



SLMCS 秋季课程推介之四 (8月21日)

黄思菁 (Shirley Hwang)

WR01A 21F 小学英文写作 (G2-3) English Writing I (Elementary)

Using a researched based teaching model, this class will reinforce fundamental writing skills by focusing on the mechanics of writing (manuscript form, capitalization, punctuation, spelling, etc.) Additionally, students will learn to express themselves accurately by learning to write clear, linguistically complex sentences and well-organized paragraphs and compositions. Students will primarily practice expository writing covering various topics based on student interest. They will also acquire fundamental life skills including how to write formal emails, quick and concise note taking, and organizational skills. Homework assignments will be required in order to ensure that skills taught each week are retained by the students.



WR01B 21F 小学英文写作 (G4-5) English Writing II (Elementary)

Using a researched based teaching model, this class will reinforce fundamental writing skills by focusing on the mechanics of writing (manuscript form, capitalization, punctuation, spelling, etc.) Additionally, students will learn to express themselves accurately by learning to write clear, linguistically complex sentences and well-organized paragraphs and compositions. Students will primarily practice expository writing covering various topics based on student interest. They will also acquire fundamental life skills including how to write formal emails, quick and concise note taking, and organizational skills. Homework assignments will be required in order to ensure that skills taught each week are retained by the students.

WR02A 21F 初中英文写作(G6-7) English Writing III (Middle school):

English Writing III (middle school): Using a researched based teaching model, this class will reinforce fundamental writing skills and students will learn to express themselves accurately by learning to write clear, linguistically complex sentences and well-organized multi-paragraph essays. Covering various topics based on student interest, this class will focus primarily on expository essay writing, including how to outline and organize an essay, write introductory and concluding paragraphs, and create transitional sentences. They will also acquire fundamental life skills including how to write formal emails, quick and concise note taking, and organizational skills. Homework assignments, though required each week to ensure that skills are retained by the students, will not be demanding so as to account for other commitments students may have.

Note: These classes are a 15 weeks class from 8/27/2021 to 12/23/2021.

Shirley Hwang: As a John Burroughs and NYU graduate who studied education and a current language arts teacher at The Windward School in Manhattan, New York, Shirley is thrilled to be able to join the SLMCS community as a remote expository writing teacher. Born and raised in St. Louis Missouri, she spent many childhood years attending SLMCS and is happy to be back now as a teacher. In her four years at NYU, Shirley worked for an organization called Jumpstart that focused on teaching language and literacy skills to preschoolers. Her time in the classroom working with students and watching them learn and grow gave her a lifelong passion for teaching and encouraged her to seek out her current job as a middle school English teacher at Windward. Working with elementary and middle school students has given her a variety of skills and experiences that make teaching every day easy and exciting.



刘友祥 (Leo Liu)

Dr. Leo Liu joined SLMCS in Fall 2015 with a PhD in Computer Science and over 20 years teaching experiences. He taught many AMC8/10/12 classes starting 2016, and helped many students pass AMC8/10/12 contests. He offered BA4-5 and BA3 pilot classes with a lot interest and positive feedback. His students have dominated Grades 6-8 Missouri State-wide contests for the past 6 years. SLMCS has been the #1 school for all Grades 6-8 contests his students entered so far. You could find their 2020 accomplishments on SLMCS web site (https://slmcs.org/docs%5CMath_Contest_E.pdf) and July 2, 2020 Chinese newspaper.



MCSP1 21F CP10 Counting/Probability (for G6-10) New

This is a class you must take if you wanted to win any math competition (AMC, MCTM, MathCounts, or Math League). We will use the two textbooks to cover the key concepts for each chapter, along with weekly counting/probability and logic questions from various contests (AMC8/10/12, MCTM Elementary/Middle/High School, MathCounts, and Math League). This is the most interesting, but challenging, topic among all math contest questions, and it usually dictates if you win or pass a contest.

Prerequisites and Requirements: Grades 6-10 students who are interested in learning more about counting, probability, and logic or improve your chance to win or pass a contest. It is highly encouraged that you should take at least one of the instructor's math competition classes in the past, but any serious learners are always welcome. All students need to follow the zoom class rules with good class behaviors. To get the best results, students should have a PC along with a second display or device (iPad or PC) with a gmail account and Chrome browser.

MCSP2 21F MM5: MCTM Elementary Contest Preparation (for G3-G6) New

MCTM started online test since the Covid season in 2020, and this is the most popular contest in St Louis area for elementary and middle school students. There are four parts of this contest: Number Sense (10 minutes for 80 questions, a speed test), Sprint (40 minutes for 30 questions), Target (4-pair questions for 6 minutes each), and Team rounds (10 questions for 20 minutes with 4 team members). You could more information via <http://mathleague.org/estests.php>. The class will focus on MCTM elementary contests (grades 3-6) and help prepare for middle school (grades 6-8) contests. We will practice and review with MCTM questions from past contests. We will cover the key concepts for different types of questions, and discuss/simulate test strategy for different rounds. The student will also learn how to use a graphical calculators for the MCTM rounds allowed and SAT test. This class is similar to the MM6 class we offered in spring 2021 for MCTM Middle School Contest, and you could watch an MCTM course introduction and demo via <https://www.youtube.com/watch?v=SqGT-iCKWMc>. Female students could also enroll Fall/Spring InteGirl contest (similar to MCTM contest) for Middle and High School, and you may find more contest information and results via <https://stlouis.integirls.org/events>.

Prerequisites and Requirements: Students who are interested in taking math contests or attend a BA classes before with good results to qualify or win the MCTM contest. However, if you are disciplined and dedicated serious learners, you may actually get more out of this class. All students need to follow the zoom class rules with good class behaviors. To get the best results, students should have a PC along with a second display or device (iPad or PC) with a gmail account and Chrome browser.

MCSP4 21F MC4 Beast Academy G4 and Math League Contest (for G3-G5) New

This year long math contest class will use Beast Academy (BA) for selected grade 4 level content and math games from the puzzle lab. BA4 is the most interesting and challenging level among BA2-5. We will also use Math League for weekly homework and better prepare you for the April Math League National Contest. We did two pilot BA classes last year (BA4-5) and the summer (BA3). The feedback was very positive. There are a lot math games in BA4. If you like logic and counting, you don't want to miss this



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class. You could watch 3 videos for BA4-5 class introduction and Mine Sweeper and Times Out game demos via: https://drive.google.com/drive/u/0/folders/12laksqZUIOqHFLuVQ3qC_emcumA8TIlx.

Prerequisites and Requirements: Grades 3-5 students who love math and play games, while had a chance to win the G4 national math contest. Students are expected to buy one-year license for online access for Beast Academy (BA2-5 and Puzzle Lab, \$96 for own annual license or share an account with 5 families for \$56) or purchase a bundle (\$150) to include the hard copy textbook (guide books) and practice books via <https://beastacademy.com/> All students need to follow the zoom class rules with good class behaviors. To get the best results, students should have a PC along with a second display or device (iPad or PC) with a gmail account and Chrome browser.

MCSP5 21F MC10 AMC10 November Contest Preparation Tuesday 7-8:30 pm 8/31-10/19 90 minutes for 8 weeks (for G6-G10) New

Textbook: None (AMC10 6 volume textbook optional)

This 8-week 90-minute class is similar to the MCTM Middle School class offered in the 2021 spring with focus on practicing AMC10 past contests and help students better prepared for the mid-November AMC10/12 contests. Students will have a chance to practice past contests, learn test strategy, and understand key concepts from lecture related to the AMC10 past contest questions. AMC10/12 is a 75-minute 25-question contest. You could find more information via <https://www.maa.org/math-competitions/about-amc>. AMC10/12 qualifier will be invited to AIME, which is a good ticket for your college application. Note that the enrollment of AMC contest is beyond the scope of this class. You may enroll via your regular school or enroll yourself to take the contest in Maryville University or a local university via <https://megsss.org/> or <https://www.maa.org/>. Starting 2020, the top-scoring AMC10 young women in the U.S. may receive Maryam Mirzakhani AMC 10A Awards (\$1000) & Certificates or Two Sigma AMC 10 B Awards (\$1000) & Certificates. Most students could do only 20 out of the 25 questions. If you are on the borderline to pass the 80% threshold to qualify for AIME, this will be an excellent class for you. Students plan to take MC8A class after this class or AMC8 Contest next Jan., this may be a helpful class.

Prerequisites and Requirements: Grades 6-10 students who are interested in Nov. AMC10/12 contest. There is no textbook, and it is optional to buy the AMC10 6-volume textbook. All students need to follow the zoom class rules with good class behaviors. To get the best results, students should have a PC along with a second display or device (iPad or PC) with a gmail account and Chrome browser.

MCSP6 21F MC8A-AMC8 January Contest Preparation Tuesday 7-8:30 pm 10/26-12/14 90 minutes for 8 weeks (for G5-G8) New

Textbook: None (AMC8 6 volume textbook optional)

This 8-week 90-minute class is similar to the MC10 class offered before this class or the MCTM Middle School class offered in the 2021 spring with focus on practicing AMC8 past contests and help students better prepared for the mid-January AMC8 contest. Students will have a chance to practice past contests, learn test strategy, and understand key concepts from lecture related to the AMC8 questions. People interested in AMC8 contest may also consider MC8 class which will focus more on lectures based on the 6-volume AMC8 textbook. AMC8 is a 40-minute 25-question contest. You could find more information for via <https://www.maa.org/math-competitions/about-amc>. AMC10/12 qualifier will be invited to AIME, which is a good ticket for your college application. Note that the enrollment of AMC contest is beyond the scope of this class. You may enroll via your regular school or enroll yourself to take the contest in Maryville University or a local university via <https://megsss.org/> or <https://www.maa.org/>. Starting 2020, the top-scoring AMC 8 young women in the U.S. may receive The D. E. Shaw Group AMC 8 Award of \$1,000 and Certificates.

Prerequisites and Requirements: Grades 5-8 students who are interested in January AMC8 contest. There is no textbook, and it is optional to buy the MC8 6-volume textbook. All students need to follow the zoom class rules with good class behaviors. To get the best results, students should have a PC along with a second display or device (iPad or PC) with a gmail account and Chrome browser.

MCSP31 21F BA2 Accelerated Beast Academy G2 (for G1-3) 1:45-3:00 pm (75 min)New

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