

MERION MERCY ACADEMY - SUMMER COURSES 2018



High school level courses are offered on a credit or non-credit basis as described. Credits obtained and final grade (of credit courses) will be recorded on the student's high school transcript, but **the grade does not become a part of the student's GPA**. Course offerings are contingent upon sufficient enrollment. Courses are open to high-school boys and girls. **There are no classes scheduled on Tuesday, July 4.**

CREDIT COURSES

Biology CP (Pre-10th – Pre-12th)

One credit June 11– July 13 5 weeks

Please see description in the online course of studies guide.

Students will be required to complete a science fair project for this course.

Tuition: \$880

8:30 AM – 12:30 PM

Chemistry CP (Pre-10th - pre-12th grades)

One credit June 8 – July 13 5 weeks

Please see description in the online course of studies guide.

Students will be required to complete a research project for this course.

Tuition: \$880

8:30 AM – 12:00 PM

Effective Writing (Pre-10th grade)

One-half credit June 12– July 12 (Tues., Wed., Thurs.) 5 weeks

Please see description in the online course of studies guide.

Prerequisite: At least a B+ in Literature and Writing 1A or at least an A in Literature and Writing 1 and Foundations in Writing. **English department approval is required.**

Tuition: \$570

8:30 AM – 12:00 PM

Geometry/Probability, Statistics and Analytical Geometry A (Pre-10th – Pre-12th grades)

One credit June 11– July 20 6 weeks

The first half of this course presents the concepts of Euclidean geometry and the relationship between geometry and algebra with an emphasis on analysis, logical reasoning and the observation of patterns. Topics will include polygons, parallel and perpendicular lines, congruence and similarity, quadrilaterals, transformations, circles, areas of circles and polygons, and volumes of solid figures. Right triangle trigonometry will be introduced. Algebraic skills will be needed to solve problems involving real world applications. The second half of the course presents topics of probability including permutations, combinations, probability of compound events, odds and probability distributions. Topics in statistics related to distributions of data and comparisons of sets are covered. In analytical geometry, the study of geometry using the coordinate plane will be explored and includes consideration of the properties of parabolas, circles, ellipses and hyperbolas. Graphing calculators and other technology is used in this course.

Tuition \$880

8:30 AM – 12:00 PM

Prerequisite: 85 or above in Algebra 2A and approval of current math teacher, or 95 or above in Algebra 2. **Approval of current math teacher is required.**

****Please note: Students registering for a credit level summer class must be in attendance for the entire course. One week's worth of semester/year material is normally covered each day of a summer course. If a student misses a class due to illness, a doctor's note is required. If makeup work is required due to a student's absence (extended illness, doctor appointments, vacation, day trip, etc.), an additional fee (\$40 per hour) will be assessed for time the teacher will be needed for tutoring, administering assessments, or overseeing labs, etc.**

ONLINE CREDIT COURSES

Students who wish to take an online course must receive permission from Miss Danovich. The online summer courses listed below are offered in conjunction with Mercy Education System and are open only to students currently enrolled in a Mercy high school. To be successful in an online course, students should possess the following skills: ability to organize, study, and learn in an independent environment; ability to work with others; effective written communication skills; technological capacity; critical thinking; desire to learn in a new medium; demonstration of patience; and commitment to learning. Students must have access to the internet and be willing to spend at least three hours per day on the course requirements.

The following courses all take place from June 18– July 20, 2018. Each course is ½ credit and has tuition of \$350.

American Government (Pre-11th and pre-12th grades)

Fulfills one semester Social Studies credit requirement for graduation

In this ½ credit course, students will study the foundation, theory, structure, and process of American government. Students will analyze the Constitution and learn the branches of government and their roles and functions. Through exploration of current governmental issues, public policy, and the responsibilities of citizenship, students will further develop their skills of critical analysis. (May be taken only if no other semester Social Studies course will be taken during the school year.)

Anatomy (Pre-10th, pre-11th, and pre-12th grades)

Fulfills one semester science credit requirement for graduation

In this 1/2 credit course, lessons include an introduction to anatomy including language, organ systems, and types of tissues; study of the skeletal and muscular systems; study of the Cardiovascular and Respiratory Systems; study of the Digestive and Nervous Systems; and study of the urinary system and reproductive systems. Each lesson includes material to read and sites to access for information. Assignments require writing, analysis, critical thinking, and demonstration of core knowledge and concepts. Students participate in the Discussion Board sharing ideas on specified topics and questions.

Art History (Pre-10th, pre-11th, and pre-12th grades)

In this ½ credit course, students will study the visual arts in historical and cultural contexts. Through study and tours of virtual and real art museums and/or galleries, students will explore a variety of dimensions of artistic expression. Students will grow in the skill of critical analysis and be encouraged to deepen art appreciation.

Astronomy and Cosmology (Pre-10th, pre-11th and pre-12th grades)

Fulfills one semester Science credit requirement for graduation

Humans have gazed into the sky for thousands of years pondering how our lives have connected to the sun, moon and stars. From Einstein's Theory of Relativity, to the exploration of the delicate relationships between our Earth and the Sun, this course explores some of the major discoveries in astronomy and astrophysics. Topics of this ½ credit course include the history of the telescope, The Big Bang Theory, stellar evolution, comets and asteroids, planets and moons, astrobiology, black holes and quasars, and the role of Catholicism in science and the exploration of space.

Economics (Pre-11th and pre-12th grades)

Fulfills one semester Social Studies credit requirement for graduation

In this ½ credit course, students will study basic economic theory. Moreover, they will learn to apply basic economic concepts to real-world issues and problems. Knowledge of fundamental principles and application of theory will be addressed. Through this application, students will further develop their skills of critical analysis.

Environmental Science (Pre-10th, pre-11th and pre-12th grades)

Fulfills one semester of Science credit requirement for graduation

In this ½ credit course, students will explore the concepts and issues of environmental science. In addition, the course will include: the context of Earth as a Critical Concern of the Sisters of Mercy; reading and exploring the messages in Laudato Si, Pope Francis' encyclical on the environment and human ecology; and course content and processes that lead to greater knowledge and understanding of the environment, challenges to it, and potential solutions.

Fitness (Pre-10th, pre-11th, and pre-12th grades)

In this ½ credit course, the components of fitness, the F.I.T.T. principle and developing a personal fitness plan, fitness and safety, and healthy eating are the lessons included. Students will further develop their skills of critical analysis and be encouraged to strengthen and deepen appreciation for the need for fitness.

Health (Pre-10th, pre-11th, and pre-12th graders)

In this ½ credit course, students will learn about and research contemporary health issues. Students will be able to apply practices and habits that will enhance their general health. Using the four domains (physical, social, emotional, and intellectual) of health, students will be able to specify healthy and unhealthy practices within each domain. By recognizing and critically analyzing current health problems for adolescents, students will discover prevention techniques and solutions to implement into their own lives.

Introduction to Psychology (Pre-11th and pre-12th grades)

Fulfills one semester Social Studies credit requirement for graduation

In this ½ credit course, the focus will be on learning basic theories and principles of psychology. Four major areas of the study of psychology will be considered: Developmental Psychology, Cognition/Motivation and Emotions, Personality, and Social Psychology. Students will further develop their skills of critical analysis and be encouraged to strengthen and deepen their understanding of the field of psychology.

Music Appreciation (Pre-10th, pre-11th and pre-12th graders)

In this ½ credit course, students will study music in its historical and cultural contexts. Study will include a variety of genres and will include the works and contributions of significant artists and composers. Students will further develop their skills of critical analysis and be encouraged to deepen music appreciation.

Sociology (Pre-11th and pre-12th grades)

Fulfills one semester Social Studies credit requirement for graduation

In this ½ credit course, students will study sociology, the study of human society and social behaviors. Sociologists are mainly interested in the social interaction or how people relate to one another and influence each other's behavior. Students will further develop their skills of critical analysis and be encouraged to strengthen and deepen their understanding of human and social behavior.

Street Law (Pre-10th, pre-11th and pre-12th graders)

Fulfills one semester of Social Studies credit requirement for graduation

In this ½ credit course, students will explore the knowledge and skills necessary to live in a lawful society. Topics will include the differences in Civil and Criminal law. New and in development for summer 2018 a variety of resources will be used to enhance learning. This course is designed for students with an interest in the law and in a study of society.

World Geography (Pre-10th, pre - 11th and pre-12th grades)

Fulfills one semester Social Studies credit requirement for graduation

In this ½ credit course, students will study world geography. Study will include location, places and regions, physical systems, human systems, environment and society. Students will further develop their skills of critical analysis and be encouraged to strengthen and deepen their knowledge of the importance of geography in human affairs.

NON-CREDIT COURSES

Algebra 2 Prep (Pre-9th to pre-11th grades)

Non-credit

June 26 – July 14

3 weeks

Tuition: \$440

12:30 – 2:30 PM

This course provides a good review of Algebra 1 concepts. Students will also be introduced to some Algebra 2 material so that they will be prepared to be successful in Algebra 2. This Algebra review will also be helpful for the math portion of the SATs.

SAT Preparation (Pre-10th, pre-11th and pre-12th grades)

Advance Test Review's innovative two-week ACE Your SAT program puts students on track to get their best exam scores. Each trap and obstacle is turned into an opportunity for success. Topic overlap with the ACT will be pointed out. The SAT **Math** week targets number theory, arithmetic, geometry, algebra, trigonometry, and the mathematical and scientific reasoning required for top scores. **The Evidence-Based Reading and Writing** week focuses on vocabulary in-context, reading comprehension, reading for evidence, grammar, and essay writing. To help students continue their preparation throughout the summer and academic year, each ACE Your SAT enrollee will receive a self-study program.

SAT Math Preparation

Non-credit

June 18-20

3 days

9:00 AM – 12:00 PM

Tuition: \$195 (plus \$115 book and material fee paid to the instructor the first day of class)

SAT Evidence-Based Reading and Writing Preparation

Non-credit

June 25-27

3 days

9:00 AM – 12:00 PM

Tuition: \$195 (plus \$115 book and material fee paid to the instructor the first day of class)

**** Students taking both sessions are only required to pay the \$115 book and material fee one time.**

SPORTS CAMPS– ALL SKILL LEVELS WELCOME

Volleyball (Pre-10th grade)

Non-credit

August 6-9

4 days (Monday – Thursday)

Tuition: \$150

4:00-6:30 PM

Led by Merion Mercy's varsity volleyball coach, this clinic will help you to learn the basics of competitive volleyball. Students may enroll regardless of experience. Please bring a water bottle, knee pads, and sneakers.

REGISTRATION

All registration for summer classes will be done through our online system which allows families to manage student enrollment from any computer at any time. Registration is fast and safe. **To register online:** Go to www.merion-mercy.com/summerprograms and click on the registration button. You will create a new account, and be able to register more than one child and access your registration at any time. If you have registered for a summer class online in the past, please use your login information. An e-mail confirmation will be sent to your e-mail address.

A \$100 deposit is due for all programs by Thursday, March 8. Final payment is due by Thursday, May 24. For further information on any of these courses, or if you need assistance with the online registration, please contact Mrs. Barbara Harrison at Merion Mercy Academy (610-664-6655, ext. 120) or send an e-mail request for information to bharrison@merion-mercy.com.