

## SDHXCS Enrichment Classes (才艺课)

<b>Subject (科目):</b> <b>Please select one of the categories</b>	__ Art    __ Music    __ Sports <u>  x  </u> Math    __ Chess		
<b>Course Name</b> <b>(课程名称):</b>	Advanced Math Enrichment Course		
<b>Teacher Name</b> <b>(教师姓名)</b>	<b>Holly Jing</b> <b>Jenny Sun</b> <b>Catherine Sun</b> <b>Lillian Bu</b>	<b>Phone</b>  <b>email</b>	858-357-3686 (Holly)  <a href="mailto:hollyjing@gmail.com">hollyjing@gmail.com</a>
<b>Teacher's background and brief</b>  <b>(教师及其简介):</b>	<p>Holly Jing has a BS degree in Physics and MS and PhD degrees in Biophysics. She has been teaching competitive math programs in elementary schools since 2014. She founded Math Club at Ocean Air Elementary school, where ~100 students from 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> graders met weekly with parent volunteers who shared the teaching responsibilities. Her 6<sup>th</sup> grade team achieved excellent scores in Noetic, Math Olympiad (MOEMS), and MATHCOUNTS math Contests. In 2016, she and Jenny Sun opened competitive math programs at ICL Academy, and their students have achieved outstanding scores on Noetic Math Contest already. She will be responsible for coordinating with Huaxia, designing math courses, organizing the placement test and open house, supervising teaching staff, and communicating with parents and students, in addition to teaching 7<sup>th</sup> grade math or Level II (see below).</p> <p>Jenny Sun has a BS degree in Theoretical Physics and MS degree in Electrical Engineering. She was a certified college teacher in China. She has a passion on teaching young kids and inspiring their interests for math from an early age. She will be teaching 6<sup>th</sup> grade math or Level I (see below).</p> <p>Lillian Bu is a senior at Del Norte High School and has been accepted to both MIT and Caltech for Applied Math. She is president of Del Norte's math club, and has actively competed in math competitions since middle school. She is a multiple time AIME qualifier and has been invited to be in the San Diego American Regions Math League team and attend MIT's Math Prize for Girls competition for multiple years. She has been an instructor at Mathnasium for the last two years and will be a math camp counselor at Texas State University in the summer. She loves working with kids, and hopes that through this class she will be able to spread her passion for the subject matter to the students and inspire them to appreciate</p>		

	<p>and enjoy math as well.</p> <p>Catherine Sun is currently a senior at Westview high school and planning to study in math field in the college. She has an extended knowledge in the subject, having taken AP Calculus AB as a freshman and finished all high level math classes that the school offers. She recently took linear algebra with an UCSD extension class and was also a math teacher assistant at Westview. She is very experienced when it comes to working with children and education. She is currently a private math tutor and has been a tutor in other areas such as violin, piano, and English. She is currently a swimming instructor at the Rancho family YMCA, with multiple group lessons and private lessons. She is also an experienced coach for Middle School and High School Science Olympiad teams for many years. As a teacher, she hopes to inspire children to become more interested in mathematics and to excel in the subject through more focused training and repeated practice.</p>
<b>Course Description</b> (课程简述):	<p>Advanced Math Enrichment Course is for students in 4<sup>th</sup>-9<sup>th</sup> grades. The course will be taught in three levels:</p> <ul style="list-style-type: none"> <li>• Level-I is for 4<sup>th</sup> and 5<sup>th</sup> graders. The focus will be on problems solving skills and pre-algebra concepts, with problems from Noetic and MOEMS-E. (Ms. Sun)</li> <li>• Level-II is for 6<sup>th</sup> and 7<sup>th</sup> graders. The focus will be on basic algebra, geometry, probability, and number theory concepts, with problems from Noetic, MOEMS-M, and AMC 8. (Ms. Jing)</li> <li>• Level-III is for 8<sup>th</sup> and 9<sup>th</sup> graders. The focus will be on advanced algebra, geometry, probability, and number theory concepts, with problems from PSAT and SAT Math Subject. (Catherine Sun and Lilly Bu)</li> </ul> <p>We will provide classroom instructions, practices, and homework assignments. Students will have opportunities to participate in Noetic Math Contest in April and prepare ahead for MOEMS (Nov-Mar), AMC 8 (Nov), and PSAT (Oct) in the next school year.</p>
<b>Course Objectives</b> (课程目标):	<ul style="list-style-type: none"> <li>- Inspire interests in math learning</li> <li>- Master problem solving skills</li> <li>- Explore advanced math concepts</li> <li>- Achieve outstanding scores in math contests</li> </ul>
<b>Pre-requisite/Student Ages</b> (先决要求/学生年龄要求):	<p>We will give higher priorities to students who demonstrate</p> <ol style="list-style-type: none"> <li>1) Collaborative and teamwork behaviors in class,</li> <li>2) Follow instructions from teachers, and</li> <li>3) Supportive and collaborative parents.</li> </ol>
<b>Student Evaluation /</b>	<p>The students will have opportunities to participate in Noetic, MOEMS,</p>

<b>Presentation</b> (评分方法 (演出、比赛、展示等)):	AMC 8, and PSAT contests throughout the year. A placement test is required for accepting and grouping students.			
<b>Maximum Number of Students to be Enrolled</b> (最多招生人数限制):	Up to 18 students per class.			
<b>Course Fee</b> (报名费 / 学费):	<b>Registration &amp; material fee</b>	\$395 per semester	<b>Special course fee</b>	Do not fill