

Muskegon Catholic Central

**Curriculum Guide Grades 7-12
2021-2022**



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STUDENT TESTING INFORMATION

MAP – Required

MAP assessments provide detailed, actionable data about where each child is on their unique learning path in the seventh, eighth and ninth grade. Measures of Academic Progress (MAP) tests present students with engaging, age-appropriate content. As a student responds to questions, the test responds to the student, adjusting up or down in difficulty. In this way, the test narrows in on a student's learning level. The result is a rewarding experience for the student, and a wealth of detailed information for teachers, parents and administrators.

PSAT 8/9 - Required

The PSAT 8/9 is the first exam in the SAT Suite of Assessments. Tightly aligned with the SAT, the PSAT establishes a baseline for college and career readiness as students enter high school. The PSAT 8/9 is designed for eighth- and ninth-graders. As part of the suite, the PSAT 8/9 will support all students with early feedback on the skills and knowledge that matter most for college and career success.

PSAT/NMSQT - Required

The redesigned PSAT/NMSQT is an important part of the SAT Suite of Assessments, which also includes the SAT and PSAT 8/9. The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a standardized test for tenth and eleventh grade students that provides first-hand practice for the SAT. It also gives students a chance to enter scholarship programs and gain access to college and career planning tools. The NMSQT taken in the junior year is the official route of entry to the National Merit Scholarship Program. This assessment supports a clear focus on the skills and knowledge that matter most for college and career success, and measures critical reading skills, math problem-solving skills, and writing skills.

SAT – Required

The SAT and SAT Subject Tests are a suite of tools designed to assess academic readiness for college in the eleventh or twelfth grade. These exams provide a path to opportunities such as financial support and scholarships. The SAT and SAT Subject Tests keep pace with what colleges are looking for today, measuring the skills required for success in the 21st century. The SAT is a college admissions test that assesses knowledge of reading, writing and math.

ACT - Optional

The ACT test assesses eleventh and twelfth grade high school students' general educational development and their ability to complete college-level work. The multiple-choice tests cover four skill areas: English, mathematics, reading, and science. The Writing Test, which is optional, measures skill in planning and writing a short essay. The ACT is a college entrance test and qualifying test for the Michigan Competitive Scholarship Program.

AP – Optional

The AP (Advanced Placement) Examinations are administered each year in May to juniors and seniors and represent the culmination of college-level work in a given discipline in a secondary school setting. The AP Exams test students' ability to perform at a college level. Most four-year colleges in the United States give students credit, advanced placement or both on the basis of AP Exam scores.

MUSKEGON CATHOLIC CENTRAL

MISSION STATEMENT

Muskegon Catholic Schools educate each student in spirit, mind, and body by fostering personal excellence within the Catholic tradition.

CURRICULUM

Muskegon Catholic Central offers a rigorous curriculum for all of its students. Students are encouraged to take as many challenging academic courses as are appropriate for their abilities. For students who have proven their excellence in a curricular area and desire more challenging offerings, MCC offers honors and AP courses in English, Math, Science and Social Studies. Students must apply for acceptance into these classes. Each department determines the qualifications and process for acceptance. Interested students or their parents should request applications from the Counseling or 7-12 Offices. In addition to classes offered on campus, a variety of academic and vocational courses are available to students through the Career Technical Center.

ACCREDITATION

Muskegon Catholic Central High School is accredited by the North Central Association.

Muskegon Catholic Central also works in accordance with and under the guidelines of the Grand Rapids Diocesan Education Office and the National Catholic Education Association.

SCHEDULING

Scheduling is a process by which students are assigned to specific classes and is coordinated through the Counseling Office. It is the responsibility of parents and students working together with the Counseling Office to ensure that all requirements are met and that the academic program chosen is well rounded and meets individual educational objectives. The selection of classes is determined by student and parent input, grade histories, standardized test scores and teacher recommendations.

Scheduling Guidelines for Students and Parents

- Students are required to take a full-day academic schedule. Students are encouraged to take as many challenging academic courses appropriate to their abilities
- Students applying for Honors or AP classes must meet the deadline for application and qualify for acceptance.
- Students are required to complete 30 credits for graduation. Graduation requirements are regarded as minimums which are to be exceeded whenever possible.
- Students and parents should carefully consider course selections since the Master Schedule is determined by class requests received.
- Requests for class changes require parent, teacher, and Counseling Office approval and are subject to course prerequisites and seat availability. Course Change Request forms are available in the Counseling Office. It's best if a student reviews their entire year schedule and makes any changes to their schedule before the school year begins. A student may sometimes change their schedule throughout the year if the change works within the master schedule and a student's class requirements. Students may change their schedule up to and including the first three days of the current Trimester. However, after that period, classes for that Trimester may no longer be changed.
- Students must receive prior approval from the Counseling Office and High School Principal in order to take Dual Enrollment classes or classes off campus to fulfill graduation requirements.
- Students and parents should be aware of the eligibility requirements established by the National Collegiate Athletic Association (NCAA) for college bound student athletes. Information is available in the Counseling Office or on the NCAA website.
- Classes for which students have previously earned high school credit may be retaken only with preapproval of the Counseling Office and High School Principal. In such cases, both the lowest and highest grades will appear on the student's transcript; however, only the highest grade point average equivalency for the highest letter grade will be calculated into the cumulative G.P.A.

CRUSADER ACADEMIC PERFORMANCE (CAP) SCORE

CAP (Crusader Academic Performance) Score is a formula used to identify students for academic awards, and that formula includes a student's cumulative grade point average, standardized assessments, and honors/advanced courses.

Weight:

GPA	Advanced Courses	Standardized Assessments
50%	35%	15%

Standardized assessments used in calculation of CAP Scores include PSAT 8/9 for freshmen, PSAT 10 for sophomores, PSAT/NMSQT for Juniors, and SAT for Seniors.

The CAP Score is a formula used to identify the Top Ten percent of students of the senior class and to select the Valedictorian and Salutatorian. The two students with the highest point based standing will deliver the speech at the Baccalaureate Honors Convocation as they have earned this privilege by demonstrating academic excellence in terms of class performance, test scores, and a challenging curriculum.

Academic cords are presented to students with the following CAP scores:

Gold Cord	Top 10% of Graduating Class CAP Scores
Green Cord	Top 20% of Graduating Class CAP Scores
White Cord	Top 30% of Graduating Class CAP Scores

Senior awards are based on all four years of study. Honor, scholarship, service, activities and appreciation awards are presented at the Baccalaureate Honors Convocation in the spring.

The SAT score that will be used in the formula will be the highest score that is reported to the Counseling Office beginning with the Spring assessment taken Junior year. It is the obligation of the student to provide any additional SAT scores to the Counseling Office by April 1 of their senior year.

Advanced Courses

Honors = 2 points per course

Advanced Placement = 3 points per course

Dual Enrollment = 3 points per non-essential dual enrolled course (Beginning Fall of 2018)

- Students must complete the entire course in order to receive AP or Honors Points.
- Dual enrollment courses must be preapproved in order to count towards CAP score points. Only non-essential courses will receive points, meaning any course that is essential or required for high school graduation will not receive CAP score points.
- Courses being awarded AP and Honors Points are subject to change in order to accommodate changes in curriculum or course offerings.

MIDDLE SCHOOL COURSE POLICIES, REQUIREMENTS, AND SELECTION

Department	Course Name
Religion 2 courses	Religion 7 (all year) Religion 8 (all year)
English 2 courses	Language Arts 7 Language Arts 8
Social Studies 2 courses	World Cultures 7 United States History 8
Science 2 courses	Science 7 Science 8
Mathematics 2 courses	Transitional Mathematics 7 (all year) Algebra I (all year / High School Credit)
Spanish 2 courses	Transitional Spanish 7 (1 Trimester) Transitional Spanish 8 (1 Trimester)
Electives	Art Physical Education Choir Band Inquiry Based Learning <i>Students are required to take 4 of the 5 electives each year of middle school.</i>

MATH ADVANCEMENT

The advancement of a student is a decision that should be informed by data and made with much care. A student must be emotionally mature to meet the challenges of advancement, in addition to being academically prepared to work at a faster and more rigorous pace than their current instructional level. Students must demonstrate a notable aptitude for the content area otherwise the risk of pushing them too quickly could be detrimental to their learning potential. All students wishing to advance in mathematics as they enter the seventh grade will be evaluated and appropriately placed based on teacher recommendation, the student's most recent report card, most recent NWEA MAP scores, and an additional content area placement assessment. Once placed, all students are expected to move through the progression of mathematics courses outlined by the Muskegon Catholic Central curriculum.

ELECTIVE COURSE SELECTIONS

All seventh and eighth grade students are encouraged to take all of the electives, but are required to take 4 of the 5 electives each year. Elective courses consist of Art, Physical Education, Band, Choir and Inquiry Based Learning.

COURSE DESCRIPTIONS: GRADE 7

B0071/B0072

LANGUAGE ARTS 7

Grade 7

In seventh grade Language Arts, students will be studying a variety of skills including literature and the types of genres, grammar and mechanics, punctuation, vocabulary, various writing styles and techniques, speaking/listening skills, and creative thinking.

P0071/P0072/P0073

RELIGION 7

Grade 7

The aim of this class is to nurture in our students an ever more mature faith in Jesus Christ, a deeper knowledge and love of His person and message, and a firm commitment to follow Him. Elements covered include Doctrine, Scripture, Worship, and Morality. The class also highlights Catholic Social Teachings and parish or school ministries that students may either hear about or participate in throughout their lives.

D0071/D0072

INTEGRATED SCIENCE 7

Grade 7

Seventh grade Science is an integrated science which focuses on the study of cells including cell structures, transport and organization. Students will also study the water cycle, placing emphasis on fresh water and the role of the Great Lakes in our environment. During our study of the atmosphere, students will learn about the structure of the atmosphere, weather, and climate and air pollution.

E0071/E0072/E0073

TRANSITIONAL MATHEMATICS

Grade 7

This course provides opportunities to perform basic operations involving pre- algebra skills and to use these to write mathematical expressions and to solve problems. Students will master fraction and decimal concepts, utilize basic geometry, and become familiar with functions and analysis of data. Students will build on their knowledge of reading mathematical problems, problem solving, graphing and calculator use.

C0071/C0072

WORLD CULTURES 7

Grade 7

In this required course students study the Eastern Hemisphere from its origins through the present. Students will study patterns of change and continuity, including when and how human communities populated major regions of the Eastern Hemisphere and adapted to a variety of environments. They will explain the impact of the Agricultural Revolution in the various regions. They will learn to locate the major landforms, rivers, and climate regions of the Eastern hemisphere. Students will also define the concept of cultural diffusion and how it resulted in the spread of ideas and technology from one region to another.

F0100

TRANSITIONAL SPANISH 7

Grade 7

Seventh grade Transitional Spanish will be a trimester long course where students will learn some of the essentials of the Spanish language through a proficiency and culture rich curriculum. Students will develop fundamental skills of how to read, write, speak, and listen in the target language before moving on to High School Spanish.

COURSE DESCRIPTIONS: GRADE 8

E0081/E0082/E0083

ALGEBRA I

Grades 8-9

Credits: 1

This course provides an opportunity to learn about: Algebra to describe and explain, solve linear equalities and inequalities, division and proportions, slopes and lines, to describe patterns of change, powers and roots, quadratic equations and functions, linear systems and polynomials

C0081/C0082

U.S HISTORY 8

Grade 8

Students will study the essential historical themes in the context of American history. This course will offer a review of our Colonial Heritage, and then offer an in-depth look at American History from the American Revolution through Reconstruction.

B0081/B0082

LANGUAGE ARTS 8

Grade 8

Students in eighth grade Language Arts will be analyzing several types of literature, both fiction and non-fiction. Students will also learn correct grammar, mechanics, and punctuation. Students will incorporate vocabulary into various writing styles which include narratives, research, and literary response. Students will also learn crucial speaking and listening skills, as well as creative and logical thinking.

P0081/P0082/P0083

RELIGION 8

Grade 8

The focus of this course is to explore the history of the Catholic Church. Our aim is to nurture in our students an ever more mature faith in Jesus Christ, a deeper knowledge and love of His person and message, and a firm commitment to follow Him. Weekly Mass participation will also be required and will be reflected in the participation grade.

D0081/D0082

SCIENCE 8

Grade 8

Eighth grade Science is an integrated science class which focuses on the study of human anatomy including the skeletal, muscle, integumentary, digestive, respiratory, excretory, circulatory and reproductive systems. Students will study chemistry, including the periodic table, structure of atoms and some basic principles in chemistry. In astronomy, students will learn about the history of space exploration, the sun, moon, planets and other galaxies. Students will study velocity, acceleration and Newton's Laws of Motion. Students will also discuss electricity and magnetism.

F0101

TRANSITIONAL SPANISH 8

Grade 8

Seventh grade Transitional Spanish will be a trimester long course where students will learn some of the essentials of the Spanish language through a proficiency and culture rich curriculum. Students will develop fundamental skills of how to read, write, speak, and listen in the target language before moving on to High School Spanish.

ELECTIVE OFFERINGS: GRADES 7-8

L0070

ART 7/8

Grades 7-8

This course gives the Middle School student the opportunity to explore a variety of art making. Projects include drawing, painting, ceramics, commercial art, weaving, and 3-D work. All projects focus on using the Elements and Principles of Art. The Middle School student also has an opportunity to work together on an outreach project of their choice (Ragdolls for the World, International Day of Peace, etc.)

J0081

BAND 7/8

Grades 7-8

Band is composed of students in grades 7-8, and is a beginner to intermediate ensemble. Students will perform in a concert. The Band will play a variety of literature, ranging from works for beginning band to level-appropriate arrangements of current popular music. A strong emphasis will be placed on the basics of playing an instrument, basic note-reading and music theory, and musical terms and their definitions.

J0071

CHOIR 7/8

Grades 7-8

Choir is composed of students in grades 7-8. Students enrolled in choir will learn the basics of vocal technique, music theory, piano skills, and music history through the preparation and performance of choral music. All choir students are required to sing for Elementary and 7-12 Masses each week during school, as well as to sing in a concert which will take place toward the end of each trimester.

I0100

INQUIRY BASED LEARNING 7/8

Grades 7-8

Students will create technology-based projects aimed at exploring a complex question, problem or challenge. Projects are very student-directed in nature in that, in most cases, students choose their partners and their project direction/topic, and are allowed to express their own “voice” in how they complete the project goal(s). While working together, students will practice 21st Century skills, such as communication, collaboration, critical thinking, open-ended research, and problem solving. Students learn a variety of technologies and skills, depending on their own unique project.

M0070

PHYSICAL EDUCATION 7/8

Grades 7-8

This course is designed to develop the fitness level of students. Techniques in individual and team sports concepts will be stressed. The class will focus on fitness, team sports, and sportsmanship in competition.

ADVISORY: GRADES 7-8

A0071/A0072/A0073 & A0081/A0082/A0083

ADVISORY

Grades 7-8

Advisory is a mandatory, year-long mini-course designed to help balance academic life with future goals. With student success in mind, advisors will facilitate lessons on a variety of topics geared toward college and career readiness two times per week. Advisors will also discuss student grades and academic progress, as well as any concerns students may have about their courses. By the end of the course students will be thinking about future goals and planning how to get there, developing skills and supports for academic and personal success, demonstrating motivation and a sense of purpose, and advocating for needs by regularly discussing achievement with school staff.

A1335/A1336/A1337

MIDDLE SCHOOL STUDENT LEADERSHIP

Grades 7-8

Leadership is a full year course which asks students to take an active role in the MCC community. It is designed to teach the fundamentals of leadership while students serve the school in their role as a Student Council member. Because Leadership/Student Council is a class, and the class is responsible for organizing and completing many school activities, the most important qualifications are responsible behavior, willingness to work and learn in a group setting, and the ability to sacrifice personal desires for the larger group. Student Council’s primary focus is school events and volunteerism. This class includes time commitments outside of the normal school day.

Prerequisite: Application & Acceptance into program

HIGH SCHOOL GRADUATION REQUIREMENTS

Department	Course Name (Regular Track)	Course Names (Honors Track)	Credit		Department	Course Name	Credit
RELIGION 4 credits	Christ in Scripture & Person of Jesus Mission of Christ 1 & 2 Sacraments & Life in Jesus History of Catholic Church & Catholic Social Teaching		1 1 1 1		FINE OR APPLIED ARTS 1 credit	Band, Choir, Yearbook, Music Apprec., Art I, Adv Art, Fiber Art, Adv. Fiber Art, Ceramics, Adv. Ceramics, Art History, Commercial Art, Painting, Theatre, Social Media Marketing, Tech Lit, Computer Science, Broadcasting, Inquiry Based Learning, Computer Applications, Creative Writing, and Newspaper.	0.5 credit OR 0.33 credit per trimester if year long course
ENGLISH 4 credits <i>Honors: 4.5 credits</i>	Composition/Literature American Literature British Literature World Literature	Comp/Literature H American Literature H British Literature H AP English	1 1 1 1 or 1.5		PHYSICAL EDUCATION ½ credit HEALTH ½ credit	Options: Physical Education, Conditioning and Conditioning II (PE credit can be waived by two full seasons of high school related athletics.)	0.5 credit 0.5 credit
SOCIAL STUDIES 3.5 credits <i>Honors: 4.5 credits</i>	US History Government/Economics World History Political Science	US History H Gov't/Economics H AP US History World History H	1 1 1 or 1.5 .5 or 1		Senior Service and Seminar ½ credit	Please see the service and seminar section of the course guide.	0.5 credit
SCIENCE 3 credits <i>Honors: 4.5 credits</i>	Biology Integrated Science Chemistry or Physics	Biology Integrated Science H AP Chemistry Anatomy or Physics	1 1 1 or 1.5 1		Electives 3 credits	See Available Elective Offerings	0.5 credit OR 0.33 credit per trimester if year long course
MATHEMATICS 4 credits <i>1 Math credit is required in GR 12</i>	Algebra Geometry Advanced Algebra FST or Math Elective	Algebra Geometry Advanced Algebra FST PDM AP Calculus	1 1 1 1 1 1.5		Advisory 4 credits	Advisory 09 Advisory 10 Advisory 11 Advisory 12	0.33 credit per trimester (1 credit per year)
WORLD LANGUAGE 2 credits	Spanish (minimum of 2 years of the same world language is required for graduation)	Spanish I Spanish II Spanish III Spanish IV	1 1 1 1		TOTAL CREDITS FOR HIGH SCHOOL GRADUATION 30		

COURSE DESCRIPTIONS: GRADES 9-12

ENGLISH DEPARTMENT

All students, grades 7-12, will be required to complete an independent summer reading assignment called “Extended Reading” which is done over the summer. Muskegon Catholic Central English department provides a solid college preparation program for all its students, taking great measures to ensure that each student has multiple opportunities to spend time reading independently from the course for which they are registered. If students are interested in the English Honors program, they need to test into it. Honors tests are usually given in the Spring for enrollment in the following year’s honors program.

B0091/B0092

COMPOSITION/LITERATURE

Grade 9

Credits: 1

Composition and Literature 9 is designed to give students a taste of world literature in preparation for college. The literary focus will encompass both fiction and non-fiction, focusing on various short stories and poems spanning the 17th-21st centuries. In addition to expanding literary knowledge, this course is designed to build foundational vocabulary skills, which students will be expected to incorporate regularly. Lastly, this course will teach each student how to become an effective analytical thinker and writer about literature, teaching them the skills to master both language and punctuation in writing.

B0095/B0096

COMPOSITION/LITERATURE HONORS

Honors Points: 2

Grade 9

Credits: 1

Honors Composition and Literature 9 is designed to give students a taste of world literature in preparation for college. The literary focus will encompass both fiction and non-fiction, focusing on various short stories, poems, and novels spanning the 17th-21st centuries. In addition to expanding literary knowledge, this course is designed to build fundamental literary concept and vocabulary skills. Students will most certainly be expected to incorporate the terms they learn into their writing (as well as their speech). Lastly, this course will teach each student how to become an effective analytical thinker and writer about literature, teaching them the skills to master both language and punctuation in writing. This course will certainly push students academically and demand regular participation.

PREREQUISITE: *Honors Application/Department Approval*

B0101/B0102

AMERICAN LITERATURE

Grade 10

Credits: 1

Students will explore American literature through focused reading of various works, including short stories, essays, plays, poetry, and novels. While exploring literature throughout American history, students will consider how relationships are formed, how relationships impact others, and their responsibility to society. Through reading, students build vocabulary, comprehension, and stamina. In writing, students will work toward a more accurate application of grammar rules, a more substantive development of craft, as well as content, and a more fluid construction of sentences.

B105/B0106

AMERICAN LITERATURE HONORS

Honors Points: 2

Grade 10

Credits: 1

Honors Composition and American Literature is designed to give students a deep understanding of American literature in preparation for college. The literary focus will encompass both fiction and non-fiction, focusing on various short stories, poems, and novels spanning the 18th-21st centuries. In addition to expanding literary knowledge, this course is designed to build fundamental literary concepts and vocabulary skills. Students will be expected to incorporate the terms learned into both writing and speech. Lastly, this course will teach students how to become effective analytical thinkers and writers about literature, teaching skills to master both language and punctuation in writing.

PREREQUISITE: *Honors Application/Department Approval*

B0111/B0112

BRITISH LITERATURE

Grade 11

Credits: 1

Through studying British literature, students will explore the components of heroism, the significance of choices, the effects of technology, and the structure of society. In addition to literature and vocabulary, a variety of writing styles will be studied, along with a review of grammatical rules. We will be using various poetry, short stories, and novels as a springboard for top issues and ideas relevant to the human condition and to the daily navigation of our individual lives. The curriculum is literature based, but with emphasis on the refinement of written and oral expression, and especially on the development of the writer's personal style

B0115/B0116

BRITISH LITERATURE HONORS

Honors Points: 2

Grade 11

Credits: 1

Honors British Literature is designed to give students a serious “crash course” in English literature, approximately 1500 years of English literature! Our literary focus will begin at the beginning with *Beowulf*, incorporating numerous classic and contemporary pieces, ending somewhere in the 20th century. The first part of the course will primarily be focused on poetry and drama; the second part of the course will provide and will incorporate a variety of essays, poems, short stories, and a novel (or two). In addition to expanding students’ growing literary knowledge, this course is designed to advance their literary concept knowledge, through both recognition and application, as well as increase standard vocabulary skills. Students will most certainly be expected to incorporate the terms they learn into their writing (as well as their speech). Lastly, this course will teach each student how to become an effective analytical thinker and writer about British literature, teaching them the skills to master both language and punctuation in writing. This course will certainly push students academically, requiring outside reading and demanding regular participation.

PREREQUISITE: *Honors Application/Department Approval*

B0121/B0122

WORLD LITERATURE

Grade 12

Credits: 1

This course offers a global approach to literature and literary non-fiction of the 20th century to the present. Emphasis is placed on critical analysis and research skills necessary for success in college. Students will also write creatively by developing their own poems, short stories, and essays. Contemporary issues and mature language may be encountered in the readings.

B0217/B0128/B0129

ADVANCED PLACEMENT (AP) ENGLISH LITERATURE

Honors Points: 3

Grade 12

Credits: 1.5

AP Literature is meant to be the equivalent of two semesters of a college-level literature and writing course. Its design and content is geared toward preparation for the College Board's AP exam in English Literature and Composition, which will be given in May. In this class, students will engage in extensive reading, writing, and analytical thinking while exploring college level texts which will enhance literary scope. Those who excel in the course will be encouraged to take the national Advanced Placement test in May. Passing the test with a score of 3, 4 or 5 provides an opportunity to gain advanced placement and/or credit, according to the policy of the student's selected college.

PREREQUISITE: *Honors Application/Department Approval*

FINE & APPLIED ARTS DEPARTMENT

Art Electives

L1011

ART I

Grades 9-12

Credits: 0.5

This course is designed to introduce the art students to 2-D and 3-D art. The student will have an opportunity to explore art making with pencil, paint, collage, clay, fibers and sculpture. There will also be an Art History component sprinkled throughout the term. This class is meant to introduce, explore and enlighten the student to the world of art-making and creative thinking.

L2011

ADVANCED ART

Grades 9-12

Credits: 0.5

This course is designed to develop skills learned from Studio Art I, and create work on a higher level. The student will make art using a variety of mediums. In addition, there is a writing component of critique, reflection and analysis. Coinciding with required projects the student will work on a Semester Project of their choosing that is presented at the end of the semester. For those students who are returning, there is an opportunity to work on independent projects to build a comprehensive portfolio.

PREREQUISITE: *Art I*

L3011

ADVANCED ART: CERAMICS

Grades 9-12

Credits: 0.5

This course is for the art student that has met the requirements of the previous art classes and wants to work on independent projects to explore specific art mediums and build their art portfolio. The student is required to be self-motivated and focused on their art-making. The student will

meet with the teacher to design the projects and goals for the semester. The student is required to present their work in an organized fashion, along with statements and reasons for their work for the semester final. In addition, the Advanced Art student is required to research an artist, Art Movement, or Art Period to be turned in at the end of the semester. The student will make a variety of projects starting with the basic pinch pot. Most of the projects are hand-built with an opportunity to “throw” a piece on the potter’s wheel. The student will be required to submit an idea and complete a semester project. The student is expected to understand the process of wedging and reclaiming clay, glazing, firing, and loading a kiln. Also, they are expected to take care of the clean-up process. For the returning Ceramic student, the projects will be in greater depth with an opportunity for the student to work on an independent basis.

PREREQUISITE: Art I

L3013

ADVANCED ART: ADVANCED CERAMICS

Grades 9-12

This course is for the art student that has met the requirements of the previous art classes and wants to work on independent projects to explore specific art mediums and build their art portfolio. The student is required to be self-motivated and focused on their art-making. The student will meet with the teacher to design the projects and goals for the trimester. The student is required to present their work in an organized fashion, along with statements and reasons for their work for the semester final. In addition, the Advanced Art student is required to research an artist, Art Movement, or Art Period to be turned in at the end of the trimester. The student will make a variety of projects starting with the basic pinch pot. Most of the projects are hand-built with an opportunity to “throw” a piece on the potter’s wheel. The student will be required to submit an idea and complete a semester project. The student is expected to understand the process of wedging and reclaiming clay, glazing, firing, and loading a kiln. Also, they are expected to take care of the clean-up process. For the returning Ceramic student, the projects will be in greater depth with an opportunity for the student to work on an independent basis.

PREREQUISITE: Ceramics

L3012

ADVANCED ART: PAINTING

Grades 9-12

Credits: 0.5

This course is for the art student that has met the requirements of the previous art classes and wants to work on independent projects to explore specific art medium and build their art portfolio. The student is required to be self-motivated and focused on their art-making. The student will meet with the teacher to design the projects and goals for the semester. The student is required to present their work in an organized fashion, along with statements and reasons for their work for the semester final. In addition, the Advanced Art student is required to research an artist, Art Movement, or Art Period to be turned in at the end of the semester. The Painting class covers color theory and uses a variety of paint medium. The student has an opportunity to express themselves through Abstract art as well as paint from observation. There will also be a requirement for the student to research a painter of their choosing and create a piece that “mimics” that artist. For the returning Painting student, they will be expected to work on projects independently to build their portfolio.

PREREQUISITE: Art I

L2440

COMMERCIAL ART

Grades 9-12

Credits: 0.5

If you are interested in Advertising or Graphic Arts, this is the class for you. This class will include the study of Type design, product design, signs, posters, logo design and art projects that advertise a product or express an idea. If you have a strong sense of spatial design and want to create a piece of work to promote, explain, narrate or inform, sign up now! There is no prerequisite for this class.

L2460

FIBER ARTS

Grades 9-12

Credits: 0.5

Have you had your fiber today? This class will have you creating art using natural or synthetic yarn, cloth, plastic, recycled products or other materials. We will spin yarn from sheep wool, dye it, and make a creation. Soft sculptures, needlepoint, and other techniques will be introduced. There is no prerequisite for this class.

L2461

ADVANCED FIBER ARTS

Grades 9-12

This class will have you creating art using natural or synthetic yarn, cloth, plastic, recycled products or other materials. We will spin yarn from sheep wool, dye it, and make a creation. Soft sculptures, needlepoint, and other techniques will be introduced.

PREREQUISITE: *Fiber Arts*

L2470

ART HISTORY

Grades: 9-12

Credits: 0.5

Did you know that the first drawings known to mankind were found on the walls of caves during the Paleolithic period? So much of our humanity is understood by looking at art through the ages. From Paleolithic to Contemporary art, this class is for those interested in taking the journey of mankind through its art-making. Along with looking at art, we will also listen and look at some of the other art forms that make up Art periods and movements. This class does not require any art skills - - just an interest in learning about the history of art and the people/cultures involved. This course does not have any pre-requirement to enroll.

Computer Science and Technology Electives

I1001

INTRODUCTION TO COMPUTER SCIENCE

Grades 9-12

Credits: 0.5

This course is for all students, who are interested in computers or want to learn what computer science is. The course will cover the core computer science and programming concepts while using highly interactive online activities as well as in class projects.

I1002

COMPUTER SCIENCE FOR ALL

Grades 9-12

Credits: 0.5

Understanding computing technology benefits nearly anybody today, not only through using the amazing world of the Internet, the web, computers, smartphones, the cloud and more but helping people become better purchasers and users of computing technology too. In this course we will do real Python programming, visually see how much more memory or drives impact a computer, develop and preview working HTML, CSS or Javascript and much more.

I1003/I1004/I1008/I1009

COMPUTER APPLICATIONS A, B, C & D

Grades 9-12

Credits: 0.5 each

This course will introduce students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. This course may be taken twice during the school year, with the content increasing each time.

I5014

COMPUTER SCIENCE: BROADCASTING

Grades 9-12

Credits: 0.5

This is a project-based course that will increase the students' familiarity and comfort with using technology to create and collaborate. In this paperless environment, students will explore technology tools that are used to develop and share information. The first nine weeks are broadcast-based. The evolution of broadcast methods are covered and students will acquire a respect for the large leaps technology has made to broadcast. The second nine weeks focus on multimedia. Students explore ways to responsibly share information in the digital age. Topics include Google Drive, screencasting, tutorials, HTML, infographics and interactive presentations. All students will complete and present a personal technology goal.

I5015

COMPUTER SCIENCE: TECH LIT

Grades 9-12

Credits: 0.5

Tech Lit is a course where students work on their typing skills. Other topics covered may include word processing, spreadsheets, presentations, publications. Students are challenged to use correct hand placement for typing and to improve their typing skills over the course of the nine weeks. They are also given opportunities to explore and use different programs.

I0010

HIGH SCHOOL INQUIRY BASED LEARNING

Grades 9-12

Credits: 0.5

Students create technology-based projects aimed at exploring a complex question, problem or challenge. Projects are very student-directed in nature. In most cases, students choose their partners and their project direction/topic, and are allowed to express their own "voice" in how they complete the project goal(s). Working together, students practice 21st Century skills, such as communication, collaboration, critical thinking, open-ended research, and problem solving. Students learn a variety of technologies & skills depending on their own unique project.

Music Electives

J0075

HIGH SCHOOL CHOIR

Grades 9-12

Credits: 0.5

Students enrolled in this course will learn and develop vocal technique, music theory, piano skills, and music history through the preparation and performance of choral music. All choir students are required to sing for 7-12 Masses each week during school, as well as to sing in a concert which will take place toward the end of each trimester. There will also be other performance requirements which will be announced as they arise.

J0085

HIGH SCHOOL BAND

Grades 9-12

Credits: 0.5

The High School Band is composed of students in grades 9-12, and is an intermediate to advanced instrumental music ensemble. Students in band will perform at various events, including concerts and the high school graduation ceremony. The High School Band will play a variety of literature, ranging from classic concert band music to new arrangements of popular tunes. Students will also learn music theory and increase their listening repertoire.

J4900

MUSIC APPRECIATION

Grades 9-12

Credits: 0.5

This course is designed to be a non-performance class where students will explore music of different styles through various listening experiences. All styles/genres of music are covered (classical, folk, musical theater, jazz, pop/rock, soundtrack, etc). Researching different composers and performers integral to each style will also be included along with discussions about various instruments and the science behind what makes them work. Activities include: listening, discussions, projects, and presentations relative to the appreciation of each different music style.

Miscellaneous Fine Art Electives

B4901

CREATIVE WRITING

Grades 9-12

Credits: 0.5

Creative writing may consist of writing commercials, children's stories, poems, short stories, plays, and keeping a daily journal. Students enrolling in this course should be motivated to improve their creative writing abilities and be able to work in a self-directed setting. Peer evaluation, writing assessments, presentation of pieces, submissions for publication, and a final exam are a part of the assessment for this course. If a student author has a love of reading, a vivid imagination, a willingness to experiment with words, an appreciation of writing styles, and some previous writing experiences, he or she is likely to do well. In short, it is the student's job to play the role of the novice author, while the teacher assumes the role of literary critic and provides the writer with instruction in writing techniques and styles.

K1016

NEWSPAPER

Grades 10-12

Credits: 0.5

Newspaper is a course where students will engage in researching content, conducting interviews, and publishing original work. Students will learn the basics of journalism, photography, and design in order to produce original content that will be published for the Muskegon Catholic Central community.

K4901

THEATRE

Grades 9-12

Credits: 0.5

Theatre will be a trimester length project based learning experience where students work together to produce a production for local elementary students. Theatrical projects may include script-writing, costume and prop making, set-building, rehearsing, and more. Production projects may include designing the show, marketing and advertising, and creating all promotional materials. Students will rotate between performing and helping behind the scenes throughout the trimester. The goal is to have this class produce a Fall drama, a Christmas play or a Spring comedy, and get valuable business and life skills by helping produce the Spring Musical.

K0010/K0011/K0012

YEARBOOK

Grades 10-12

Credits: 1

Yearbook is an exciting, challenging, and fun class, where students will learn about page layout and design, publishing, journalism, photography, and business skills. They will learn to very quickly work as a team, which is so advantageous when working on a task of this magnitude. Being a member of this staff is an awesome responsibility, and by the end of the year, students will have produced a book that is valued by the entire MCC community. *(Participation in Yearbook is an all year requirement unless you receive prior consent from the teacher.)*

PREREQUISITE: *Instructor Approval*

MATHEMATICS DEPARTMENT

A mathematics course must be taken in the senior year, with no exceptions. Taking four credits of math prior to the senior year does not satisfy the requirement of having to take a mathematics course in the senior year. Students are highly encouraged to advance in the regular mathematics curriculum, but the credit may also be earned in a math-related course as determined by the school. Courses that qualify for senior year math include Business/Personal Finance or Physics – but only after the successful completion of Advanced Algebra. Physics may only be counted as a senior math credit if the student has already satisfied all other Science requirements. Taking a math-related course to satisfy the senior year credit will be based upon department recommendation and Counseling Office pre-approval.

E0081/E0082/E0083

ALGEBRA I

Grades 8-9

Credits: 1

This course acts as an introduction to the language of Algebra and the ways it is used in the real world, while integrating geometry, probability, and statistics with a variety of approaches and use of technology. It introduces skills, properties, uses, and representations of algebraic concepts and skills. Multiple approaches to expressions, equations, and functions are presented. Topics are presented tabularly, graphically, and symbolically. Graphing calculators are encouraged to develop algebraic concepts and algebraic reasoning skills. Topics include linear, exponential and quadratic functions, powers, roots and polynomials. Students are taught how to visualize algebraic concepts physically and graphically. Students must have a scientific calculator available everyday and a TI-83 or a TI-84 is recommended.

E0091/E0092

GEOMETRY

Grades 9-10

Credits: 1

The study of formal logic and proof helps students to understand the axiomatic system that underlies mathematics through the presentation and development of postulates, definitions, and theorems. It is essential that students develop deductive reasoning skills that can be applied to both mathematical and real-world problems contexts. Successful post-secondary engagements requires that students must be able to apply knowledge in new situations; to solve problems by generating new ideas; and to make connections between what they read and hear in class and the world around them. During high school, students begin to formalize their geometry experiences from elementary and middle school, using more precise definitions and developing careful proofs. Analytic geometry connects algebra and geometry, resulting in powerful methods of analysis and problem solving.

E0101/E0102/E0103

ADVANCED ALGEBRA

Grades 10-11

Credits: 1

This course emphasizes the work with quadratic expressions and equations, powers, roots, and the functions based on these concepts. Students study exponential logarithmic, polynomial, and other special functions as tools for modeling real-life situations. This course also serves as an introduction to trigonometry. Students will also learn to use the graphing calculator as a tool in enhancing understanding and improving problem-solving skills. It is recommended that students taking this course have a TI-83/84 calculator.

E0106/E0107

FUNCTIONS, STATISTICS, & TRIGONOMETRY (FST)

Grades 11-12

Credits: 1

This course provides an important study of data analysis and statistics. Statistics and algebraic concepts are integrated as students display, describe, transform, interpret, and model numerical data. Trigonometric functions are integrated with the study of exponential, logarithmic, and polynomial functions, sequences and series, and probability and simulation. The frequent use of a graphic calculator is assumed and it is recommended that students taking this course have a TI-83/84 or other graphics calculator.

PREREQUISITE: Minimum C- in Advanced Algebra or Department Recommendation.

E0111/E112/E0113

PRECALCULUS & DISCRETE MATH (PDM)

Honors Points: 2 ("B" or better)

Grades 11-12

Credits: 1

This course emphasizes work in trigonometry, polar coordinates and complex numbers as well as the discrete mathematics topics of recursion, formal logic, mathematical induction, and graph theory. Also included is an informal investigation of traditional calculus topics such as maxima and minima, infinite sequences, limits, derivatives, and integrals. The focus of the course will be a study of the topics through real-world applications and the use of the graphing calculator. Students should have a TI-83/84 or other graphics calculator for home use.

PREREQUISITE: Minimum C- in FST or Department Recommendation.

E4022/E4023/E4024

ADVANCED PLACEMENT (AP) CALCULUS (AB)

Honors Points: 3

Grade 12

Credits: 1.5

This course begins with a review of what students need to know from Algebra, Geometry, Algebra II, and Pre-Calculus (FST & PDM), and provides the opportunity for students to work with functions represented in a variety of ways such as graphically, numerically, analytically and verbally, and emphasizes the connections among these representations. Students also learn how to communicate mathematics and explain solutions to problems both verbally and in written sentences. This class is taught with the assumption that students will be taking the AP Calculus AB exam; therefore exam preparation will be a critical part of this course. Those who excel in the course will be encouraged to take the national Advanced Placement test in May. Passing the test with a score of 3, 4 or 5 provides an opportunity to gain advanced placement and/or credit, according to the policy of the student's selected college.

PREREQUISITE: Minimum C- in PDM or Department Recommendation

E0121/E0122/E0123

PERSONAL FINANCE

Grades 11-12

Credits: 1

Serves as a practical guide to individual money planning. Subjects covered include budgeting, investing, planning for taxes, insurance, consumer decisions, and retirement planning. Personal Finance can serve as the required math credit senior year or can be taken as an elective.

PHYSICAL EDUCATION DEPARTMENT

M1012

HEALTH

Grades 9-12

Credits: 0.5

Health explores the following topics: Nutrition, fitness, drugs and drug abuse, the truth about alcohol, the truth about tobacco, STDs and reproduction, as well as first aid and CPR.

M0090

PHYSICAL EDUCATION

Grades 9-12

Credits: 0.5

This course is designed to provide students with an opportunity to develop and enrich their physical fitness level. Individual and team sports will be stressed. Instruction will involve techniques and sports rules. Weight room work will provide the student a structure to improve their strength and fitness levels. This class will help student fitness level, improve sports skills and promote sportsmanship through the team activities.

M4900

CONDITIONING & WEIGHT TRAINING

Grades 9-12

Credits: 0.5

This course is designed to provide students with an opportunity to develop and enrich their physical strength and fitness level. Instruction and refinement of weightlifting techniques will be stressed. An individualized program is available to provide the student with a framework to improve their strength and fitness levels. This class will help prepare students for the physical demands of interscholastic sports as well increasing flexibility and agility.

M4903

CONDITIONING II - 5K

Grades 9-12

Credits: 0.5

This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, basic running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. This class will culminate with the successful completion of a 5K, 10K, or Half-Marathon race, depending on the student's preference. Students will take both a pre and post fitness assessment. Throughout this course students also participate in a weekly fitness program involving running, as well as elements of weight training and flexibility.

RELIGION DEPARTMENT

P1011

CHRIST IN SCRIPTURE

Grade 9

Credits: 0.5

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

P1012

PERSON OF JESUS

Grade 9

Credits: 0.5

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

P2011

MISSION OF CHRIST 1

Grade 10

Credits: 0.5

The purpose of this course is to help students understand all God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

P2012

MISSION OF CHRIST 2

Grade 10

Credits: 0.5

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

P3011

SACRAMENTS

Grade 11

Credits: 0.5

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail to learn how they may encounter Christ throughout life.

P3012

LIFE IN JESUS CHRIST

Grade 11

Credits: 0.5

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

P4011

HISTORY OF THE CATHOLIC CHURCH

Honors Points for Senior Religion: 2 ("B" or better)

Grade 12

Credits 0.5

The purpose of this course is to supply the students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2,000 years of history and about how the church is led and governed by the successors of the Apostles.

P4012

CATHOLIC SOCIAL TEACHINGS

Honors Points for Senior Religion: 2 ("B" or better)

Grade 12

Credits 0.5

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

Student Service & Senior Service Seminar

G4000

SENIOR SERVICE PROJECT

Grades 9-12

Credits: 0.5

A companion to all religious learning, students will live out Christ's call to service, acknowledging that service is an integral part of the baptismal commitment. Service is a graduation requirement at Muskegon Catholic Central. The details of each academic year's service requirements can be found in the Muskegon Catholic Service manual. In order to successfully earn service credit at the end of a student's senior year, a student must have shown that they successfully completed each year's worth of service requirement for their four years at Muskegon Catholic Central. The Campus Ministry department will oversee and verify the completion of all service requirements.

SCIENCE DEPARTMENT

4.5 credits of Science are required in the Honors program, and strongly recommended for all other students. All students who have four credits of Science will receive 2 Honors points for successfully completing Anatomy/Physiology and/or Physics with a B or Better. If students are interested in the Science Honors program, they need to test into it. Honors tests are usually given in the Spring for enrollment in the following year's honors program.

D0091/D0092

BIOLOGY

Grade 9

Credits: 1

In Biology, students will explore the following topics with the goal of gaining a greater understanding of the living world: introduction to Biology, classification and taxonomy, animals, plants, cell structure and function, cell energy, cell transport, Biochemistry, cell reproduction, DNA and genetics, Biotechnology, Evolution, and Ecology.

D0101/D0102

INTEGRATED SCIENCE

Grade 10

Credits: 1

In Integrated Science students will explore the following topics with the goal of mastering introductory chemistry concepts while reviewing important earth science, physical science, and biology concepts: doing science safely, atomic structure, elements and compounds, states of matter, properties of matter, the periodic table, nomenclature, physical changes, chemical changes, balancing reactions, bonding, molarity, and mixtures.

D0103/D0104

INTEGRATED SCIENCE HONORS

Honors Points: 2

Grade 10

Credits: 1

In Integrated Science Honors students will explore the following topics with the goal of mastering introductory chemistry concepts while reviewing important earth science, physical science, and biology concepts: doing science safely, atomic structure, elements and compounds, states of matter, properties of matter, periodic table, nomenclature, physical changes, chemical changes, balancing reactions, bonding, molarity, and mixtures. This course is designed for the highly ambitious or scientifically curious sophomore. The emphasis is more on the chemistry side of the physical sciences although earth science and physics will play vital roles in this class. Students are expected to go on to AP Chemistry as a junior and then take either Anatomy or Physics or both in their high school career. ***PREREQUISITE: Honors Application/Department Approval***

D0111/D0112

CHEMISTRY

Grade 11- 12

Credits: 1

This course is designed for students who have some interest in science but feel it can be a little intimidating with “the entire math”. Students will strengthen student quantitative reasoning and problem solving skills, be held accountable for their own learning, and learn the year’s curriculum so that they have a solid foundation in chemistry so that they are not intimidated to move on to the next level of science in High School or college.

D0121/D0122

PHYSICS

Honors Points: 2 (“B” or better and at least 4 science credits)

Grade 11-12

Credits: 1

This course is designed for qualified students who have a strong interest in science. A strong emphasis is put on the fact that Physics is a college prep course designed to bend the minds of students. Students will strengthen quantitative reasoning and problem solving skills, be held accountable for their own learning, learn the year’s curriculum so that they have a solid foundation in physics and develop habits and lab skills equivalent to those of college freshmen.

D0115/D0116/D0117

ADVANCED PLACEMENT (AP) CHEMISTRY

Honors Points: 3

Grades 11- 12

Credits: 1.5

This course is designed for qualified students most of whom have a strong interest in science. For some students this is their first time to be in a class where they are required to really think, where memorization and “being smart” is not enough. A strong emphasis is put on the fact that AP Chemistry is a college-level course designed to take the place of two semesters of freshman Inorganic Chemistry, and therefore is fast paced. Students will strengthen quantitative reasoning and problem solving skills, be accountable for their own learning, learn the year’s curriculum so that they have a solid foundation in college chemistry or test out of college chemistry, and develop habits and lab skills equivalent to those of college freshman. Students are encouraged to take the national Advanced Placement Test in May. Passing the test with a score of 3, 4 or 5 provides an opportunity to gain advanced placement and/or credit, according to the policy of the student’s selected college.

PREREQUISITE: *Honors Application/Department Approval*

D0125

ANATOMY AND PHYSIOLOGY A

Honors Points: 1 (“B” or better, and at least 4 science credits. If not on Honors track, must take both A & B to receive Honors points.)

Grades 11-12

Credits: 0.5

Anatomy & Physiology is a course in which students explore scientific knowledge that is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. In the science classroom, student work includes: the process of homeostasis and the essentials of human function at the level of genes, cells, tissues, and organ systems. At the conclusion of this course (A & B), students should be able to understand the structure, organization, and function of the various components of the healthy human body in order to apply this knowledge in all health-related fields. This course includes ample laboratory experiences that illustrate the application of the standards to the appropriate cells, tissues, organs, and organ systems. Students should be able to use basic laboratory equipment such as microscopes, balances, and pipettes. Anatomy A will include topics of biochemistry, cells, tissues, skeletal system, integumentary system, muscular system, nervous system, digestive system and the special and somatic senses.

D0126

ANATOMY AND PHYSIOLOGY B

Honors Points: 1 (“B” or better, and at least 4 science credits. If not on Honors track, must take both A & B to receive Honors points.)

Grades 11-12

Credits: 0.5

Anatomy & Physiology is a course in which students explore scientific knowledge that is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Student work includes: the process of homeostasis and the essentials of human function at the level of genes, cells, tissues, and organ systems. At the conclusion of this course (A & B), students should be able to understand the structure, organization, and function of the various components of the healthy human body in order to apply this knowledge in all health-related fields. This course includes ample laboratory experiences that illustrate the application of the standards to the appropriate cells, tissues, organs, and organ systems. Students should be able to use basic laboratory equipment such as microscopes, balances, and pipettes. Anatomy B will include topics of biochemistry, cells, endocrine system, cardiovascular system, immunity, respiratory system, digestive system and the reproductive system.

SOCIAL STUDIES DEPARTMENT

If students are interested in the Social Studies Honors program, they need to test into it. Honors tests are usually given in the Spring for enrollment in the following year's honors program.

C0091/C0092

U.S. HISTORY

Grade 9

Credits: 1

Students will study the essential historical themes in the context of American history. This course will look at the exceptional people in our history, America's important place in the world and how our Constitution and other important documents have shaped our history. This course will offer a review of American history to the 1900's then offer an in-depth look at the key events in American history from Industrialization to the present.

C0095/C0096

U.S. HISTORY HONORS

Honors Points: 2

Grade 9

Credits: 1

Students will study the essential historical themes in the context of American history. This course will look at the exceptional people in our history, America's important place in the world and how our Constitution and other important documents have shaped our history. This course will offer a review of American history to the 1900's then offer an in-depth look at the key events in American history from Industrialization to the present. As an honors class, students will be asked to write analytically, study concepts and ideas more in depth, and read outside of the textbook.

C0101/C0102/C0103

AMERICAN GOVERNMENT

Grade 10

Credits: 0.5

Students who take American Government will expose themselves to the Principles of Government by introducing themselves as what the goals of government should be. Is government necessary? In addition, students will learn about the different forms of government and the concepts that are involved within it. Students will learn the differences of their duties and responsibilities as citizens which range from serving on a jury to participating in civic life. American Government students will study the origins of American Government by learning the Political Beginnings, the Coming of Independence, and the Critical Period including the creation of the Articles of Confederation, Creating the Constitution, and Ratifying the Constitution. Students will take an in-depth look at the United States Constitution and studying the basic principles, the formal amendment process along with understanding the importance of how powers are divided and how our national and state governments are organized. Students will study political parties, voters and voter's behavior, and the electoral process in order to become a citizen who understands what their involvement in civic government is.

C0101/C0102/C0103

ECONOMICS

Grade 10

Credits: 0.5

The study of economics' principles and policies will help students become better decision makers—by helping students develop a way of thinking about how to make the best choices for themselves. Students will learn that there is “no free lunch” because resources are limited and virtually everything we do has a cost, even when it seems as if we are getting something “for free.” We live in a world of relatively scarce choices and this presents 3 questions students need to consider, such as: what to produce, how to produce, and from whom to produce. Students will also study the circular flow of economic activity. Students will develop their understanding of the important role in society they are a part of by one day providing labor for income, then spending one's income in order to buy goods and services. Students will learn why and how they make the economic choices they do by the decision making they make on a daily, weekly, monthly and yearly process. Students will study different economic systems and how those systems deal with decision making on a global basis. The social and economic goals of the United States include economic freedom, economic security, and economic equity which will affect one's financial security and freedom to carry out one's economic choice. Types of business organizations are studied along with advantages and disadvantages of each and the supply and demands which apply to all people throughout the world. Economics will be one class to keep students informed in how our country and world operates with goods and services available, and for how long.

C0105/C0106/C0107

AMERICAN GOVERNMENT & ECONOMICS HONORS

Honors Points: 2

Grade 10

Credits: 1

Students will learn about the different forms of government and the concepts that are involved within it. Students will take an in-depth look at the United States Constitution and study the basic principles, the formal amendment process along with understanding the importance of how powers are divided and how our national and state governments are organized. Students will study political parties, voters and voter's behavior, and the electoral process in order to become a citizen who understands what their involvement in civic government is. The study of economics' principles and policies will help students become better decision makers—by helping students develop a way of thinking about how to make the best choices for themselves. Students will develop their understanding of the important role in society they are a part of by one day providing labor for income, then spending one's income in order to buy goods and services. Students will study different economic systems and how those systems deal with decision making on a global basis. Honors students will also be introduced to the AP Comparative Government format for researching current events and becoming better critical thinkers in this content area.

PREREQUISITE: *Honors Application/Department Approval*

C0105/C0106/C0107

ADVANCED PLACEMENT (AP) US HISTORY

Honors Points: 3

Grade 11 & 12

Credits: 1.5

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and

culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. The nine historical periods are studied with corresponding textbook chapters and headings. Most of the class time will focus on lecture, discussion, essay writing, and primary/secondary source analysis. Students will be required to participate in discussions to supplement and enrich their learning experience.

PREREQUISITE: *Honors Application/Department Approval*

C0121/C0122

WORLD HISTORY

Grade 11& 12

Credits: 1

In this required course, students will explore World History beginning with the first civilizations of the Middle East through modern Europe. Along the way students will focus on Mesopotamia, China, Greece, Rome, the Middle Ages and more. Key historical events, people, cultures, religions and locations will be studied in light of how they helped shape the world as students know it today.

C0125/C0126

WORLD HISTORY HONORS

Honors Points: 2

Grade 11 & 12

Credits: 1

In this course, students will explore World History beginning with the first civilizations of the Middle East through modern Europe. Along the way students will focus on Mesopotamia, China, Greece, Rome, the Middle Ages and more. Key historical events, people, cultures, religions and locations will be studied in light of how they helped shape the world as students know it today. As an honors class, students will be asked to write analytically, study concepts and ideas more in depth, and read outside of the textbook.

PREREQUISITE: *Honors Application/Department Approval*

C4011

POLITICAL SCIENCE

Grade 11 & 12

Credits: 0.5

In this course students will apply their knowledge of American government, history and economics to several different areas: economic, foreign and domestic policies, current issues and world events. This course will be taught thematically. (If you did not take AP US History, Political Science is a graduation requirement.)

PREREQUISITE: *American Government and Economics*

WORLD LANGUAGES DEPARTMENT

F0091/F0092/F0093/F0094

SPANISH I

Grades 9-11

Credits: 1

This introductory language course is devoted to developing the skills of listening, speaking, reading and writing in Spanish. By working with the teacher, classmates and recorded material, the student gradually learns to recognize and adapt text material into everyday conversation. A variety of audio/visual aids and current technology are used to acquaint the student with the people and countries where the language is spoken.

F0105/F0106

SPANISH II

Grades 10-12

Credits: 1

This language course continues to build on the foundation of basic communication skills learned in Spanish 1. This course will work on refining the development of literacy skills- listening, speaking, reading and writing in Spanish. By working with the teacher, classmates and a variety of other mediums for authentic language exposure the student will begin to be able to narrate through speech and writing as well as interpret information spoken and written while building vocabulary. A variety of teaching aids and current technology are used to acquaint the student with the people and countries where the language is spoken.

PREREQUISITE: *Successful completion of Spanish I*

F0111/F0112/F0113

SPANISH III

Honors Points: 2

Grades 10-12

Credits: 1

The course begins with a review of essential Spanish I & II skills. Emphasis is on communicating in Spanish through speaking, listening, reading and writing in various verb tenses. Students also study Hispanic culture, geography and history. Students participate in individual, paired and group activities as well as complete written and oral exercises to practice new vocabulary and grammar concepts. Students will be introduced to higher level vocabulary and newspaper/magazine articles from Spain and Latin America. The focus is to increase student ability to communicate in Spanish with ease and confidence.

PREREQUISITE: *Successful completion of Spanish II with at least a grade of B-.*

F0121/F0122/F0123

SPANISH IV

Honors Points: 2

Grades 10-12

Credits: 1

Spanish IV is designed to be an overall review and expansion of the basic skills of Spanish. It is intended to increase accuracy and consistency in reading, listening, and writing, and to develop oral proficiency. Grammar study & practice will be more in-depth, and students will read authentic articles & literary selections. They will obtain more practice writing in the target language, including journaling & short compositions. Mini oral presentations will occur on a regular basis; for example, giving a summary of a news article from an on-line source. Hispanic culture will continue to be studied, as well as current events in Spanish-speaking countries.

PREREQUISITE: *Successful completion of Spanish III with at least a grade of B-.*

MISCELLANEOUS ELECTIVE OFFERINGS

B4899

FILM ANALYSIS

Grades 10-12

Credits: 0.5

Film is a part of everyday life for most of us. We watch movies on Netflix, we rent movies online, and we flock in large numbers to see new films open in the theaters. We all have our favorite and least favorite movie lists. We are quick to pass judgment and share our impromptu reviews. It is our familiarity with the world of film that becomes the purpose of film analysis. This course will teach students how to become active viewers or readers of film. Students will be introduced to the basic terminology and concepts used in the critical study and analysis of film and look at the aesthetic and ideological elements that make up the language of cinema. While numerous movies will be watched, this course will require students to watch and respond to the movies more closely than they may have previously.

C4900

AMERICAN / STREET LAW

Grades 9-12

Credits: 0.5

Street Law is a course that teaches practical law to high school students. The course is dedicated to empowering people through law-related education. Law-related education is a unique blend of substance and instructional strategies. Students learn substantive information about law, democracy, and human rights through strategies that promote problem solving, critical thinking, cooperative learning, improved communication and conflict resolution skills, and the ability to participate effectively in society.

C4901

PSYCHOLOGY

Grades 9-12

Credits 0.5

This course is a basic study to help a student think critically about psychological issues, and to help them apply what they learn to their own life and the world around them. In order to get the most out of this class, it is important that the students choose to read actively, because the more they are involved in their own learning, the more successful the course will be, and the more enjoyable, too. Students will study areas including Psychology in the news to read about media related to issues that will be discussed in the class. Students should be prepared to engage in exercises where they get involved by entertaining little experiments or explorations to demonstrate understanding of class concepts. In addition to critical thinking activities, students will be introduced to research about how psychological scientists do what they do. Several quizzes will be given to test one's understanding, retention, and ability to apply what they have learned from a chapter study. The end of each unit focuses on ways in which students can apply what they have learned to everyday concerns, such as how to boost motivation or improve memory.

C4902

GREEK/ROMAN HISTORY

Grades 9-12

Credits 0.5

This course studies the historical developments of the ancient Greek and Roman Civilizations. This class will provide an examination of the social, religious, economic, literary, artistic and military aspects of their culture. This course is designed to work in tandem with the course on Mythology which is being offered with the English department.

C4903

AMERICAN HISTORY THROUGH SPORTS

Grades 10-12

Credits: 0.5

This class will look at American history through the lens of sports. We will look closely at how college and professional sports impacted the course of American history. We will look at impactful sporting events and people to give students a different perspective of American History. This class will examine how sports have become such a powerful wave of social change as well as how social changes have impacted sporting events and the people allowed to play them. Sports helped end segregation and give a platform to many who would be ignored. Professional athletes words often echo across the globe, and many have used these to impact social change. The course will look at many primary and secondary sources to investigate the topics listed above.

C4904

CURRENT EVENTS

Grades 9-12

Credits: 0.5

Current Events is the study of the world around us. This class will examine the major political, economic and social events that shape our world. Students will explore the daily events in our world – foreign, domestic and local. It will also focus on the major, long running topics in the world, examine their root causes and study their effects. The exploration of these events will be done through news broadcasts, articles, social media and independent research.

C4906

AMERICAN MUSIC & POP CULTURE

Grades 9-12

Credits: 0.5

This course is designed for students to learn about popular music and culture and how it evolved over time, in response to historical events. The course will start with the turn of the century, then move into the cultural shift of the 1920s, the birth of rhythm and blues, the 1950s, Vietnam, the birth of hip hop in 1980s and much more. The focus of the course will remain on the major historical and social issues, such as racism, Jim Crow Laws, prohibition, Vietnam war protests, etc.

C4908

HUMAN GEOGRAPHY

Grades 9-12

Credits: 0.5

This course will focus on the who, what, where, why, when, and how about humans and their interactions with their surroundings. We will look at what each place is like today, how they got to that point, and what the future might hold based on geographic and human interactions. We will also study basic physical geography, as that greatly impacts the way people settle and live in certain areas. This course will help students understand why different places have different cultures, as well as see what current or future issues may arise based on the past.

F5101

MULTICULTURALISM

Grades 9-12

Credits: 0.5

The need for a concentration of study in international business at the high school level is becoming more important as economies of different countries and regions become interdependent. A basic knowledge of international business will better prepare students for many careers. This course is designed to make students aware of the global economy in which they live. It will enable them to investigate the need to explore career pathways on an international level and to become curious and accepting of the differences of the world around them.

F5102

ENTREPRENEURSHIP

Grades 9-12

Credits: 0.5

How do you turn your ideas into a business? Entrepreneurship will focus on areas such as Employability, Entrepreneurship and Economy, Marketing, Finances, and making a Business Plan. Learn some of the basics of business needed to be an Entrepreneur.

I5016

SOCIAL MEDIA MARKETING

Grades 10-12

Credits: 0.5

In the social media class we will look at the history and purpose of social media. The class will be project based and students will learn how to utilize social media for effective and purposeful communication. The 0.5 credit received will satisfy the required Visual, Performing & Applied Arts credit necessary for graduation.

MISCELLANEOUS COURSES

ACADEMIC SUPORT

N1011/N1012

ACADEMIC SUPPORT

Grades 9-12

Credits: 0.25

This class is designed to aid MCC high school students in areas of academic need. Students are placed in the class based on previous grades, test scores, teacher recommendation, and/or parent request. Although a class hour may contain several students, each is working on a support plan determined by his or her specific needs. Grades in the Academic Support class will be determined according to individual expectations.

PREREQUISITE: Department Recommendation and/or Counseling Office Approval

N4900

SAT PREPARATION

Grades 11

Credits: 0.5

This class will help students prepare for the SAT, which all juniors are required to take as part of the Michigan Merit Exam. Preparation will be in the areas of Math, Science, Language Arts, reading, and Writing. Students will learn standardized test-taking strategies, have extensive study in vocabulary, read and summarize recommended novels, take practice tests on-line, as well as take several practice exams, correct, and score them. College admissions and some scholarships (including MME) are directly related to the SAT scores.

ADVISORY

A0091/A0092/A0093, A0101/A0102/A0103, A0111/A0112/A0113, A0121/A0122/A0123

ADVISORY

Grades 9-12

Credits: 1

Advisory is a year-long mini-course designed to help balance academic life with future goals. With student success in mind, advisors will facilitate lessons on a variety of topics geared toward college and career readiness two times per week. Advisors will also be there to discuss student grades and academic progress, as well as any concerns students may have about their courses. By the end of the course students will be thinking about future goals and planning how to get there, developing skills and supports for academic and personal success, demonstrating motivation and a sense of purpose, and advocating for needs by regularly discussing achievement with school staff. The advisory program is mandatory for all students at Muskegon Catholic Central. Advisory is a 1 credit course that is part of the requirements for graduation. Students will be expected to participate in discussions and complete all class activities.

A0151/A0152/A0153

SCHOOL NEWS ADVISORY

Grades 9-12

Credits: 1

School News is a full-year course which provides students with an opportunity to interact with the MCC community. It is designed to teach the fundamentals of broadcasting & journalism while students serve the school in their role as a member of the School News team. Because the School news is a class, and the class is responsible for creating video content that contains accurate information in a way that demonstrates Catholic values, the most important qualifications are responsible behavior, willingness to work & learn in a group setting, and the ability to sacrifice personal desires for the larger group. Students interested will be required to fill out an application and maintain a grade of C- or better in all classes. This class includes time commitments outside of the normal school day.

Do we need to add Wings Advisory??

ASSISTANTS

N2011

OFFICE AIDE

Grades 11-12

Credits: 0.33

Office aides assist all staff in the Main Office. Office Aides may become involved in recording data, answering phones, duplicating and collating materials, filing, typing, delivering resources, assisting in the library, acting as receptionists, and completing teacher requests sent to the office. Space is limited to two students per block and assignment to office aide is based upon staff selection.

PREREQUISITE: *Staff Selection and Counseling Office Approval*

N2013/N2014

ELEMENTARY CLASSROOM ASSISTANT

Grades 11-12

Credits: 0.33

Seniors will assist elementary teachers of different grade levels. Course responsibilities consist of working one-on-one with students, facilitating small-group activities, providing assistance to the teacher and other appropriate duties as assigned. The elementary classroom placement will be assigned based on individual classroom need and high school student interest.

PREREQUISITE: *Approval from Counseling Office and interview with Elementary School Principal.*

N2015

YEARBOOK OFFICE AIDE

Grades 11-12

Credits: 0.33

Yearbook aides will assist with various components of the Yearbook class. These duties will include, but not be limited to, organizing files, reading and editing pages, and assisting with everyday business operations. Everyday business operations will include making phone calls and running errands off campus.

PREREQUISITE: *Instructor Approval*

LEADERSHIP

A0311/A0132/A0133

STUDENT LEADERSHIP

Grades 9-12

Credits: 1

Leadership is a full year course which asks students to take an active role in the MCC community. It is designed to teach the fundamentals of leadership while students serve the school in their role as a Student Council member. Because Leadership/Student Council is a class, and the class is responsible for organizing and completing many school activities, the most important qualifications are responsible behavior, willingness to work and learn in a group setting, and the ability to sacrifice personal desires for the larger group. Student Council's primary focus is school events and volunteerism. This class includes time commitments outside of the normal school day.

Prerequisite: *Student Council Position*

DUAL ENROLLMENT

Dual enrollment is a process by which high school students may enroll in college courses for high school and college credit. The Postsecondary Enrollment Option Act (PA 160 of 1996) establishes the opportunity for Michigan high school students to dual enroll in college courses at Michigan postsecondary institutions when certain criteria are met. High school students need to be continually challenged in order to maintain their academic interests and such challenges must include rigorous academic pursuits. Providing a wider variety of options to students by encouraging and enabling them to dual enroll assures new and exciting academic challenges. **Any Muskegon Catholic Central High School student who intends to pursue dual enrollment must complete, sign and return the MCC Postsecondary Enrollment Options (Dual Enrollment) Contract to the Muskegon Catholic Central High School Counseling Department with a completed dual enrollment course request form.**

Note: Dual Enrollment courses do not factor into a student's High School GPA, unless the course is being used to fill a graduation requirement. The course will count towards a student's CAP score points if it is a non-essential course for graduation. If it is a graduation requirement, it will not count for CAP score points but will be factored into their GPA.

Z1030/Z1040

AQUINAS COLLEGE BS245 PERSONAL FINANCE

Honors Points: 3

Grades 11-12

Credits: 1 credit *(1 High School credit is earned IF required for graduation only)*

Serves as a practical guide to individual money planning. Subjects covered include budgeting, investing, planning for taxes, insurance, consumer decisions, and retirement planning.

PREREQUISITE: *Accepted by Aquinas College*

CAREER TECHNICAL CENTER

CAREER TECH CENTER COURSES

Grades 11-12

Credits: 4 per year

Students are able to participate in classes through the Career Tech Center (CTC). These classes are held off campus either the CTC building, Muskegon Community College or at Nuvo School of Cosmetology. Students must provide their own transportation. Students will earn 4 credits for the year in each of the classes. Space is limited in these classes, therefore placement in the requested class cannot be guaranteed. Students selecting a CTC class will register for only 4 additional credits. Students interested in a CTC class should contact the Counseling Office during the February/March registration.

The following classes are offered through the CTC:

	English	4 th Math Related	Visual Performing & Applied Arts	20 Hour Online Experience
Allied Health Technologies	X		X	X
Auto Collision/Refinishing		X	X	X
Auto Service Technology	X	X	X	X
Bio Tech & Engineering	X	X	X	X
Computer Aided Design		X	X	X
Construction Trades		X	X	X
Cosmetology			X	X
Criminal Justice	X		X	X
Electrical/Computer Technologies		X	X	X
Environmental/Veterinary Sciences	X		X	X
Graphic Production Technologies	X	X	X	X
Health Science Academy	X	**	X	X
Hospitality & Food Management	X	X	X	X
Internet, Network & Security Technologies	X	X	X	X
Machining/Engineering Tech		X	X	X
Welding Technologies		X	X	X

* Please note that the changes to MMC laws allow ANY completed CTE program to meet the requirement for a 3rd Science credit. The classes marked above are delivering science content and the teachers are highly qualified in science.

** Math credit in this course may be earned IF students successfully complete the optional Pharmacy Tech certification.

NOTE: For any college athlete bound student, the NCAA does not accept CTC classes to count as their required core classes.

ARTICULATION AGREEMENT: College credit at Muskegon Community College or Baker College may be earned for the CTC classes. See the Counselor or CTC instructor for details.