



SONORAN SCIENCE ACADEMY-BROADWAY – SUMMER 2009

Summer School Course Descriptions

MATH:

Math Wizard (Grades 3-5) (anyone taking Math 65 or Math 76 next school year)
 Enrollment limited to 15 students

Course Description:	Various principles and skills of mathematics will be taught. Number Sense, Data Analysis and Probability, Patterns, Algebra and Functions, Geometry, Measurement, Mathematical Structure and Logic will be included.
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	1:00-4:15 pm <i>(There may be also MORNING SESSION based on the number of students)</i> Room: 131
Cost:	\$220
Teacher:	TBA

Saxon Course 1 (Math 76) (Grades 4-6) (anyone taking Math 76 or Math 87 next school year)
 Enrollment limited to 15 students

Course Description:	In this course, students will learn; simplifying expressions containing parentheses, operations with signed numbers, graphing functions, word-problems, powers and roots, ratios and proportions, percents, fractions, decimals, and mixed numbers, divisibility concepts, prime factorization, estimation, real-world connections, integers, functions and unit multipliers.
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	9:00 am-12:15 pm <i>(There may be also AFTERNOON SESSION based on the number of students)</i> Room: TBA
Cost:	\$220
Teacher:	TBA

Saxon Course 2 (Math 87) (Grades 5-7) (anyone taking Math 87 or Algebra 1 next school year)
 Enrollment limited to 15 students

Course Description:	This is a pre-algebra course to prepare students for high – level math courses. They will review previous courses (such as word problems, powers and roots, ratios and percents, prime factorizations, unit multipliers, data collection and analysis). Students will also learn measurements, scientific notation, graphing functions, quantitative comparisons, balancing equations, transformation of formulas, literal equations, algebraic terms, irrational numbers, factoring algebraic expressions, substitution graphing linear equations and inequalities.
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	9:00 am-12:15 pm <i>(There may be also AFTERNOON SESSION based on the number of students)</i> Room: 125
Cost:	\$220
Teacher:	TBA

Algebra 1 (Grades 6-8) (anyone taking Algebra 1 or Geometry next school year)

Enrollment limited to 15 students

Course Description:	This course covers topics typically treated in a first-year algebra course. The students use algebraic methods to explore, model and describe the patterns, relationships and functions. They also gain the ability to form and solve equations/inequalities using algebraic proofs, statistics, and probability.
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	9:00 am-12:15 pm <i>(There may be also AFTERNOON SESSION based on the number of students)</i> Room: 130
Cost:	\$220
Teacher:	TBA

SCIENCE

Hands-on Science (Grades 5-8)

Enrollment limited to 15 students

Course Description:	Hands-on Science is a very educational and fun class which enables students to apply their knowledge with the latest technology experiment materials. The students will enjoy and learn this summer and have the opportunity to take a closer look to the concepts and their real-life applications in a hands-on program. This course aims to reinforce some Earth Science, some Physical Science, some Life Science, and some Chemistry knowledge which the students have learned throughout 2008-2009 academic year. There will be also Field trips to museums, National parks, and universities. Most of them will be in-town field trips and some might be out of Tucson. Extra fees may apply for the costly trips if organized. (i.e. Grand Canyon Field Trip)
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	1:00 -4:15 pm Room:129
Cost:	\$220 (Extra fees may apply for the costly trips if organized)
Teacher:	TBA

COMPUTER & TECHNOLOGY

Web Design (Grades 7-12)

Enrollment limited to 15 students

Course Description:	This one course is designed to familiarize students with the creation and management of web pages and web sites. Students will be introduced basic html structure and formatting, web page creation using Macromedia Dreamweaver, and image creation and alteration using Macromedia Fireworks and Flash.
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	1:00 -4:15 pm Room:116
Cost:	\$220
Teacher:	TBA

First Lego League (Ages 6-9)

Enrollment limited to 15 students

Course Description:	Continuation of the regular Lego League offered in 2008-2009 Academic year. New students are welcomed. The team will be prepared for the FIRST LEGO LEAGUE competitions during the 2009-2010 Academic year.
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	TBA
Cost:	\$220
Instructor:	TBA

LANGUAGE ARTS:

Skill Building & Strategies (Grades 4-8)

Enrollment limited to 15 students

Course Description:	Students will acquire and improve the use of essential skills from the Language Arts Curriculum: Writing Process using the Six Traits Rubric; Vocabulary Development; Reading for Comprehension & Evaluation; Using Graphic Organizers; Oral Presentation Techniques; Spelling Bee Procedures, Practice & Exposure
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	9:00 am-12:15 pm Room: TBA
Cost:	\$220
Teacher:	Sharon Houston

NON-ACADEMIC COURSES

Chess (Grades 3-8)

Course Description:	
Dates:	(4 weeks): June 1 through June 26 Days: Monday through Friday
Time/Location:	TBA
Cost:	TBA
Teacher:	TBA