



## Class introduction-Dr.Zhang

### 章明老师课程介绍

Spring 2017

Houston HuaXia Main Campus

5925 Sovereign Dr., Suite 115.

Houston, TX 77036, 713-541-3339

SATURDAY

### Dr.Zhang

Dr. Ming Zhang graduated from University of Science and Technology of China and obtained his Ph.D. from Rice University with background in mathematics and computer science. He has worked as an assistant professor at M.D. Anderson Cancer Center and a financial advisor at Morgan Stanley. With over 15 years of algorithm development and trading experience, Dr. Zhang now enjoys teaching students in mathematics, statistics, physics, computer science and investments.

**Jan.14-May.14 (16 weeks)**

- Algebra ->9:30am-11:30pm Saturday
- AMC8/Mathcounts->12:00-1:30pm Saturday
- SAT/ACT MATH->1:30-3:30pm Saturday

#### To Register:

<http://www.houstonhuaxia.org>

[houstonhuaxia1@gmail.com](mailto:houstonhuaxia1@gmail.com)

## Algebra I and II

This course covers these topics in Algebra I and Algebra II: number systems and operations; variables and functions; linear functions, equations, and inequalities; polynomial, rational and radical functions; exponential and logarithmic functions; properties of function graphs; conic sections. Students will grasp the essence of algebra (I and II) and will be able to apply the skills of algebra in subsequent math courses and other subjects of physics, chemistry, statistics and statistics.

- Open to students in grade 7 through grade 9.

## AMC8/Mathcounts

This course is designed to stimulate enthusiasm and develop problem-solving skills in mathematics.

Topics include number theory; linear functions and non-linear functions; solving equations and inequalities; sequences and series; counting; probability; geometry in 2-dimension and 3-dimension; logic and reasoning; word problems.

Students are strongly encouraged and trained to think out of the box when encountered with challenging problems.

- Open to students in Grade 6 through grade 8 and advanced elementary school students

## SAT/ACT MATH

This course is designed to help students prepare for the SAT/ACT math tests. We will cover the topics of pre-algebra essentials; all topics and skills in algebra; geometry; probability and statistics; data analysis; and trigonometry. We also build the connection of math with other subjects as the new SAT/ACT tests put more emphasis on solving real life problems. With targeted and repeated practice, students will improve their problem-solving skills, gain their confidence in the studies and increase their test scores.

- Open to students in grade 8 through grade 11.