

## HS Entrance Exam Curriculum Syllabus (by session, 1–8)

### Session 1

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#### *Diagnostic Test*

##### **Math**

1. TPC Math Strategies
2. Number Classification
3. Order of Operations
4. Positive and Negative Numbers
5. Perfect Squares and Square Roots

### Session 2

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##### **Math**

1. Number Properties
2. Distributive Property
3. Divisibility Rules
4. Prime Numbers and Factors
5. Decimal Places and Operations
6. Scientific Notation

##### **Reading Comprehension**

1. Types of Reading Comprehension Questions
2. TPC Reading Comprehension Strategy
3. Nonfiction Passages Overview and Practice

### Session 3

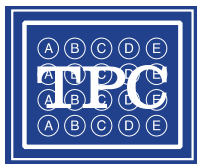
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##### **Math**

1. Algebra
2. Inequalities
3. Exponents and Square Roots
4. Advanced Algebra
  - a. FOIL Method & Factoring Quadratics

##### **Reading Comprehension**

1. Vocabulary
  - a. Common Prefixes and Roots
2. Extra Reading Practice



## HS Entrance Exam Curriculum Syllabus (by session, 1–8)

### Session 4

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#### Math

1. Fractions and Mixed Numbers
2. Canceling
3. Fractions, Decimals, Percents
4. Conversions
5. Word Problems and Percent Money Problems

#### Reading Comprehension

1. TPC Reading Comprehension Strategy Review
2. Reading 3: Fiction Passages Overview and Practice

### Session 5

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#### Math

1. Ratios and Proportions
2. Probability and Combinations
3. Statistics

#### Reading Comprehension

1. Literary Devices
2. Poetry Overview and Practice

### Session 6

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#### Math

1. Unit Conversions
2. Charts and Graphs
3. Geometry
  - a. Lines and Angles
4. Triangles
  - a. Sides and Angles

#### Reading Comprehension

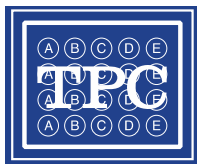
1. Review and Practice Passages

### Session 7

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#### Math

1. Triangles—Perimeter and Area
2. Rectangles and Squares



## HS Entrance Exam Curriculum Syllabus (by session, 1–8)

3. Other Quadrilaterals
4. Triangles—Right Triangles and Pythagorean Theorem
5. Circles
6. Irregular Shapes
7. Coordinate Geometry
8. Coordinate Geometry—Translations and Reflections
9. Coordinator Geometry—Graphing on the Coordinate Plane
10. 3D Geometry
  - a. Surface Area, Volume

## Session 8

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### Reading Comprehension

1. Reading Comprehension Review

### *Final Test*

### Test Prep Chicago Final Test-Taking Tips

### **Additional Notes:**

Students will complete weekly homework assignments online. Practice test and homework results will be available in each student's account in our online testing portal. Answer explanations for both tests and all homework assignments are included. Parents will receive weekly email reports with an overview of the topics covered in class.

Students taking the HSPT and/or ISEE exam(s) will receive supplemental material after each session. Additional homework assignments for the HSPT and the ISEE are included in the online testing portal.