

NCLS Course Description: SAT math

Last updated: 08/2019

Course Name	SAT math
Suggested to the students in public school	Grade 7-10
Course Length	1 year
Reference Textbook	
The College Panda SAT Math Advanced Guide and Workbook ISBN-13: 978-0989496421 ISBN-10: 0989496422 https://www.amazon.com/College-Pandas-SAT-Math-Advanced/dp/0989496422	
Teacher Information	
Ms. Lijia Li obtained her M.Ed (Instructional Leadership in Math) at Harvard Graduate School of Education. Prior to the U.S, she taught math and science at <i>Shanghai High School International Division</i> and enjoyed working with the students. She also taught <i>AOPS: Geometry</i> and <i>Singapore math K</i> at NCLS in 2017-2018 school year. Teaching Blog: http://blog.newtonchineseschool.org/lilijia/ For any questions, please feel free to reach out: lilijalibrook@gmail.com .	
Expectation to the Students	
<ul style="list-style-type: none">✓ Never be afraid of making mistakes. Fix it, and learn from it.)✓ Be on time and be prepared.✓ Always make corrections.✓ Show procedure/steps of thinking.✓ Bring yourself to the class. Everyone is a unique contributor.✓ Collaborate and communicate with the classmates. You will benefit from it.✓ Work hard. Have fun!	
Course Content	
<ol style="list-style-type: none">1. Exponents & Radicals2. Percent3. Exponential vs. Linear Growth4. Proportion5. Rates6. Expressions7. Constructing Models8. Manipulating & Solving Equations9. More Equation Solving Strategies10. Systems of Equations11. Inequalities12. Word Problems13. Lines14. Interpreting Linear Models15. Functions16. Quadratics17. Synthetic Division18. Complex Numbers19. Absolute Value20. Angles21. Triangles22. Circles23. Trigonometry24. Reading Date25. Probability26. Statistics I27. Statistics II28. Volume	