

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

### Session 1

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#### *Diagnostic Test*

##### **Math**

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

### Session 2

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##### **Math**

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

##### **Reading Comprehension**

1. Types of Reading Comprehension Questions
2. TPC Reading Comprehension Strategy and Practice Passages
3. Reading Practice
4. Literary Devices and Other Terms

### Session 3

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##### **Math**

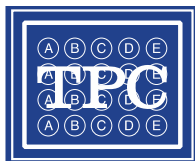
1. Algebra
2. Inequalities
3. Exponents and Square Roots
4. Advanced Algebra
  - a. FOIL Method & Factoring Quadratics

##### **Vocabulary**

1. Common Prefixes and Roots
2. Test Prep Chicago Vocabulary Strategy

##### **Language**

1. Confusing Words I



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

### Session 4

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#### Math

1. Fractions and Mixed Numbers
2. Percents
3. Conversions
4. Word Problems and Percent Money Problems

#### Language

1. Types of Language Questions
2. TPC Language Strategies
3. Capitalization
4. Punctuation
5. Sentence Structure

### Session 5

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#### Math

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

#### Reading Comprehension

1. TPC Strategy Review
2. Reading Practice
3. Poetry Review and Practice

### Session 6

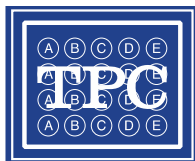
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#### Math

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

#### Language

1. Verb Tense and Voice
2. Subject-Verb Agreement
3. Pronoun Agreement
4. Parallel Structure
5. Confusing Words II



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

### Session 7

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#### Math

1. Geometry
  - a. Triangles—Perimeter and Area
  - b. Rectangles—Perimeter and Area
  - c. Other Quadrilaterals
  - d. Triangles—Right Triangles and Pythagorean Theorem
  - e. Circles
  - f. Irregular Shapes
  - g. Coordinate Geometry
  - h. 3D Geometry
    - a. Surface Area, Volume

### Session 8

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#### *Final Test*

#### Test Prep Chicago Final Test-Taking Tips

#### **Additional Notes:**

Students will complete weekly homework assignments online. Parents will receive weekly personalized email reports with an overview of the topics covered in class as well as their child's results from the previous week's homework assignment.

Students taking the HSPT and/or ISEE exam(s) will begin receiving supplemental material after session 4. Parents will receive reports on their child's results on the HSPT/ISEE supplemental assignments in the weekly email reports.