

CACC Chinese School Math Program for 2018-2019

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Math Classes for 2018-2019

- Math Olympiad (MO)
Level I, II, III, IV (no new student to MO-IV)
- Competitive Math (CM)
Level I, II, III, IV (?)
- Mathcounts & AMC 8
- American Math Competition 10 (AMC 10)
AMC-10 and PAIME

Math Olympiad (MO)

- Current class to grade level in general:
 - MO-101, MO-102 – Grade 4-5
 - MO-201, MO-202 – Grade 5-6
 - MO-301, MO-302 – Grade 6, 7, 8
 - MO-401 – Advanced Grade 6, 7, 8 who have completed MO level III,
- in class MO Test, once a month, 5 questions in one contest, 5 contests a school year
- Permit Required for class registration

Competitive Math (CM)

- Current class to grade level in general:
 - CM-101 – Grade 1-3
knowledge on addition/subtraction and good reading skill
 - CM-201 – Grade 3-5
knowledge on multiplication and division with remainders
 - CM-301 – Grade 5-6
knowledge on fractions, some percent and rates
 - CM-401 – Grade 6-8 (not enough for the Mathcounts/AMC 8 class) ???
- Permission Required for class registration

MO & CM (Differences)

Math Olympiad	Competitive Math
Target on 4 th – 8 th grade level	Target on 1 st – 8 th grade level
Focus on MOEMS Contest and related curriculum	Focus on all competition related concepts, step by step approach
Specific concepts focused in contest → direct class teaching in concepts	Covers all concepts. It might make some students feel hard to follow.
<ul style="list-style-type: none"> •MO I – covers basic problem solving strategies and contest taking skills, like pattern, sum, guess & check ... •MO II – covers Pattern and Sum, Factor and Prime, Divisibility Theorems, Writing an Equation, Basic Geometry and Measurement... •MO III – covers number sense & number theory, sequences & series, counting & probability, algebra, and geometry. •MO IV – advanced, focuses on MATHCOUNTS competition 	<ul style="list-style-type: none"> •CM I – focuses on comprehension of statements and logic, requires students to know addition /subtraction and have good reading skills. •CM II – requires students to be able to multiply and divide with remainder •CM III – requires students can work with fractions, some percents, rates, and are generally ready to set up simple equations •CM IV -- some basics of number theory, advanced counting, geometry, etc.,

Mathcounts & AMC 8

- Focuses on Mathcounts competition & American Math Competition (AMC) 8.
 - Aug – Nov: AMC 8 mainly
 - After Nov, focuses on Mathcounts (chapter is in Feb each year)
 - May include Mathcounts countdown problems
 - May include Bay Area Math Olympiad (BAMO) -- step by step prove problems
- Student requirement:
 - Mainly for middle school students who wish to improve skills in mathcounts and AMC 8 competition.
 - Students who has completed MO level 3 or CM level 3.
 - Students who are placed in MO level 4 or CM level through placement test
- Permission Required for class registration

Differences

MO level 4 vs Mathcounts/AMC 8

- MO level 4 class ---
 - Use MO teaching method
 - In class MO test
 - Mathcounts
 - No AMC 8 teaching

- Mathcounts/AMC 8 class ---
 - Mathcounts
 - AMC 8

AMC 10

- Focus on AMC 10 contest
- Level I (two classes) – focus on Q1-15
- Level II (PAIME) (one class) – focus on Q10-25
- There will be placement test on this class
- Permission required for class registration

Learning in Class

- Attend each class and participate in class
- Bring books, pencil, paper at each class ...
- Print out class material when needed
- Pay attention to teacher email for class teaching information and homework
- Do homework (try not to cramp on Saturday)
- Communicate with teachers for problems/concepts not understand

Placement Test

- Placement Test

4/15/18 – Sign ups see school information

Where to find the links? –pay attention to school email, Newsletter

No placement test after next school year starts. All per teacher recommendation

- Class Registration

Start in May – Watch Out CACC Chinese School Registration Email, Newsletter

Class Registration Sequence

--- very important to register ASAP
when receiving email to register

In General	Math Program
➤ 1 st group – Room Parents, Current Teachers	➤ 1 st group – teacher recommendation to move up in same program (especially MO-IV, no placement test)
➤ 2 nd group – Current Students	➤ 2 nd group – qualified current CACC students from placement test
➤ 3 rd group – Open to Public	➤ 3 rd group – qualified students new to CACC when space available
	➤ 4 th group – all qualified students when space available

AMC 10 placement

- Teacher recommendation to move up or stay in same class
- The importance to go through AMC 10 basic level class to learn concepts

CACC Organized Math Competition

Take name list online at CACC website

- AMC 8 – mid Nov each year
- AMC 10/12 – Feb each year (2 tests)
- Berkeley Mini Math Tournament
- Mathkangaroo – CACC host a testing site, but registration has to go through Mathkangaroo website, NOT CACC website
- BAMO (end of Feb, each year)

Other Math Competitions

- CACC School will only announce these competitions but not organize them – watch out CACC CS emails (individual & newsletters) and announcement on CACC website
- Mathleague.org contests

Additional Math Competitions (Middle School) ?

- Mission Math Regional (MagMaR) – hosted by Mission San Jose High School Math Club

-- Team of 4 students

-- CACC can form teams

<http://www.msjmath.com/magmar.html>

- Purple Comet – online competition (volunteer?)

<http://purplecomet.org/>