. Besides the prerequisite of a B grade or better in Spanish II, students must be willing to immerse themselves in the language and attempt to use it at all times in the classroom. Spanish III may be scheduled concurrently with Spanish IV.

Spanish IV**Open to grades: 11, 12****Prerequisite: Spanish I, Spanish II, Spanish III****SPANIV**

Course Description: In Spanish IV, students will continue to carry out all functions of Spanish I-III, and use the language to communicate ideas and facts. They will advance their abilities in the areas of reading and writing. They will work on perfecting their skills in the areas of grammar and self-expression and be able to communicate in past, present, future, conditional tenses, as well as subjunctive moods. Students will focus on the history, geography, and culture of Spain and the origins of the Spanish language. They will spend time reading selections of Spanish literature and writing their own compositions. They will also spend most of the class speaking and listening to the Spanish language. Students in levels 4 and 5 will have progressively more detailed and lengthy writing, reading, and grammar studies.

French I**Open to grades: 8, 9, 10, 11, 12****Prerequisite: Counselor Approval (8th Grade)****FRENI**

Course Description: This course may be offered pending the number of SHA students enrolled and the availability of a MPHS foreign language teacher. This course is designed to introduce beginning students to the fundamentals of the French language by developing communication skills in listening, speaking, reading, and writing. In addition, the unique cultures of French-speaking areas of the world are explored.

MOUNT PLEASANT HIGH SCHOOL ADVANCED PLACEMENT COURSES

Sacred Heart Academy students are able to enroll in any Advanced Placement courses that are offered by Mount Pleasant High School. Students must meet the required prerequisites, provide their own transportation, and have the appropriate space available in their schedule. Students are also responsible for the AP exam payment. Mount Pleasant High School currently offers the following AP courses:

- American Government and Politics
- Biology
- Calculus A/B
- Chemistry
- English Literature and Composition
- Macroeconomics
- U.S. History

GRATIOT-ISABELLA TECHNICAL EDUCATION CENTER COURSES

Students in grades 11 and 12 have the opportunity to enroll in classes at the Mt. Pleasant Area Technical Center. Classes must be scheduled in a block format for SHA periods 1-2 or 6-7. Classes in Alma will Students must provide their own transportation to and from the school. The only cost would be for a Mt. Pleasant High School parking pass and any fees associated with field trips.

GI-TECH Courses

BUSINESS

Accounting
Business Management
Digital Media
Marketing

FAMILY & CONSUMER SCIENCE

Cosmetology
Culinary
Educational Careers
Health Careers

TRADE & INDUSTRY

Agriscience
Auto-Technology
Construction Trades
Electronics/Computer Repair
and Programming
Graphics/Printing Technology
Interior Design
Machine Trades
Mechanical Drafting
Mechatronics
Radio/TV Broadcasting
Technology
Small Engines Technology
Welding

BUSINESS

Accounting

ACCT

Course Description: *Fulfills the following graduation requirement(s): Senior year math credit; 20 hours of online learning experience. Accounting is a career-oriented course designed for students who plan to enter any area of business after graduation or attend college. This curriculum is project based with an emphasis on problem-solving. Topics covered include the accounting cycles of service organizations and merchandisers focusing on the recording of business transactions and the preparation of financial statements. Advanced topics include corporate accounting, managerial accounting, cost accounting, tax accounting, and auditing. Students participate in a number of team building activities, such as auditing and simulating real work experience. Completion of this course will prepare students for job entry and/or articulated course credits at several Michigan colleges.

Business Management**BUSM**

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit; Visual, performing, and applied arts credit; 20 hours of online learning experience. Business Management and Administration (BMA) is an advanced level business course that focuses on the opportunities and challenges of managing a business in the free enterprise system. This curriculum is project based with an emphasis on teamwork, problem-solving and communications. BMA will also focus on management theory, human resource management and behavior, finance, purchasing, logistics, and production. A team of students creates a student company. The student company allows team members to become shareholders, gain leadership skills, become project managers, and to share in risk-taking, decision-making, problem solving, accounting, production, human resources, marketing, and other experiences that take place in operating a successful business. A career in BMA encompasses planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Opportunities to participate in service projects will be emphasized. Completion of this course will prepare students for job entry and/or articulated course credits at several Michigan colleges.

Digital Media**DIGI**

Course Description: *Fulfills the following graduation requirement (s): Visual, performing, and applied arts credit; 20 hours of online learning experience. The Digital Media/Web Productions program is taught using a “hands-on” project-based approach to the world of information technology for business applications and multimedia design (2D, 3D, animation, motion graphics, video production and web site design and development will be explored). The program provides comprehensive skills in the design and use of information technology and prepares for successful completion of the Strata IT Certification Exam. Industry standard software such as: Adobe Photoshop, Flash, Fireworks, Dreamweaver, Premiere, Soundbooth, After Effects, etc. will be used to complete real-world projects.

Marketing**MARK**

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit; Visual, performing, and applied arts credit; 20 hours of online learning experience. In the Marketing program, students develop practical skills that can be applied to a broad variety of businesses. Class projects require students to apply marketing concepts such as product design, distribution, purchasing, merchandising, logistics, market research, pricing, quality service, advertising, and promotion. A hands-on approach is utilized as students operate “The School Store” and organize special events. Students are challenged to act as organizational business leaders, taking on supervisory and management roles.

FAMILY & CONSUMER SCIENCE

Cosmetology

COSM

Course Description: *Fulfills the following graduation requirement: Visual, Performing and Applied Arts. The Cosmetology program provides high school students with the training, classroom knowledge and hands-on experience in styling, cutting, chemical treatments, facial treatment, application of cosmetics and nail care and design. Science concepts including human anatomy, physiology, histology, and bacteriology are covered and heavily relied upon throughout the course. This course prepares students to take the State of Michigan Board of Cosmetology exam. Students begin this two-year program with the completion of a ten-week summer session after their sophomore year. The first year program continues during the school year for three hours per day. The second summer will be from six to ten weeks with three hours per day required during the second school year until program completion. Students also have the option to start the summer after their junior year and finish the program as an MJ Murphy student after graduating from high school. Students become eligible to work with patrons in the beauty college after satisfactory completion of 500 clock hours. In order to be licensed by the State, the student must complete 1500 clock attendance hours. At the time of completion, the student will be eligible to take the State Board Examination. This course is taught at the MJ Murphy Beauty College in Mt. Pleasant.

Culinary Arts

CULN

Course Description: *Fulfills the following graduation requirement: Visual, Performing, and Applied Arts. The Culinary Arts program offers students a hands-on experience in the food service industry. Students are taught the key components in food preparation and restaurant management. The students will participate in menu planning, food inventory (ordering and stock rotation) and safe food preparation. Students also learn basic preparation of a variety of ethnic food styles. Real world experience is gained by working in an on-campus, full-service restaurant. Culinary students are responsible for customer service, dining room and business management. This course prepares students for entry-level employment or a college degree focused on food design, preparation and restaurant management.

Educational Careers

EDUCAR

Course Description: *Fulfills the following graduation requirement(s): Visual, performing, and applied arts credit; 20 hour online learning experience. The Educational Careers course provides students an understanding of teaching as a career. Each student will have an opportunity to observe a teacher and learn teaching skills in a real world setting. Students will be placed in their home communities with an assigned mentor teacher. Through classroom activities, students will also become more aware of current trends relating to children, families, and the work place. Students must have good attendance and be able to pass a background check.

Health Careers

HCARE

Course Description: *Fulfills the following graduation

requirement (s): Senior year math credit and 20 hour online learning experience. The Health Careers program offers students the opportunity to acquire knowledge and skills that are applicable to many health careers. This a two-year program for juniors and seniors. As a junior, students will complete core curriculum related to the Health Science Program. Topics include, but are not limited to, Medical Terminology, Medical Math, Anatomy and Physiology, Health Facility Safety, CPR and First Aid training. Students will also explore different Health Careers and participate in work-based learning experiences. Seniors select a curriculum path focused on becoming a CENA or another health-related career. Students will learn the skills and knowledge base associated with their chosen path. Hands-on clinical experience will be completed by each student. There is an opportunity for seniors to participate in an accelerated one-year course. At the end of the year, CENA students will have the opportunity to become State Certified. Students in this program must be able to pass a background check.

TRADE & INDUSTRY SCIENCE

Agriscience

AGRSCI

Course Description: *Fulfills the following graduation requirement: Senior year math. Agriscience prepares students for a wide variety of careers in agriculture and animal science. Specific areas of study include Plant/Soil Science, Veterinary Science, Agricultural Business Management, Farm Mechanics, Leadership in Agriculture, and Greenhouse/Landscape Management. Class work is supplemented by hands-on experience in on-site laboratories and greenhouses as well as field trips to area farms and businesses.

Auto Technology

AUTO

Course Description: The Auto program follows the curriculum defined by the National Automotive Technician's Education Foundation (NATEF). The following areas are covered in the two-year program (two areas per year): Steering and Suspension and Electrical (2014-2015) Brakes and Electrical (2015-2016). The steering and suspension portion of the curriculum covers steering systems. Skill development will focus on steering, suspension, and four wheel alignment. Skill development in the brakes segment area will focus on drum, disc, hydraulic, power assist, and anti-lock brake systems. In the electrical component of the program, students will learn fundamentals and applications in automotive electrical, electronics, voltage, current, resistance, series and parallel circuits, magnetism, application of Ohm's Law, and wiring diagrams. Lighting systems, instruments, warning devices, horn, and other accessory circuits using wiring diagrams are covered, as well as skills in diagnosis, adjustment and repair of accessory and convenience circuits. The service area lab, used by the students, is equipped with up-to-date tools and equipment. This lab provides a real world setting where students practice technical skills used in an automotive repair facility.

Construction Trades

CONST

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit and Visual,

Performing and Applied Arts. The Construction Trades course provides students a hands-on experience in the residential construction field. It will focus on the following areas: safety, tool use, methods of construction, foundation layout, wall and floor framing, roofing, stair construction, insulation, drywall, trim work, siding, door and window installation, shingling, and deck building. This class will address codes and inspections, blueprint reading, masonry, and other areas of construction. The hands-on building of the Mt. Pleasant Area Technical Center school house project gives students the skills to become employable in the construction field and/or continue in post-secondary education.

Electronics and Computer Repair and Programming

ELEC

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit; Visual, performing, and applied arts credit; 20 hour online learning experience. Electronics' students learn system installation, maintenance, operation and repair of car stereos, computers, industrial robots, electronics and test equipment. Students practice circuit construction, residential wiring, computer hardware, troubleshooting, and system design in an industrial lab. Standard equipment repair includes electric guitars, amplifiers, gaming consoles, music devices, power tools, headphones, appliances. Additional complex equipment, such as, amplifier repair, robotics, computer interfacing, customization, digital and linear circuits, and industrial controls are also explored. The career focus of this course is preparation for an entry-level electronics technician and for post-secondary education. Advanced students serve as project leaders for group projects.

Graphics/Printing Technology

GRAPH

Course Description: *Fulfills the following graduation requirement (s): Visual, performing, and applied arts credit; 20 hour online learning experience. This Graphics program is a dynamic opportunity to study the various methods of reproducing images by printing, duplicating, screen printing, and photography. This includes computer copy preparation encompassing the use of desktop publishing software, scanners and laser printers, laser engraving, bindery, and the operation of various color offset presses. This course is designed for students who have a career interest in graphic arts, brochure design, printing fields, commercial design, advertising layout, and packaging design. Skills in customer service, estimation, and production are developed in the student-run printing lab.

Interior Design

INTDES

Course Description: *Fulfills the following graduation requirement (s): Senior year math, Visual, performing, and applied arts credit; 20 hour online learning experience. The

Interior Design program is a creative outlet for students interested in all aspects of design. Students demonstrate creativity in many types of design projects such as hotels, restaurants studio apartments, kitchens, beach houses, living rooms, and nursery schools. Students develop skills in drafting, presentation techniques, barrier free design, specifications and material selection. Students apply the skills learned in the classroom with hands-on experience in a real world setting. Painting, hanging wallpaper and ceramic tiling are a few of the entry level skills students will master preparing them to work in various aspects of a career in interior design. Students prepare portfolios showcasing their design strengths and abilities.

Machine Trades

MACH

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit; Visual, performing, and applied arts credit. Machine Trades’ students learn safety, manufacturing skills, and good work habits as they relate to the machine trades industry. Metal working theory and a variety of hand tools will be covered. Students will learn to operate engine lathes, vertical milling machines, drill presses, saws, and surface grinders. Other areas covered will be print reading, layout, measurement, math applications, and basic computer aided machining (CAM). Projects are designed to develop skills needed in the machine trades industry. Advanced students learn manufacturing processes, print reading, Geometric Dimensioning and Tolerance (GD&T), precision measurement, set ups, electrical discharge machine operations, tool and cutter grinding, maintenance of computer aided machining (CAM), computer-aided design (CAD), lock out/tag out, jig and fixture building, basic working of a die, and plastic mold building.

Technical Drafting

TECHD

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit; Visual, performing, and applied arts credit. In Mechanical Drafting students will create plans that visually communicate how something functions or is to be constructed. This course utilizes visual problem solving and project planning for product development and other mechanical projects such as reverse engineering, product improvement, and mechanical assemblies. This course gives entry level job skills and preparation for a career in Engineering or the manufacturing industry.

Mechatronics

MECHA

Course Description: *Fulfills the following graduation requirement: Senior year math credit (waiting for approval). Mechatronics is a combination of Design Software (CAD), Electronics, Electricity, Robotics, Pneumatics, and Machining. Students will complete hands-on projects to learn automated manufacturing processes and prepare for various industrial careers and post-secondary options. This STEM (Science, Technology, Engineering, Mathematics) program will give students an introduction to manufacturing and the opportunity to design, develop, build, and test devices.

Radio/TV Broadcasting Technology

BROAD

Course Description: *Fulfills the following graduation requirement(s): Visual, performing, and applied arts credit. The Radio/TV Broadcasting course introduces students to the

many aspects of Radio and Television Production. The class focuses on equipment operation, studio procedures, lighting, audio, digital editing, special effects, and pictorial composition. Student projects include newscasts, commercials, public service announcements, interviews, variety shows and dramatic presentations. Students are encouraged to develop their own ideas as well as work on team projects.

Small Engines Technology

SMENG

Course Description: *Fulfills the following graduation requirement(s): Senior year math credit. In the Small Engines course, students learn to repair small engines and train for entry level employment in the field. Students learn to repair two-stroke and four-stroke engines, including ignition, carburetor, and exhaust systems. In addition, this class explores two and four-cycle high performance modifications. Students build team-working skills by collaborating on projects and develop troubleshooting techniques and excellent customer service.

Welding

WELD

Course Description: *Fulfills the following graduation requirement (s): Senior year math credit and Visual, performing, and applied arts. This Welding class is designed for the student who has a genuine interest in learning welding for their future occupation. Many areas of welding, including oxyacetylene, electric arc, mig, and tig, manual and automatic flame cutting is taught. This program provides students with hands on experience in a real world lab. Students learn the fundamentals of welding theory, use of related hand tools and equipment and perform a variety of welding techniques. Class projects include fabrication and repair work. Welding students are involved in layout, inspection, measurement and design.

JUNIOR HIGH COURSE OFFERINGS

CORE

English 7
English 8
Math 7
Math 8
Algebra I
Science 7
Science 8
Global Studies
US History 8
Religion 7
Religion 8

ELECTIVES

Technology I
Study Skills
Junior High Physical Education
Healthy Living
Advanced Science and Math
Creative Writing
Publications
Choir
Concert Band
Art 7
Art 8
Spanish I
French I

English 7

ENG7

Course Description: This class will address the basic parts of speech, sentence structure, building an increased vocabulary, and the overall mechanics of the English language. Students will be asked to incorporate these skills through a variety of writing styles and verbal communication based on theme-related units from their literature book. Literary efforts will focus on comprehension and critical thinking. As a class, students will also study at least one class novel, a play, create a 3-dimensional project based on a novel, and “publish” a poem, short story, or a storybook. Listening comprehension will also be stressed throughout the year.

English 8

ENG8

Course Description: This class will review the basic parts of speech, sentence structure, and the overall mechanics vocabulary will continue. Students will be asked to apply these skills through a variety of writing styles and verbal communication, which will be based on theme-related units from their literature book in order to develop practical approaches to organization and style. An emphasis will be placed on learning what makes an accomplished essay. All literary elements will focus on critical thinking skills. As a class, students will also study a class novel, play, and “publish” a poem, short story, or research paper.

Math 7

MATH7

Course Description: This program reflects the increased expectation of what students should know and be able to do by introducing algebra early and offering test preparation at the lesson and chapter levels. We will reinforce the basic skills involving whole numbers, fractions, decimals, percentages, and introduce new skills and concepts to aid in the transition to advanced mathematics. With the help of the Singapore Math Program, students will be challenged to learn and practice new and complex algebraic and geometric concepts.

Math 8	MATH8	Course Description: This course consolidates the arithmetic of the previous grades and at the same time prepares students for algebra and geometry. Topics covered include decimal notation, measurement, use of variables, solving word problems, solving equations and the use of formulas.
Algebra I Open to grade: 7 Prerequisite: Placement Testing	ALGI	Course Description: Topics include an Introduction to Algebra, working with real numbers, solving equations, polynomials, and problem solving, factoring polynomials, fractions, linear equations, rational and irrational numbers, and quadratic functions.
Science 7	SCI7	Course Description: Seventh grade science consists of the life sciences concentrating on interactions of organisms, the energy flow in nature, classification, and successions in ecosystems. Plants and seed dispersal methods are covered. The physical science portion deals with energy, forces, motion, and machines. Units on sounds and light are also explored.
Science 8	SCI8	Course Description: Earth Science is a two-semester course covering a variety of topics related to Earth systems. Topics covered include: weather and climates, geologic time, rocks and minerals, plate tectonics, the Earth's resources, and astronomy. Our reliance on non-renewable energy resources and the importance of alternative fuels will be stressed in the unit covering Earth's resources.
Global Studies	GS07	Course Description: The seventh grade social studies course introduces students to cultures of the Eastern hemisphere, with emphasis on the contemporary geography of Africa, Asia, Europe, the Middle East, and Oceania. Through the study of geography, students learn locations of significant places in each of these world regions, explore cultural and natural features that characterize each region, trace movement of people, ideas, and products within the regions, and discover ways that regions can be divided into sub-regions. Historical background is provided to enable students to understand how a region developed from the past to the present. Differences in governments and economies are examined. Students examine public issues of global significance in these regions.

United States History 8

USHIST8

Course Description: This eighth grade social studies course introduces students to the history of the United States from the writing of the constitution through Reconstruction. The course is divided chronologically into eras where students place major events on a timeline and analyze their cause and effects. They deepen their understanding of major geographic themes and basic economic concepts. They also build their understanding of American government from in-depth study of the U.S. Constitution and the evolution of the government it created during its first century. A review of America's history from its beginning is included to help students appreciate the need for the constitution.

Religion 7

REL07

Course Description: This course uses the text, Catholic Connections, to introduce Catholic young adolescents to Jesus Christ in a new way and inspires them to follow Him. Fostering the faith of young adolescents involves helping them to make connections between the Catholic faith and everyday life. It also means helping young people to strengthen their connection to the faith community. Catholic Connections aims to strengthen the participants' Catholic identity and inspire them to participate more fully in the Church's mission.

Religion 8

REL08

Course Description: This course takes students through the methods and teachings of Jesus including Parables, Prayer, The Kingdom of God, and his miraculous signs. With Christ as our foundation, we will then examine the history of the first century church through Acts and the letters of Paul.

**Technology I
Open to grade: 7**

TECHI

Course Description: In this semester course, students will learn to keyboard correctly and build keying skills. They will gain basic proficiency in Microsoft Office programs (Word, PowerPoint, Excel, Publisher, etc.) Students will be required to give presentations utilizing their technology projects.

**Study Skills
Open to grades: 7, 8**

STSKI

Course Description: This course is designed to aid junior high students who need extra assistance in their organization and who have shown the need for additional support regarding their study habits. Students have the opportunity to learn about their personal learning styles and how to translate that into efficient ways to prepare for class. Topics styles of note-taking techniques, study strategies, organizational strategies and support is available to students who struggle in particular subjects to get assistance. Course can be taken for a semester or a whole year.

<p>Junior High Physical Education Open to grades: 7, 8</p>	<p>JHPE</p>	<p>Course Description: During physical education class, students will gain knowledge and skills that will better enable participation in individual and team sports. Students will learn the importance of physical fitness for life and be able to apply sportsmanship in sports and recreational activities. Course can be taken for a semester or a whole year.</p>
<p>Healthy Living Open to grades: 7, 8</p>	<p>HELI</p>	<p>Course Description: This semester long class will put an emphasis on proper athletic themes such as nutrition, weight training, and conditioning. This includes addressing many of the misconceptions that are prevalent today about dieting and training. The psychology behind being a successful athlete and team member will also be covered in depth.</p>
<p>Advanced Science and Math Open to grades: 7, 8 Prerequisite: Student must be signed up for Science Olympiad</p>	<p>ADVSM</p>	<p>Course Description: This course is for motivated students who want an extra challenge in science and math. Many experiments and activities will be part of this course.</p>
<p>Creative Writing Open to grades: 7, 8</p>	<p>CWRI</p>	<p>Course Description: Students will have a great time expressing themselves creatively through a variety of literary ways. Not only will they have fun exploring their imagination through picture books, poetry, skits, demonstrations and fun writing pieces, students will also improve their writing skills. The semester class will focus on the following main topics: narratives, voice, nonfiction, fiction and poetry.</p>
<p>Junior High Publications Open to grades: 7, 8</p>	<p>JHPUB</p>	<p>Course Description: Students in this class will be responsible for developing the middle school pages in the SHA yearbook. The course is designed to teach the students about topics such as gathering data, photography, layout, design, journalism and editing. In addition to the yearbook, students may also have an opportunity to work on creating and distributing school publications. This is a semester course with a limited number of seats available.</p>
<p>Junior High Choir Open to grades: 7, 8</p>	<p>JHCHOR</p>	<p>Course Description: This elective course will give the students the basic skills to develop as great choral performers. Music history, ear training, vocal technique and study of choral and liturgical pieces of music are a few of the topics that will be covered during the semester. A public performance will be performed at the end of the semester. Enrolled students are required to participate.</p>
<p>Concert Band Open to grades: 7, 8 Prerequisite: Two years of experience on an instrument</p>	<p>JHBAND</p>	<p>Course Description: After the beginning bands, students have the opportunity to continue band to the next level of proficiency. The concert band will perform a varied repertoire of band literature aimed to improve tone, technique, intonation, and expression. The ensemble will use the Essential Elements 2000 Book II to supplement technique and music theory knowledge. This course requires student participation at ALL performances throughout the year.</p>

Art 7
Open to grade: 7

ART07

Course Description: The student will experiment with a variety of materials and processes creating art that follows a historical timeline, beginning with Prehistoric art and ending with the 16th century, known as the Renaissance. It is a very hands-on semester class with a lot of different techniques for students to explore and enjoy.

Art 8
Open to grade: 8

ART08

Course Description: This class continues the historical timeline introduced in 7th grade. Students will be creating art which reflects the ideas and concerns from the 17th century up to the present day. Students will have the opportunity to build on skills and knowledge gathered from their 7th grade art class, but 7th grade art is not a necessary prerequisite for this semester course.

Spanish I
Open to grade: 8
Prerequisite: Counselor Approval

SPANI

Course Description: This class is designed to give students the opportunity to attain an acceptable level of proficiency in the four world language skill areas of listening, speaking, reading, and writing. Spanish I includes the thematic study of vocabulary for school life, diversions, foods, clothing, travel, and family, as well as the relevant grammatical concepts of the present, progressive, near future, and basic past verb tenses. Presented in a communicative and cultural context, this course will focus on purposeful activities, active participation, and the meaningful use of Spanish at the introductory level. Approval of the academic advisor is required to enroll in this course.

French I
Open to grade: 8
Prerequisite: Counselor Approval

FRENI

Course Description: This course may be offered pending the number of SHA students enrolled and the availability of a MPHS foreign language teacher. This course is designed to introduce beginning students to the fundamentals of the French language by developing communication skills in listening, speaking, reading, and writing. In addition, the unique cultures of French-speaking areas of the world are explored.

PART TWO

General Information

Sacred Heart Academy

Vision Statement

At Sacred Heart Academy, we are committed to the development of the whole person in order for each individual to fulfill God's purpose and to do God's will. We model high moral values and maintain high expectations for positive behavior. Encouraging moral and spiritual development is prioritized along with cognitive development. With our staff, students, and families, we celebrate our faith and share the Gospel message within the Church and greater community. We provide a variety of opportunities for personal and academic growth, where the individual learning needs of each student are an important part of the educational planning process. Sacred Heart Academy prepares children and young people to succeed and thrive in an ever-changing world.

Belief Statements:

1. The theological virtues of faith, hope, and love are integrated in everything we do.
2. As a school family, we put faith into action by participating in sacramental opportunities and stewardship within the Church and the community.
3. Working together with parents, our role is to develop students who reflect God's will.
4. We expect and model high moral standards and integrity.
5. We provide a safe and accepting family atmosphere.
6. We share a commitment to prepare all students with a high quality education which meets the needs of each student's college and career endeavors.
7. We foster community involvement and leadership through service.

ACADEMICS

(Academic Policies from SHA Student-Parent Handbook)

A. GRADUATION REQUIREMENTS

In compliance with the requirements set by the Michigan Association of Non-Public Schools and the Michigan Merit Curriculum, Sacred Heart Academy requires the following credits for graduation. One credit is one full year of successful work in a course or subject.

Minimum of 24 Credits

Religion	4 Credits
English	4 Credits
Mathematics	4 Credits
Science	3 Credits
Social Studies	3 Credits
World Language	2 Credits
Phys. Ed/Health	1 Credit
Visual, Performing, Applied Arts	1 Credit
Online Experience	0.5 Credit
Electives	1.5 Credits

*Students may waive the one semester of the required Physical Education requirement by successfully completing three Sacred Heart Academy athletic seasons during their high school career. Credit for physical education will be listed on the student's transcript, but a grade for this course will not be factored into the student's GPA. Students have the opportunity to test out of health prior to ninth grade by taking a comprehensive exam. Study materials are available for any student who would like to attempt testing out of health. Only ONE attempt to test out is allowed per student. Students must earn an 85% or better to be considered "tested out". If a student meets the test out requirement, credit for health will be listed on the student's transcript, but a grade for this course will not be factored into the student's GPA.

**Students may obtain credit for the 20 hours of an online experience requirement in various ways. Technology II is the course SHA offers to fulfill this requirement. Certain technical education classes will fulfill this requirement as well as any high school or college online courses. Counselor approval is required for any additional courses to be approved for this credit requirement.

B. GRADING PROCESS

Grading Scale

<u>Grade Minimum</u>	<u>Percent</u>	<u>GPA</u>
A	96-100	4.0
A-	90-95	3.8
B+	87-89	3.5
B	83-86	3.0
B-	80-82	2.8
C+	77-79	2.5
C	73-76	2.0
C-	70-72	1.8
D+	67-69	1.5
D	65-66	1.0
D-	63-64	0.8
F	62 and below	0.0

1. **Report cards** are compiled four times a year and are posted on RenWeb. Parents requesting that a printed report card be mailed home should contact the main office of the secondary building. Teachers will update grades weekly and can email progress reports at the request of parents.
 - a. Quarter grades are not posted to the permanent record. They are intended to inform students and parents about student progress. Each quarter grade for grades 7-8 represents 45% of the semester grade and 42.5% of the semester grade for grades 9-12.
 - b. First and second semester grades consist of two quarter grades and the grade from a comprehensive final exam which counts for 10% for grades 7-8 and 15% for grades 9-12. Only the final semester grade is recorded on the student's permanent transcript and used to calculate the cumulative grade point average.

2. **Incompletes-** A student who receives an incomplete in a class is responsible for working with the teacher to determine what is missing. Generally, an incomplete grade must be made up within ONE week of the end of the marking period. Extensions may be given with the approval of the teacher and the Administration. When students are missing grades due to excused absences, the teacher will set a reasonable date by which all make-up work must be completed. If a student does not make up the work by the assigned date, the teacher is to record a zero for all work not completed.

C. ACADEMIC CREDIT

1. A **transcript** is the record of grades earned by a high school student and is sent to colleges and institutions when applying for admission. An official transcript is one delivered directly, by request of the student and/or parent, to a college or institution with the school seal or sent electronically through Parchment (online transcript service). An unofficial transcript is one delivered by request to the student and/or parent. Transcripts submitted by the Counselor through the Common Application are considered to be official.
2. **AP Courses** – Students are able to take AP courses through Mount Pleasant High School (schedule permitting) or through an approved online educational service. Students are encouraged, but not required to take the AP Exam offered by the College Board. Students who did not take an AP course are still eligible to take the AP Exam at SHA. Students are responsible for all AP Exam fees. Grades earned in AP classes are not weighted more heavily on the SHA grading scale.
3. **Dual Enrollment** - Students may dual enroll in courses at any college or university in Michigan. Students may dual enroll on-campus, online, and off-campus. Courses must be approved by the academic advisor. In order for students to receive state funding from the Michigan Treasury Department and high school credit for a college course, it must be a course that SHA does not offer. Payment for the course and all required fees, including books and course materials, are the responsibility of the student. If a student does not pass the course, the student is responsible for payment for the entire cost of the class. Released time will be granted for students in grades 10-12 attending off-campus college courses during the regular school day. Courses scheduled outside the regularly scheduled school day will not warrant released time from school. Students in 9th grade may dual enroll, but must do so outside of the school day unless the course fulfills their foreign language requirement with a language we do not offer. Students in grades 10-12 registering for online college courses can request one scheduled hour of the day for computer use. Students who dual enroll are considered college students by the post-secondary institution they attend and thus must follow the schedule, rules, and procedures for the college as it pertains to their course. Upon completion of the course, students must request an official transcript be sent from the college or university to their counselor if they intend to have the course counted for high school credit.
4. **Independent Study** – when a student is enrolled on a regular basis at Sacred Heart Academy:
 - a. To be considered for an independent study, a student must have at least a 3.3 grade point average in the department under whose management the independent study would take place.
 - b. Approval from the participating teacher, guidance counselor, and the Principal is required before starting an independent study.
 - c. Usually a maximum of one course (0.5 credit) per semester is allowed as an independent study for a student.
 - d. To qualify for an independent study during the regular school year, a student must be enrolled in at least five courses (2.5 credits) in the regular program.
 - e. An independent study must be supervised by a SHA teacher or a GI-TEC instructor if the course is a technical education course.
 - f. Depending on the type of independent study, families may incur an additional cost.
5. **Credit Recovery** - Students who fail a required course or do not have sufficient credits for graduation may earn back credits in either summer school, by taking an approved online credit recovery course, or by repeating the failed course. Information about credit recovery options, including Summer School, is available in the Guidance Office. The student will assume all fees required for credit recovery courses. Students must complete the required credit recovery course before the next semester that the course is offered at SHA, otherwise students will automatically be reenrolled in the SHA course. The original failing grade will be included on the transcript along with the passing grade earned in the same course and both grades will be calculated into the cumulative grade point average. Seniors who do not receive a diploma upon graduation due to failed required courses have one year from the date of graduation to recover the needed credit(s).
6. **Foreign Exchange Programs** - Foreign exchange students will be granted an honorary diploma, unless they are able to meet SHA's graduation requirements. U.S. History and/or government, religion and English courses are required for exchange students regardless of grade level. SHA will determine the grade level in which to enroll the student.

D. ACADEMIC RECOGNITION

1. **Honor Roll:** Students will be on the Honor Roll if they have earned a grade point average of 3.5 or higher for the semester.
2. **Academic Awards:** Students will receive an Academic Award for each subject that they earn an A or A- in for the first three marking periods. For semester courses, students who earn an A or A- during the first quarter of that semester will receive an Academic Award.

3. **Class Rank:** Rank in class is based on cumulative grade point average beginning with the first semester of freshmen year (high school courses taken during junior high will be factored into ranking). The grade point average is accumulated and the rank is recalculated following each semester.
4. **GPA:** A student's unweighted grade point average will be determined using a 4 point scale (Example: A = 4.0; B = 3.0).
5. **Awards Distribution:** Students may be recognized for academic achievement through membership in the National Honor Society (see the SHA Student-Parent Handbook for requirements), National Technical Honor Society (students are nominated by GI-TEC faculty), and/or the annual Awards Ceremonies held for each grade level.
6. **Criteria for Valedictorian/Salutatorian:** Students will have attained the top two cumulative GPAs of the senior class at the conclusion of seven semesters. Students who share the top ranking will share the recognition of Valedictorian and the student next in the rankings will be recognized as the Salutatorian. The majority of credits must be earned at SHA and the student must be enrolled full time each semester of high school.

E. CURRICULUM INFORMATION/ENROLLMENT

1. Each student must carry **seven (7) subjects per year**. Students with courses that require two scheduling blocks (Example: off-campus dual enrollment, MPHS AP courses, tech center courses) are allowed to carry six (6) subjects per year. All students must remain in the school building through the 7th period of the day, unless approved by the Administration. A student must complete his/her required courses at Sacred Heart Academy. A "required course" is one designated as mandatory for graduation and must be successfully completed to receive a Sacred Heart Academy diploma.
2. Four years of daily attendance in a **religion class** offered at Sacred Heart Academy is required of all students who attend Sacred Heart Academy. Any exceptions to this must be approved by the Administration.
3. **Schedule changes** are made only through a formal procedure denoting parental, counselor, and administrative permission. Class changes can cause serious disruptions to the operation of the school. Teacher hiring and assignment decisions as well as course offerings are made on the basis of course selections in the spring. Changes will only be made for very serious reasons. If a schedule is not complete, required subjects are not included, or if a class was assigned that wasn't selected by the student, a request should be made to correct the situation. Students must remain in currently assigned classes until they receive written add/drop notification. Final decisions regarding scheduling changes are made by SHA Administration.
4. **Community Service** - Jesus called all of us to serve others. This program is a requirement of SHA for graduation. A total of 100 hours from grades 7-12 is required. Student hours may be served in the community, parish or other service areas approved by the program coordinator. Students must complete and turn in a reflection sheet for each experience within 30 days of completion with the exception of summer hours, which are due within 30 days after the start of school in the fall. Seniors must have the required hours turned in and verified by the end of the 3rd marking period. Junior high students are required to serve 10 hours/year while high school students will serve 20 hours/year. Students who arrive at SHA after 7th grade are responsible for the remaining hour requirements allotted for each grade level as mentioned above. Students who earn 150 or more hours of community service will receive a service cord at Jr./Sr. Awards night.
5. **College Athletics:** Student-athletes must register with the NCAA clearinghouse prior to or during their 11th grade year. Specific coursework is required in order to be eligible. Visit the Guidance Office for more information about SHA's approved courses, NCAA Eligibility requirements, and requesting transcripts/test scores. The SHA Athletic Director can provide more information about NCAA recruitment and policies.
6. **Withdrawal from School:** Students who withdraw from school must do so through the Sacred Heart Parish Business Office. They must do so in person. Before a transcript of records can be released, the student must not have outstanding obligations in classes (books, computers, materials to be turned in), athletic department, or any other place where school materials have been used. All tuition and fees must be paid in full. A transcript request form must be signed by the parent and administrative representative.

F. EXAMINATION POLICIES

1. Exams will be given at the end of each semester and must be taken to complete the course. Students who have missed exams due to pre-arranged or non pre-arranged absence must arrange a make-up exam with their instructor(s).
2. **Exam Accommodations:** Students without preapproved support plans who are requesting alternative test arrangements must receive approval from course instructor and/or Administration. Extended time and other accommodations will be granted according to the regular academic accommodations procedures.

3. **Cancellation of Exams:** In the event exams have to be cancelled on a regularly scheduled exam day, they will be made up the next school day. Usually a day is scheduled for make-up exams. The schedule pushes back one day (Example: If exams were scheduled for Wednesday, but are cancelled due to weather, these exams would be given on Thursday).

G. ACADEMIC COMPETITIONS

Fall

Language Arts: Consists of three events. Each school sends 12 members to the event where they are given two hours to complete their writing assignments. These include may include a position paper, a fictionalized journal, etc. Each team must submit at least two, but no more than four entries, which are then judged and scored. Students in grades 9-12 may participate.

Quiz Bowl: A team competition with a format similar to Jeopardy. It is a game of questions and answer based on a variety of subjects including sports, science, history, math and literature. The Quiz Bowl season may extend into the spring depending on the success of the team at competitions. Students in grades 9-12 may participate.

Model UN: The Model United Nations is a competitive simulation of a session of the United Nations General Assembly. Teams are required to research a variety of political, economic and diplomatic issues as part of drafting resolutions to be introduced into the general session. Students in grades 9-12 may participate.

Winter

Religious Quiz Bowl: Similar to regular Quiz Bowl, but students will compete during Catholic School's Week to answer religion based questions. Students in grades 9-12 may participate.

Talent Review: Students in the fine arts have an opportunity to showcase their talents with other students from different schools through the Isabella County Talent Show. Students in grades 9-12 may participate. The type of talent needed varies each year.

Technology Competition: Students produce different technological products to use to compete against other schools in response to various challenges. Students in grades 9-12 may participate.

Spaghetti Bridge Building: Students design and present a bridge constructed completely from spaghetti noodles. This competition is held at Ferris State University. Students in grades 9-12 may participate.

The Brain Bee: Students compete against other schools in a trivia competition that measures the neurological knowledge of students. The local competition is held at Central Michigan University. Students in grades 9-12 may participate.

Spring

Destination Imagination: The Destination Imagination program encourages teams of learners to have fun, take risks, focus and frame challenges while incorporating STEM (science, technology, engineering, and mathematics), the arts and service learning. Our participants learn patience, flexibility, persistence, ethics, respect for others and their ideas, and the collaborative problem solving process. Teams may showcase their solutions at a regional tournament. Students in grades 7-12 may participate.

Forensics: Forensics offers students an opportunity to compete in a variety of categories. Forensics explores individual speech events building on voice and diction. Students in grades 9-12 may participate.

Science Olympiad: Consists of test-taking, engineering, technology and problem solving events that cover all areas of science. Students in grades 7-12 are invited to participate.

TESTING PROGRAM AT SACRED HEART ACADEMY

All seventh grade students take the Algebra I Aptitude test to determine their readiness to take Algebra I as an eighth grade student. Along with their performance in 7th grade math and MAP scores, this test will help determine which students will be recommended for Algebra I as an eighth grade student.

Students in grades 7-10 will participate in NWEA MAP testing three times per year (fall, winter, and spring). The MAP test is an adaptive assessment in the areas of Reading, Mathematics, Language Usage, and Science. Students, teachers, parents, and administration will use the results to gauge student progress, assess college readiness, and develop plans of support for learners.

Sophomores and Juniors are encouraged to take the PSAT, the Pre-SAT offered at SHA in October. For juniors, it is used as a qualifying test for the National Merit Scholarship Competition. This test measures academic knowledge in the areas of critical reading, mathematics, and writing skills. It also serves as a practice for the SAT (Scholastic Aptitude Test).

In March 2016, SHA will be offering at no cost the SAT exam for juniors, which measures a student's verbal and mathematical skills. Students are also encouraged to take the ACT (American College Test) as either set of scores will be accepted by almost any college or university in the United States. College admissions personnel use the scores along with the student's transcript to determine acceptance into college. Students can register to take the ACT at www.actstudent.org. Central Michigan University is the closest host site for ACT testing. Some colleges require students to take the SAT II or SAT Subject tests. Any test in the SAT series can be registered for at collegeboard.org. Students may take the SAT or ACT more than once as many students improve their scores by taking the exam multiple times; however, some selective school prefer that a student limit the number of times they take these exams.

Fee waivers for the ACT and SAT are available to families on free or reduced lunch. Students with a written accommodations plan on file at the school may qualify for testing accommodations for the SAT and/or ACT. Guidance Counselor should be contacted to assist with applying for accommodations.

Juniors will also complete the ACT Work Keys assessment to determine their work skills and potentially provide them with work readiness certification. Additionally, eleventh graders will complete the M-Step exam administered by the Michigan Department of Education. This online exam will measure student progress in English, Mathematics, Social Studies and Science.

The design and continuity of the testing program are such that all results will be utilized in the educational planning and post-secondary placement. All students are required to participate in the program.

EDUCATIONAL DEVELOPMENT PLAN

Beginning in 7th grade, every SHA student completes an Educational Development Plan (EDP) to assist with the formulation of each student's college and career plans. The EDP not only ensures that students are on track to meet all graduation requirements, but also serves as guide for selecting courses that will best fit the Career Pathways of each student. In grades 8-11, students will annually update their EDPs so that it accurately reflects their college and career interests. Below is a template for the EDP that is currently used at SHA as well as a chart provided by the Michigan Department of Education to give a more detailed account of the Career Pathways available to students.

Educational Development Plan (EDP) of _____

Class of _____

Requirements

ENGLISH

- English 9
- English 10
- English 11
- English 12

SCIENCE

- Biology
- Chemistry or Physics
- Additional science course

MATH

- Algebra I
- Geometry
- Algebra II
- Math course during senior year

RELIGION

- Religion 9
- Religion 10
- Religion 11
- Religion 12

SOCIAL STUDIES

- U.S. History
- Govt/Economics
- World History

- Health
- Physical Education

- Arts

- Two years of foreign language

- 20 hours of an online experience

- 100 hours of community service

7th Grade

English	English 7
Science	Science 7
Math	Math 7
Religion	Religion 7
SS	Global Studies
Elective	Tech 1/
Elective	/

8th Grade

English	English 8
Science	Science 8
Math	
Religion	Religion 8
SS	US History
Elective	
Elective	

9th Grade

English	English 9
Science	
Math	
Religion	Religion 9
SS	US History
Elective	
Elective	

10th Grade

English	English 10
Science	
Math	
Religion	Religion 10
SS	Govt/Economics
Elective	
Elective	

11th Grade

English	English 11
Math	
Religion	Religion 11

12th Grade

SS	World History
Elective	
Elective	
Elective	

English	English 12
Math	
Religion	Religion 12
Elective	
Elective	
Elective	
Elective	

PSAT Results

SAT Results

Subject	Score	Local %	National %	Subject	Score	Local %	National %
Math				Math			
Reading				Reading			
Writing				Writing			
Overall				Overall			

NOTES:

Planning for the Future

Do you want to play sports in college? _____

Which career pathway do you find yourself most drawn to?

_____ Arts & Communications

_____ Health Sciences

_____ Business, Management, Marketing & Technology

_____ Human Services

_____ Engineering/Manufacturing & Industrial Technology

_____ Natural Resources & Agriscience

These careers interest me...

7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade

I am interested in these colleges and universities...

7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade

CAREER PATHWAYS

What Are the Six Career Pathways?

Arts and Communication



Careers in this path are related to the humanities and performing, visual, literary, and media arts. These include architecture, graphic, interior, and fashion design, writing, film, fine arts, journalism, languages, media, advertising, and public relations.

Is This Career Path for You?

Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? This may be the career path for you!

Career Categories

Arts and Communication

Advertising and Public Relations
Creative Writing
Film Production
Foreign Languages
Journalism
Radio and TV Broadcasting

Courses in School

Journalism
Graphic Arts
Language Arts
Fine Arts Courses (Art, Drama, Music)
Architectural Drafting and Design

Sample Careers and Levels of Education Required

Public Relations Executive
Dancer
Film Producer
Fashion Designer
Journalist
Radio and TV Broadcaster

Business, Management, Marketing, and Technology



Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.

Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, or surfing the Internet? This may be your career path!

Business, Management, Marketing, and Technology

Accounting
Office Administration
Business Ownership
Economics
Personnel
Hospitality/Tourism Management
Computer/Information Systems

Math
Language Arts
Computer Science
Business Management
Entrepreneurship
Computer Support

Loan Officer
Economist
Legal Secretary
Hotel Manager
Office Manager
Computer Programmer
Salesperson
Travel Agent

Engineering/Manufacturing and Industrial Technology



Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits, or woodworking? This may be the career path for you!

Engineering/Manufacturing and Industrial Technology

Architecture
Precision Production
Mechanics and Repair
Manufacturing Technology
Engineering and Related Technologies

Drafting
Science
Robotics
Machine Tools
Physical Sciences/Physics
Industrial/Mechanical Drafting

Architect
Plumber
Electrician
Air Traffic Controller
Auto Mechanic
Chemical Engineer
Draftsman
Surveyor
Geographer

Health Sciences



Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.

Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic? This may be your career path!

Health Sciences

Dentistry
Hygiene
Medicine
Nursing
Nutrition and Fitness
Therapy and Rehabilitation

Language Arts
Biological Sciences
Chemistry
Health Education
Animal Care
Nutrition

Dentist
Dental Hygienist
Doctor
Veterinary Technician
Respiratory Therapist
Physical Therapist

Human Services



Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.

Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems? Do you like reading, storytelling, traveling, or tutoring young children? This could be your career path!

Human Services

Education
Child and Family Services
Food and Beverage Services
Law and Legal Studies
Law Enforcement
Cosmetologist
Social Services

History
Political Science
Social Studies
Language Arts
Cosmetology
Psychology
Culinary Arts
Child Care

Chef
Teacher
Lawyer
Police Detective
Cosmetologist
Social Worker
Librarian
Firefighter

Natural Resources and Agriscience



Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? This could be your career path!

Natural Resources and Agriscience

Agriculture
Animal Health Care
Earth Sciences
Environmental Science
Fisheries Management
Wildlife Management
Horticulture
Forestry
Life Sciences

Agriculture
Astronomy
Chemistry
Biological Sciences
Animal Science
Math
Botany
Geography

Farmer
Oceanographer
Physicist
Landscape Architect
Marine Biologist
Conservation Agent
Chemist
Forester

Education Level Key: High School Diploma

1 to 2 Year Post High School

Undergraduate Degree Graduate Degree