



# 2011 SPRING & SUMMER EDUCATIONAL PROGRAMS

## MatheMagic

Your child will learn new ways to calculate that are not taught in school. You and your child will be amazed at how rapidly he or she will be able to compute sums, differences, products and quotients. Also covered are the quickest ways to work with fractions, to square and cube numbers, and also compute roots. This course is unique to the Speed School and was developed by our Director of Educational Programs, Vinny Madera. Our student-athletes are making enormous strides in Vinny's specifically designed classes including MatheMagic, SAT/ACT Prep, Single Subject SAT/ACT Prep, Speed Reading, AP Test Prep, Effective Note Taking (High School & College) and Time Management.

Level One: Arithmetic (Grades 1<sup>st</sup> – 6<sup>th</sup>)

Level Two: Algebra (Grades 6<sup>th</sup> – 8<sup>th</sup>)

## Classes

Class size: 6 – 8 Students

Cost: \$200/ Student

Location: Our instructors conveniently travel to a location of your choice, usually a student's home. The hosting parent receives complimentary instruction for one child.

## Chess

We are pleased to work in conjunction with the leading chess preparation team in Connecticut, EduTechnology, which was founded by our other Director, James "Captain Jim" Celone. Chess is a fascinating game, which can be played and enjoyed at all levels. Educational research indicates evidence of a strong positive correlation between chess and student academic performance. Multiple studies have shown that learning chess throughout the school years improves competence in mathematics and other cognitive development. The practical application of the skills learned while playing chess are the same skills necessary for academic excellence and lifelong success. Chess is an exercise of infinite possibilities for the mind, one which develops mental abilities used throughout life: concentration, critical thinking, abstract reasoning, problem solving, pattern recognition, strategic planning, creativity,



### Chess (continued)

analysis, synthesis, and evaluation, to name a few. Chess can be used very effectively as a tool to teach problem solving and abstract reasoning. Learning how to solve a problem is more important than learning the solution to any particular problem. Through chess, we learn how to analyze a situation by focusing on important factors and by eliminating distractions. We learn to devise creative solutions and put a plan into action. Chess works because it is self-motivating. The game has fascinated humans for almost 2000 years, and the goals of attack and defense, culminating in checkmate, inspire us to dig deep into our mental reserves.

### Classes

8 classes, each class is 1 hour

Class size: 10 students

Cost: \$120

Location: To be determined based on residency and convenience. Our instructors conveniently travel to a location of your choice, usually a student's home. The hosting parent receives complimentary instruction for one child.

### SAT/ ACT Preparatory Instruction

Start off with a free test to identify strengths & weaknesses as well as whether each student is better geared toward the SAT or ACT exam.

The SAT course is an 8 class, 20 hour course that will run up to a week before an actual SAT. Students will take 4 full length SATs and will receive detailed Score Reports outlining their strengths and weaknesses. As a parent, from the second test on, you will receive a Parent's Report analyzing their progress through the course and how your son or daughter compares to the median scores of up to 4 colleges or universities of your choice. The course will prepare the student for all three sections of the SAT, including the essay, by providing both techniques and reinforcing the necessary material tested by College Board. In courses that we ran last year, our students averaged a 290 point increase from their first to their last test.

The ACT course is a 10 class, 20 hour course which will include 4 full length tests. Similar to the SAT, students will receive detailed Score Reports after each test and parents will receive a Parent's Report outlining their student's progress and comparing their scores to the median scored of up to 4 colleges and universities of your choosing. The ACT is more curriculum based than the SAT and this course will focus on the numerous topics that the ACT tests, included the dreaded Science section and essay.



### SAT/ ACT Preparatory Classes

8 classes, 2 ½ hours each + practice exams

Class size: 8-10 students

Cost: \$500/ student

Location: To be determined based on your residence and convenience

### Hybrid SAT/ ACT Prep Class

### Single Subject SAT Prep Instruction (Math, Reading, Writing)

### SAT Subject Test Preparation

Good grades? Happy with your SAT/ACT scores? Why not give yourself that additional advantage with the SAT Subject tests! We have 10 hour courses for the Math I and Math II tests available at this time and we are looking to add more courses soon!

### AP Test Preparation

At this time, we are pleased to announce mini-courses to help prepare your child for the AP Calculus AB/BC test as well as AP Statistics. These courses will provide an overview of what is on both tests as well as some techniques to help optimize your score and get you that 4 or 5 that you want!

### High School and College Note-taking/Studying

Does your son or daughter feel unorganized? Does he or she feel that they have to study longer than their peers? If so, then this course is for you! This 2 hour course will test your son or daughter for their optimum learning style and then provide an overview of the most effective and recommended styles of note-taking at the college level. The course will also stress the importance of organization and help to find an ideal way for your son or daughter to study. Great in conjunction with the Time Management course!

### Time Management

Does your son or daughter feel that there are too few hours in the day to accomplish everything? Perhaps better time management is the key! This 90 minute class will help find your son or daughter's peak energy hours and show the importance of managing your time and setting priorities to accomplish your goals.

### Speed Reading

We are working on instituting a 4-6 hour speed reading course in the next few months. We will definitely keep you posted!

*All of these courses will be made available as a class or for one-on-one tutoring. Call to let us know which classes you are interested in and we will structure a curriculum to best suit your child.*