

Newton Chinese Language School

课程介绍 Course Description

课程名称 Course Name	SAT math
招生对象 Prospective Student	Suggested to the students in public school: Grade 7-10
教学目标 Teaching Objectives	Preparing students for the math sections on the SAT test
教学内容 Teaching Content	1. Exponents & Radicals 2. Percent 3. Exponential vs. Linear Growth 4. Rates 5. Ratio & Proportion 6. Expressions 7. Constructing Models 8. Manipulating & Solving Equations 9. More Equation Solving Strategies 10. Systems of Equations 11. Inequalities 12. Word Problems, Minimum & Maximum Word Problems 13. Lines 14. Interpreting Linear Models 15. Functions 16. Quadratics 17. Synthetic Division 18. Complex Numbers 19. Absolute Value 20. Angles 21. Triangles 22. Circles 23. Trigonometry 24. Reading Date 25. Probability 26. Statistics I 27. Statistics II 28. Volume
教学方法 Teaching Method	Teaching the contents covered by the SAT test topic by topic first, then have students practice using previous real SAT tests.
使用教材 Teaching Materials	The College Panda SAT Math Advanced Guide and Workbook (2nd Edition) ISBN-13: 978-1733192729 ISBN-10: 1733192727 Amazon Link here (make sure you purchase the 2nd edition, not the 1st :P).

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Expectations to Students:

- ✓ Don't be afraid of making mistakes. Fix it, and learn from it.)
- ✓ Be on time and be prepared.
- ✓ Always make corrections after each assignment.
- ✓ Show procedure/steps of thinking.
- ✓ Bring yourself to the class. Everyone is a unique contributor.
- ✓ Collaborate and communicate with your classmates. You will benefit from it.
- ✓ Work hard. Have fun!

Teacher Information:

Ms. Lijia Li obtained her M.Ed (Learning & Teaching, Instructional Leadership in Math) at Harvard Graduate School of Education. She used to teach at Shanghai High School International Division and now works as a math teacher at Newton South High School. In previous years, Ms. Li also taught AoPS (Geometry, Number Theory, Counting & Probabilities) and Singapore math at NCLS. She enjoys teaching and each student's progress has brought her great joy.

Teaching Blog: <http://blog.newtonchineseschool.org/lilijia/>, Course Calendar: [here](#)

For any questions, please feel free to reach out: lilijialibook@gmail.com.