Summer @ Carondelet 2017 --- Course Catalog

Advancement: Course work that helps students get ahead and earn credits toward Carondelet High School's graduation requirements.

Remediation: Courses designed to assist students in achieving expected competencies in core academic subjects that were not met in previous academic year(s).

Advancement		**Remediation**	
Civics Blended	Semester	Algebra 1	Semester 1 or 2
Biology	Semester	Biology	Semester 1 or 2
Geometry	Yearlong	Chemistry	Semester 1 or 2
Lifetime Activities	Semester	Geometry	Semester 1 or 2
Psych Realism	Semester	Physics 9	Semester 1 or 2
World Art	Semester		

Advancement **Biology Summer Prep** Semester (5 Units) June 12 – July 21	*Upon successful completion of the Summer Biology Preparatory Class (A- or above) students will have the option of entering AP Biology during the 2017-2018 school year; 5 elective credits can be earned and calculated into the Carondelet GPA.* This course is a standards-based, rigorous study of the biological sciences. The course will include a broad spectrum of topics, including evolution and the diversity of life, cellular energetics, genetics/heredity and biological systems interactions. The course builds upon the physics and chemistry principles covered in earlier science classes and will include inquiry based lessons and classroom activities to reinforce these concepts. Information obtained in this class is designed to emphasize the acquisition of essential science content that will be later used in AP Biology. Come ready to think critically, engage in discussion and ask questions! This class is a non-UC approved class. Prerequisite is successful completion of Chemistry with an A, and successful completion of Chemistry Honors with an A- or above. **Required eTextbook distributed through Schoology**

Advancement **Civics Blended** Semester (5 Units) June 12 – July 28	This course introduces students to American government and politics through examination of the nature of the American political system, its historical development, and its contemporary practice. The course examines the processes and institutions through which the political system functions and the public policies that these institutions initiate and develop. The blended learning structure is designed to prepare students for college courses. Students are required to be much more self-motivated in order to keep up with the workload between in-person class meetings. Students will periodically meet in small discussion groups of about 15 and must be willing to thoughtfully contribute to discussion. **No required textbook**
Advancement **Geometry*** Yearlong (10 Units) June 12 – July 21 Also offered at our satellite campus at St. Raymond's in Dublin	This course explores relations involving angles, parallel and perpendicular lines, planes, circles, triangles, and polygons. The basics of logic are introduced and the deductive proof-writing process is developed. Solving skills that the student learned in Algebra 1 will be used throughout the course. A TI-83/84 calculator is required for this course. Prerequisite is successful completion of Algebra 1 with 90% or above, or successful completion of Algebra 1 honors with an 80% or above. The course only feeds into Algebra 2 with Trig. **Required Textbook:** McGraw Hill Geometry Common Core Edition (iBook)
Advancement **Lifetime Activities** **/ Physical Fitness** Semester (5 Units) June 12 – July 21	This course will introduce students to a variety of activities which they can choose to pursue for recreation. These lifetime activities may include: aerobics/step aerobics, cardio kickboxing, dance, Tae-Bo, yoga, Pilates, jump rope, strength conditioning, walking/running, golf, tennis, badminton, ultimate Frisbee, and orienteering. Students will learn the health benefits of physical activity, components of fitness, as well as principles of training and general workout design. **No required textbook**
Advancement **Psych Realism - Blended** Semester (5 Units) June 12 – July 28	Using basic psychological concepts of Freud, Jung, Adler, and Kohlberg, this course aims to make the students aware of the uniqueness of every individual and to sharpen understanding of self and others. Students will deal with psychological realism as evidenced in character behavior in novels and plays. The course is designed to expand rhetoric, sharpen grammar, and hone the critical and analytical skills of students as they apply psychological theories in analyzing character motivation. There will be continued emphasis on advancing skills in reading, writing, listening, speaking, critical thinking and ability to synthesize. **Required Textbooks** Demian 9780486414133 One Flew Over the Cuckoo's Nest 978-0141181226 Silence of the Lambs 9780312195267 Hamlet 9780743477123
Advancement **World Art** Semester (5 Units) June 12 – July 21	Through the art that is created, students will be introduced to a variety of cultures and societies around the world. Students will produce a series of projects looking at the essential aesthetic qualities that are characteristic of the given culture. Varied media will be explored as students increase awareness of different art forms and the cultures responsible for these forms as well as the materials used for their creation. **No required textbook**

Remediation **Algebra 1** Semester 1 or 2 June 12 – July 17	This college-preparatory course in Algebra covers the traditional topics of Algebra 1: symbols and sets, variables, linear equations, the algebraic properties, inequalities, polynomials, fractional equations, systems, graphing, quadratic equations, and irrational numbers. Whenever possible, there is an emphasis on word problems. A TI-83/84 calculator is required for this course.

	Required Textbook: **McGraw Hill Algebra 1 (iBook)**
Remediation Biology Semester 1 or 2 June 12 – July 17	This study of life course covers a broad spectrum of topics including the structure and function of cells, biochemistry, genetics, evolution, human anatomy and physiology, the interrelationships between all living things, and current events in life science. The course builds upon the physics and chemistry principles covered in earlier science classes and will include inquiry based lessons, laboratory work and classroom activities to reinforce these concepts. Come ready to think critically, engage in discussion and ask questions! **Required Textbook:** **Miller & Levine Biology (iBook)**
Remediation Chemistry Semester 1 or 2 June 12 – July 17	Topics for this class include atomic structure, electron arrangement in atoms, periodic table, properties of gases, liquids and solids, acids and bases, nuclear and organic chemistry. Using inquiry to develop understanding, students will develop good methods of problem solving and proper laboratory techniques. Students will acquire understanding of scientific concepts, knowledge of scientific facts and proficiency in scientific process skills. Computer simulations and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both quantitative and qualitative information. Come join in the chemistry fun - the mole the merrier! **Required eTextbook distributed through Schoology**
Remediation Geometry Semester 1 or 2 June 12 – July 17	This course explores relations involving angles, parallel and perpendicular lines, planes, circles, triangles, and polygons. The basics of logic are introduced and the deductive proof-writing process is developed. Solving skills that the student learned in Algebra 1 will be used throughout the course. A TI-83/84 calculator is required for this course. **Required Textbook:** **McGraw Hill Geometry Common Core Edition (iBook)**
Remediation Physics 9 Semester 1 or 2 June 12 – July 17	Have you ever stopped to wonder how the electricity in your home, the hot water in your faucet, the continuous crash of waves at the beach, the bounce of a basketball or the flight of a softball can be explained by the laws of physical science? If so, this course will enlighten you and start a personal journey that will enable you to go as far as your imagination and willingness to work hard will allow. In this course, students will use guided inquiry labs to explore common, everyday phenomena, make predictions, conduct experiments, draw conclusions and foster scientific thinking. They will practice data collection and graphing techniques, apply mathematical skills to real situations, and work to make sense of their observations. The emphasis is on conceptual understanding, but the course shares goals with Algebra of solving equations, interpreting graphs, and reasoning proportionately. Topics of study may include motion and forces, conservation of energy and momentum, heat and thermodynamics, optics, sound and wave motion, and electricity and magnetism. The course builds on middle school physical science and provides a strong foundation for chemistry and biology. **Required eTextbook distributed through Schoology**