

Sierra Chinese School 2018-2019 **MO Basics** Class Teaching Plan

Fall Semester (topics are tentative, subject to change without notice)

2018-08-19	First day of Chinese school. First MO session, evaluation exam.	Week 01
2018-08-26	Basic Strategy #1: drawing a picture or diagram Basic Strategy#2: making an organized list	Week 02
2018-09-02	No school, Labor Day weekend	
2018-09-09	Basic Strategy#3: making a table	Week 03
2018-09-16	Basic Strategy#4: solving a simpler related problem	Week 04
2018-09-23	Basic Strategy#5: finding a pattern	Week 05
2018-09-30	Basic Strategy#6: guessing and checking	Week 06
2018-10-07	Review Test: strategy #1 - #6	Week 07
2018-10-14	Strategy 7: Experimenting Strategy 8: Acting Out the Problem	Week 08
2018-10-21	Strategy#9 working backwards	Week 09
2018-10-28	Strategy#10 writing an equation	Week 10
2018-11-04	Basic Strategy #11: changing your point of view Basic Strategy #12: miscellanea strategies	Week 11
2018-11-11	MOEMS contest simulation	Week 12
2018-11-18	Review Test: strategy #7 - #12	Week 13
2018-11-25	No school, Thanksgiving break , number sense homework	
2018-12-02	SacMath preparation: ES number sense	Week 14
2018-12-09	SacMath preparation: ES sprint test	Week 15
2018-12-16	SacMath preparation: ES target test	Week 16
2018-12-23	No school, winter break , SacMath test homework	

Spring Semester (topics are tentative, subject to change without notice)

2019-01-13	SacMath preparation: ES team test	Week 17
2019-01-20	Number Patterns: addition patterns	Week 18
2019-01-27	SacMath contest review	Week 19
2019-02-03	Number Patterns: multiplication patterns	Week 20
2019-02-10	Spring Festival celebration party, no MO session.	Week 21
2019-02-17	No school, President Week	
2019-02-24	Number Patterns: more addition patterns	Week 22
2019-03-03	Number Patterns: unusual patterns, patterns and sums	Week 23
2019-03-10	Factors	Week 24
2019-03-17	Factors and Primes	Week 25
2019-03-24	Review Test	Week 26
2019-03-31	Greatest Common Factors	Week 27
201-04-07	Least Common Multiples	Week 28
2019-04-14	Divisibility: by 2, 5, 10, and 100 Divisibility: principle for sums and differences	Week 29
2019-04-21	No school, spring break	
2019-04-28	Divisibility: by power of 2 Divisibility: by 3 and 9	Week 30
2019-05-05	Divisibility: by 11, by (7,11,13)	Week 31
2019-05-12	Combined Divisibility. Parent info meeting for next year.	Week 32
2019-05-19	Final Exam	Week 33

Sierra Chinese School 2018-2019 **MO Intermediate** Class Teaching Plan

Fall Semester (topics are tentative, subject to change without notice)

2018-08-19	First day of Chinese school. first MO session, evaluation exam.	Week 01
2018-08-26	Divisibility: by 11, by (7,11,13)	Week 02
2018-09-02	No school Labor Day	
2018-09-09	Combined Divisibility	Week 03
2018-09-16	Fractions: unit fractions, complex fractions,	Week 04
2018-09-23	Fractions: extended finite fractions, fractional parts	Week 05
2018-09-30	Geometry: squares, rectangles, triangles	Week 06
2018-10-07	Geometry: perimeter and area of rectangles and squares	Week 07
2018-10-14	Geometry: circles and circumference	Week 08
2018-10-21	Geometry: area of circles, geometric patterns	Week 09
2018-10-28	Review Test	Week 10
2018-11-04	Motion problems and work problems	Week 11
2018-11-11	MOEMS contest simulation	Week 12
2018-11-18	Book problems and clock problems	Week 13
2018-11-25	No school, Thanksgiving break , number sense homework	
2018-12-02	SacMath preparation: ES number sense	Week 14
2018-12-09	SacMath preparation: ES sprint test	Week 15
2018-12-16	SacMath preparation: ES target test	Week 16
2018-12-23	No school, winter break , SacMath test homework	

Spring Semester (topics are tentative, subject to change without notice)

2019-01-13	SacMath preparation: ES team test	Week 17
2019-01-20	Logic: cryptarithms, certainty problems	Week 18
2019-01-27	Logic: Venn diagram problems, whodunits	Week 19
2019-02-03	Pre-algebra: selected topic	Week 20
2019-02-10	Spring Festival celebration party, no MO session.	Week 21
2019-02-17	No school, President Day	
2019-02-24	Pre-algebra: selected topic	Week 22
2019-03-03	Pre-algebra: selected topic	Week 23
2019-03-10	Pre-algebra: selected topic	Week 24
2019-03-17	Pre-algebra: selected topic	Week 25
2019-03-24	Review Test	Week 26
2019-03-31	Pre-algebra: selected topic	Week 27
2019-04-07	Pre-algebra: selected topic	Week 28
2019-04-14	Pre-algebra: selected topic	Week 29
2019-04-21	No school, spring break	
2019-04-28	Pre-algebra: selected topic	Week 30
2019-05-05	Pre-algebra: selected topic	Week 31
2019-05-12	Pre-algebra: selected topic. Parent info meeting for next year.	Week 32
2019-05-19	Final Exam	Week 33

Sierra Chinese School 2018-2019 **MO Advanced** Class Teaching Plan

Fall Semester (topics are tentative, subject to change without notice)

2018-08-19	First day of Chinese school. first MO session, evaluation exam.	Week 01
2018-08-26	Even and odd (AMC8 Prep Chap.5)	Week 02
2018-09-02	No school Labor Day	
2018-09-09	Logical reasoning (AMC8 Prep Chap.3)	Week 03
2018-09-16	Operations with Fractions (1) (AMC8 Prep Chap.4)	Week 04
2018-09-23	Operations with Fractions (2) (AMC8 Prep Chap.4)	Week 05
2018-09-30	Word problems related to percents (1) (AMC8 Prep Chap.6)	Week 06
2018-10-07	Word problems related to percents (2) (AMC8 Prep Chap.6)	Week 07
2018-10-14	Review Test	Week 08
2018-10-21	Operations with decimals (1) (AMC8 Prep Chap.9)	Week 09
2018-10-28	Operations with decimals (2) (AMC8 Prep Chap.9)	Week 10
2018-11-04	AMC 8 contest simulation	Week 11
2018-11-11	Sets and Venn Diagrams (1) (AMC8 Prep Chap.10)	Week 12
2018-11-18	Sets and Venn Diagrams (2) (AMC8 Prep Chap.10)	Week 13
2018-11-25	Divisibility revisit (AMC8 Prep Chap.12)	
2018-12-02	Review test	Week 14
2018-12-09	SacMath preparation: MS sprint test	Week 15
2018-12-16	SacMath preparation: MS target test	Week 16
2018-12-23	No school, winter break , SacMath test homework	

Spring Semester (topics are tentative, subject to change without notice)

2019-01-13	SacMath preparation: MS team test	Week 17
2019-01-20	Factors revisit (1) (AMC8 Prep Chap.14)	Week 18
2019-01-27	SacMath contest review	Week 19
2019-02-03	Factors revisit (2) (AMC8 Prep Chap.14)	Week 20
2019-02-10	Spring Festival celebration party, no MO session.	Week 21
2019-02-17	No school, President Day	
2019-02-24	Prime numbers (AMC8 Prep Chap.15)	Week 22
2019-03-03	Ratios and Proportions (1) (AMC8 Prep Chap.16)	Week 23
2019-03-10	Ratios and Proportions (2) (AMC8 Prep Chap.16)	Week 24
2019-03-17	Least Common Multiple and Greatest Common Factor revisit (AMC8 Prep Chap.17)	Week 25
2019-03-24	Review Test	Week 26
2019-03-31	Solving equations (1) (AMC8 Prep Chap.18)	Week 27
2019-04-07	Solving equations (2) (AMC8 Prep Chap.18)	Week 28
2019-04-14	Sequences and Series revisit (AMC8 Prep Chap.21)	Week 29
2019-04-21	No school, spring break	
2019-04-28	Pythagorean Theorem (AMC8 Prep Chap.23)	Week 30
2019-05-05	Similar Triangles (AMC8 Prep Chap.27)	Week 31
201-05-12	Circles (AMC8 Prep Chap.29). Parent info meeting for next year.	Week 32
2019-05-19	Final Exam	Week 33