

CCC Chinese School

COURSE OUTLINE FORM

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Course Title: Mathematics – Math 1 - Math 8
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COURSE DESCRIPTION:

This series of mathematics courses use more advanced teaching materials to further learners' capabilities on top of what they have learned in the public schools. The teaching materials are meticulously chosen to align with the objective for each level – with reasonable challenges that can stimulate students to work hard on the math problems. The instructors are all excellent high school students who have excelled in previous math competitions, such as MATHCOUNTS and AMC. They also have accumulated ample experience through their coaching at the CCC weekend math club. We are looking to enroll the students who are interested in advancing in math and participating in the future math contests.

COURSE PREREQUISITE (S):

None but interest and commitment to learning math in a challenging class.

RATIONALE:

This series of mathematics courses is designed to stimulate interest in the learning of mathematics, to enhance learners' mathematical capabilities and to prepare the learners for future math contests, such as MATHCOUNTS and AMC.

TOPICAL UNIT OUTLINE:

Math 1 – For 1st Grade

- A. Teaching materials (handouts in classroom) – Star Maths
- B. Homework (handouts after class) – Sunshine Math

Math 2 – For 2nd Grade

- A. Teaching materials (handouts in classroom) – Star Maths
- B. Homework (handouts after class) – Sunshine Math

Math 3 – For 3rd Grade

- A. Teaching materials (handouts in classroom) – Star Maths
- B. Homework (handouts after class) – Sunshine Math

Math 4 – For 4th Grade

- A. Teaching materials (handouts in classroom) – Star Maths
- B. Homework (handouts after class) – Sunshine Math

Math 5 – Prealgebra

- A. For 5th, 6th and 7th grade, in prep for MATHCOUNTS
- B. “Prealgebra” published by Art of Problem Solving used as textbook.

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Math 6 – Introduction to Algebra

- A. For students who have taken Prealgebra
- B. “Introduction to Algebra” published by Art of Problem Solving used as textbook

Math 7 – Geometry

- A. For students who have taken Introduction to Algebra.
- B. “Geometry” published by Art of Problem Solving used as textbook.
- C. In prep for American Math Competition

Math 8 – Intermediate Algebra

- A. For students who have taken Introduction to Algebra.
- B. “Intermediate Algebra” published by Art of Problem Solving used as textbook.
- A. In prep for high level American Math Competition

Time: Every Sunday, 2:50 PM - 3:40 PM, total 25 classes (observing Chinese School Calendar 2023-24)

Location: 475 Watervliet Shaker Rd, Latham, NY 12110 (using Shaker Middle School’s facilities)