

Carlynton Cyber Academy

Program of Studies



Carlynton Cyber Academy

Grades 7 and 8

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The Program of Studies

The Program of Studies should be used to plan a course of studies for junior high school. Each course offered is listed by department including a brief description of the course and corresponding credit. Teachers are assigned to a course after student scheduling is complete. Do not plan your course selection assuming that a teacher will be assigned to a particular course.

Many of the courses offered have specific requirements which may include prerequisite courses and the achievement of a specific percentage grade. These specific requirements are listed either by course or by department. Another important aspect to consider is that not all elective courses listed in the Program of Studies run each year. Make sure you choose an alternate selection if a class is not available.

Please review your course selections with your parents or guardian considering your own success and aptitudes, teacher recommendations, and plans for post-graduation.

ENGLISH

ENGLISH 7

Seventh grade English is a course designed to develop the reading, writing, speaking and listening skills of students entering Carlynton Jr./Sr. High School. Students improve written communication skills by writing narrative, informative, and argumentative essays. Close reading of a variety of genres that are both fiction and nonfiction enables students to develop text dependent analysis skills.

ENGLISH 8

English 8 is a course that focuses on the continued development of reading, writing, listening and speaking skills using a variety of approaches. Through units devoted to the active reading of short stories, novels, and drama, the student will participate in activities and discussions in order to comprehend and analyze literature. Students will also learn to communicate effectively through written expression, including how to utilize textual evidence. Students are expected and encouraged to develop their skills each day with the emphasis upon mastery and success.

ACADEMIC ENGLISH 8

Academic English 8 is a course that challenges the student to explore the areas of literature, and refine grammar, writing, speaking and listening skills. Through units devoted to the active reading of short stories, novels, and drama, the student will participate in activities and discussions in order to comprehend and analyze literature. Students will also practice the skills involved in utilizing textual evidence. Students are expected and encouraged to develop their skills each and every day with the emphasis upon mastery and success.

SCHOLARS ENGLISH 8

Scholars English 8 is a course that involves the study and mastery of advanced concepts attendant to the language arts skills. Concentrated and accelerated areas of study will involve reading, writing, speaking, critical thinking, research, and listening skills. Students will also refine the skills involved in utilizing textual evidence. This course is for excellent readers who are independent, self-reliant, and highly motivated.

READING 7

Reading 7 is a required course designed to enhance and improve all reading skills. This course will provide targeted, systematic instruction for comprehension strategies and skills for developing reading independence. Targeted literacy skills such as context clues, author's purpose, affixes, predictions, text structure, making inferences, character and point of view will be addressed through the use of technology, direct instruction and the use of both literature and informational text. Instruction will focus on the foundational skills for reading (phonemic awareness, phonics, decoding/encoding) in addition to comprehension, vocabulary and writing.

READING 8

Reading 8 is a course designed to enhance and improve all reading skills. This course will provide targeted, systematic instruction for comprehension strategies and skills for developing reading independence. Targeted literacy skills such as context clues, author's purpose, affixes, predictions, text structure, making inferences, fact and opinion, sound devices, and paraphrasing will be addressed through the use of technology, direct instruction and the use of both literature and informational text. Instruction will focus on the foundational skills for reading (phonemic awareness, phonics, decoding/encoding) in addition to comprehension, vocabulary and writing.

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY I

World History I is a required course for all seventh grade students. The course is a survey of the growth and development of civilization and society from Mesopotamia to the Middle Ages.

WORLD HISTORY II

World History II is a required course for students in grade 8. The course focuses on human geography across the globe. Students will compare and contrast foreign cultures to American culture

MATHEMATICS DEPARTMENT

The Mathematics Department offers two levels of study to Carlynton students in the 7th and 8th grades.

The **Academic** level of study is designed for all students. The curriculum is aligned to the PA state standards.

The **Scholars** level of study is designed for the students who have demonstrated strength in mathematics. The curriculum for this level is based on the requirements of a student who is going to move through the Scholars level math classes throughout high school.

MATHEMATICS COURSE SEQUENCE

	Academic	Scholars
Grade 7	Math 7	Pre-Algebra
Grade 8	Math 8	Algebra 1-S

MATHEMATICS COURSE DESCRIPTIONS

MATH 7

This course prepares students for the seventh grade PSSA test. The five major topics covered include numbers and operations, measurement, geometry, algebraic concepts, and data analysis. An emphasis is placed on problem solving and test taking strategies.

Prerequisites: Placement based on math rubric as approved by the District.

Recommended placement for successive school year:

Algebra 1-S	95 – 100% ** and advanced 7 th grade PSSA Math score.
Math 8	60 - 94%
Math 7 <i>If student is held in 7th grade</i>	0 - 59%

** Placement into Algebra 1-S from Math 7 will require the completion of a summer assignment.

PRE-ALGEBRA

This is an accelerated math course for the seventh grade students who have fulfilled the placement requirement. See prerequisites for Pre-Algebra requirements. The course will prepare students for entry into Algebra 1-S and for the seventh grade PSSA test. The topics covered include numbers and operations, measurement, geometry, algebraic concepts, and data analysis. There is also a focus on the development of algebra and reasoning skills.

Prerequisites: Placement for Pre-Algebra Scholars based on 6th grade PSSA exam scores. final grade of 85 to 100% in 6th grade math, and teacher evaluations. Students must score proficient or advanced on the 6th grade math PSSA exam.

Upon completion of Pre-Algebra, recommended placement for successive school year:

Algebra 1-S	80 - 100% and a proficient or advanced 7 th grade PSSA Math score.
Math 8	60 - 79%
Math 7	0 - 59%

MATH 8

This course is designed to prepare the student for success on the eighth grade PSSA and to provide the student with the mathematical competency to transition into high school math. Topics studied begin with real numbers. Solving, graphing, and analyzing singular and systems of linear equations is studied next. Representing, constructing, and comparing functions and data follows. Geometry topics culminate the year with the study of congruence, similarity, right triangles, area and volume. Each unit is aligned to grade 8 common core standards for mathematical content and standards for mathematical practice.

Prerequisites: Successful completion of Math 7 with a grade of **60%** or higher.

Upon completion of Math 8, recommended placement for successive school year.

Algebra 1	60-100% and proficient/advanced on 8 th grade PSSA
Algebra Co-Taught	60 - 100% and a basic or below basic 8 th grade PSSA Math Score.
Repeat Math 8 <i>If student is held in 8th grade</i>	0 - 59%

ALGEBRA I - SCHOLARS

This is a highly-accelerated course for the eighth grade scholar student and is designed to prepare the student for success on two standardized tests, the eighth grade PSSA and on the Algebra 1 Keystone exam. Content begins with the study of real numbers. Solving, graphing, and analyzing singular and systems of linear equations is studied next. Representing, constructing, and comparing functions and data follows. The year is concluded with the study of polynomials, exponents, and radicals.

Prerequisites: Successful completion of Pre-Algebra with a grade of **80%** or higher and a proficient or advanced 7th grade PSSA Math score.

Upon completion of Algebra 1, recommended placement for successive school year:

Geometry-S	80 - 100%
Geometry	60 - 79%
Math 8 <i>If student is held in 8th grade</i>	0 - 59%

SCIENCE DEPARTMENT

SCIENCE 7

This is a full year course that will be broken down into parts. One unit of study involves using the scientific method, problem solving, measuring, using SI units, graphics, and converting between units. Another unit of study involves the classification of matter, atomic structure, the periodic table, properties of elements and chemical bonding. Then there is a unit of study involving motion, forces, energy, machines, and thermal energy. This course may contain quizzes, tests, and various activities that meet the academic standards and are used for evaluation purposes.

SCIENCE 8

This is a full year course that will focus on concepts to provide a strong foundation for students as they prepare for the Biology Keystone Exam. The course will focus on areas of study that will adhere to the assessment anchors and eligible content specified by Module A & Module B on the Keystone Exams. These include: Basic Biological Principles of Life, Biochemistry, Cell Structure and Function, Cell Transport and Homeostasis, Bioenergetics, Cell Growth and Reproduction, Genetics, DNA and Protein Synthesis, Evolution, Ecology. Homework, class activities, quizzes, projects, tests and labs may be used in the grading process.

HUMANITIES

WELLNESS I

This course offers extensive information on important issues facing our youth today. Topics addressed are wellness, healthful eating and nutrition, substance abuse - tobacco, alcohol and drugs, and communicable diseases including HIV/AIDS. In addition, students learn ways to cope with peer pressure and the challenges of everyday life.

WELLNESS II

This course offers extensive information on important issues facing our youth today. Topics addressed are mental and emotional health and stress management, healthy relationships, resolving conflict and preventing violence and HIV/AIDS. In addition, students learn ways to cope with peer pressure and the challenges of everyday life.

SPANISH 1

Designed to introduce students to the fascinating world of learning Spanish. The ultimate goal of learning a language is to be able to communicate with different peoples and cultures foreign to our own and to function in an environment that speaks that language. Therefore, basic grammar and conversation is taught through accomplishing real world tasks in conjunction with learning about the cultures of the Spanish-speaking world. Emphasis is placed on further building Spanish vocabulary, oral communication in real life situations, cultural understanding and awareness, listening comprehension, writing proficiency and the skills to succeed in a Spanish II course.

Prerequisites: This course is open to students in grades 9-12 who have achieved a 70% or higher in English. 8th grade students, who have scored proficient or advanced on the 7th Grade English PSSA and have earned a 70% or higher in both reading and English, may also elect to take Spanish I.

FRENCH 1

This class provides an introduction to the French language and culture of French speaking countries. Emphasis is placed on listening, speaking, reading, and writing French. In it, students will communicate in French as often as possible and demonstrate an understanding of practices, products, and perspectives of cultures of French-speaking areas.

Prerequisites: This course is open to students in grades 9-12 who have achieved a 70% or higher in English. 8th grade students, who have scored proficient or advanced on the 7th Grade English PSSA and have earned a 70% or higher in both reading and English, may also elect to take French I.

Physical Education 7

The fitness components of seventh grade physical education are comprised of health and skill-performance factors. Through specialized activities such as swimming, team and lifetime sports. Students will be expected to perform basic and complex movement patterns effectively. Each student is expected to interact with others in game situations, while demonstrating good sportsmanship, cooperation, courtesy and knowledge of game rules. A student log may be required to document the student's activities.

Physical Education 8

This course is structured the same as Physical Education 7, with skills taken to a higher level and additional activities introduced. A student log may be required to document the student's activities

ART 7

This course will trace the journey of art through time, from prehistoric to present day. Students will use knowledge of cultures and artistic styles to impact their own work. Projects are designed in a way which enables every student to achieve success and enjoy the art process. Students will gain an appreciation and awareness of the significance of art through time and be able to recognize artistic developments and styles and their connections to times and places. Students will also be introduced to various techniques and media, which they will apply in creating their own artwork.

ART 8

This course exposes students to the life and work of various artists from history and modern day. They will use this inspiration to express themselves in creating original artwork, using a variety of techniques and materials. Reading and writing strategies will be incorporated with hands on projects, including drawing, painting, and collage.

Digital Citizenship

Students develop essential study skills for academic success, such as staying organized, managing time, taking notes, applying reading strategies, writing strong papers, and researching and properly citing information. Explicit modeling and ample practice are provided for each study skill to support student mastery. Instruction on how to be a responsible online learner is threaded throughout the course, and these skills are directly addressed in lessons on cyberbullying, staying safe online, and becoming a digital leader. A basic understanding of software and hardware and how to troubleshoot common technology issues are also taught. By the end of the course, students will have the tools they need to be academically successful in both traditional and digital learning environments.