

## SDHXCS Enrichment Classes (才艺课)

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| <b>Subject (科目):</b><br>Please select one of the categories | <b>Math (数学)</b>   |              |                           |
| <b>Course Name (课程名称):</b>                                  | <b>Math Critical Skills Class (数学核心能力训练班)</b><br><a href="#">公众号链接</a>   |              |                           |
| <b>Teacher Name (教师姓名)</b>                                  | Rui Zhang (张锐)   | <b>Phone</b> | (858) 2327559             |
|   |  | <b>email</b> | happylearners16@gmail.com |
| <b>Teacher's background and brief (教师及其简介):</b>             | <p>Seasoned data scientist to enthusiastic educator, Ms. Zhang has been coaching and teaching middle school and high school students for years, helping a new K-8 public school to create various student enrichment clubs, resulting in the culmination of her own solid and effective education philosophy. She advocates for personalized instruction and believes that interest is the best teacher. She appreciates the individual talents of her students, inspires the students to discover their own strengths and passions, and empowers them to be their best self and realize their full potential.</p> <p>从数据科学家，转型为热心投身教育的数/科奥教练、私立高中任课老师、及创建近 20 个课外活动俱乐部的 K-8 公立学校理事。张老师结合多年教练教学及参与学校建设，尤其是指导青少年的经验，形成了自己的一套完整成熟的教育理念。主张因材施教，坚信兴趣是最好的老师。热心于提升美国学生对数学和科学的爱好，增强学生听说读写及核心思辨和表达能力，为面临高中和大学升学压力的孩子们答疑解惑，为他 / 她们都能成为最好的自己。做催化剂和助动力。</p> |              |                           |
| <b>Course brief and Description (课程简述):</b>                 | <p>This class prepares advanced elementary and middle school students for the Math Olympiad, Math Count, and MAA's American Mathematics Competitions. During the class, students will go over a series of practice questions and Art Of Problem Solving (AOPS) curriculum materials that build mathematical knowledge, critical thinking, and problem-solving skills needed for future careers in an innovative society.</p> <p>本课程将通过学习《解决问题的艺术》(AOPS) 教程、数学竞赛题目练习等，在帮助小学高年级学生和初中生准备一系列数学竞赛的同时，致力于构建学生扎实的数学知识体系、训练和培养学生在未来不断创新的社会环境中所必须的数学逻辑思维和解决问题的能力。</p>   |              |                           |
| <b>Course Objectives (课程目标):</b>                            | <p>Work with students to build mathematical knowledge, critical thinking, and problem-solving skills needed for future careers in an innovative society.</p> <p>构建学生扎实的数学知识体系、训练和培养学生在未来不断创新的社会环境中所必须的数学逻辑思维和解决问题的能力。</p>  |              |                           |

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| <b>Pre-requisite/Student Ages</b><br>(先决要求/学生年龄要求):             | Grade 4+ who love math (热爱数学 9 岁以上学生)          |              |                                   |                              |
| <b>Student Evaluation / Presentation</b><br>(评分方法 (演出、比赛、展示等)): | Games, contests, and presentations (游戏、比赛、展示等) |              |                                   |                              |
| <b>Maximum Number of Students to be Enrolled</b><br>(最多招生人数限制): | 20 Students                                    |              |                                   |                              |
| <b>Course Fee (报名费 / 学费):</b>                                   | <b>Registration &amp; material fee</b>         | \$400 / year | <b>Course Time &amp; Location</b> | Sundays<br>3:30 Pm – 4:30 Pm |