

牛顿中文学校 2019 年秋季课程表  
AOPS Counting & Probability, Ms. Lijia Li

	<u><b>Week 1</b></u>	<u><b>Week 2</b></u>	<u><b>Week 3</b></u>	<u><b>Week 4</b></u>	<u><b>Week 5</b></u>	<u><b>NC Reason</b></u>
<u><b>September</b></u>	8  Introduction + Pre-Test + “Math is Fun” Activity	15  1. Lists, Venn Diagrams, Addition, Multiplication	22  2. Casework, Constructions and Restriction	29  3. Overcounting <b>Fire Drill</b>		
<u><b>October</b></u>	6  4. Committees & Combinations	13  5. Combinations and Distinguishability	20  6. Harder Counting Problems	27  Mid-Term Test		
<u><b>November</b></u>	3  7. Introduction to Probability	10  8. Basic Probability Techniques 9. Think About It!	17  10. Geometric Probability	24  11. Expected Value		
<u><b>December</b></u>	1  <b>(NC)</b>	8  12. Pascal’s Triangle	15  13. The Hockey Stick Identity	22  <b>(NC)</b>	29  <b>(NC)</b>	<b>Thanksgiving, Christmas, New Year</b>
<u><b>January</b></u>	5  14. Binomial Theorem	12  Final Exam	19  <b>Spring Semester Starts</b>	26  <b>(NC)</b>		<b>Chinese New Year</b>