

# Zahrat Al-Sahra'a International School

Grade 4 to 5 Entrance Exam

Required Lessons

Academic Year 2019-2020

## Math

L1.1 Investigate: Place Value & Patterns  
L1.2: Place Value of Whole Numbers  
L1.3 Algebra: Properties  
L1.4: Algebra: Powers of 10 and Exponents  
L1.5: Multiplication Patterns  
L1.6: Multiply by 1-Digit Numbers  
L1.7: Multiply by 2-Digit Numbers  
L1.8: Relate Multiplication to Division  
L1.9: Problem Solving Multiplication and Division  
L1.10: Numerical Expressions  
L2.2: Divide by 1-Digit Divisor  
L2.6: Divide by 2-Digits Divisor  
L2.7: Interpret the Remainder  
L2.8: Adjust Quotients  
L2.9: Problem Solving / Division  
L3.1: Investigate: Thousandths  
L3.2: Place Value of Decimals  
L3.3: Compare and Order Decimals  
L3.4: Round Decimals  
L3.8: Add Decimals  
L3.9: Subtract Decimals  
L3.10: Patterns with Decimals  
L3.11: Add and Subtract Money  
L4.1: Multiplication Patterns with Decimals  
L4.3: Multiply Decimals & Whole Numbers  
L4.4 Multiply Using Expanded Form  
L4.7: Multiply Decimals  
L4.8: Zeros in the Product  
L4.5: Problem Solving (Multiply Money)  
L5.1: Division Patterns with Decimals  
L5.4: Division of Decimals by Whole Numbers  
L5.6: Divide Decimals  
L5.7: Write Zeros in the Dividend  
L5.8: Decimals Operations

L6.4: Common Denominators and Equivalent Fractions  
L6.5: Add and Subtract Fractions  
L6.6: Add and Subtract Mixed Numbers  
L6.7: Subtraction with Renaming  
L6.10: Use Properties of Addition  
L7.1: Find Part of a Group  
L7.2: Multiply Fractions and Whole Numbers  
L7.5: Compare Fraction Factors and Products  
L7.6: Fraction Multiplication  
L7.8: Compare Mixed Number Factors and Products  
L7.9: Multiply Mixed Numbers  
L8.1: Divide Fractions and Whole Numbers  
L8.3: Connect Fractions to Division  
L8.4: Fraction and Whole-Number  
L8.5: Interpret Division with Fractions  
L9.1: Line Plots  
L9.2: Ordered Pairs  
L9.3: Graph Data  
L9.4: Line Graphs  
L9.5: Numerical Patterns  
L9.6: Problem Solving (Find a Rule)  
L9.7: Graph and Analyze Relationships  
L11.1 Polygons  
L11.2 Triangles  
L11.3 Quadrilaterals  
L10.1: Customary Length  
L10.2: Customary Capacity  
L10.3: Weight  
L10.5: Metric Measures  
L10.6: Problem Solving  
L10.7: Elapsed Time

## Arabic

- قراءة النَّصِّ .  
- الإجابة على الأسئلة حول النَّصِّ + مرادفات وأضداد من خلال النَّصِّ .  
- الفعل الماضي .  
- الفعل المضارع المرفوع .  
- فعل الأمر .  
- النعت .  
- المفعول المطلق .  
- الجملة الاسميّة والجملة الفعلية .  
- إعراب الجمل .  
- التّواصل الكتابي .

# English

## Literary Genre

1. Realistic Fiction
2. Biography
3. Narrative Poetry
4. Historical Fiction
5. Play
6. Expository Nonfiction
7. Realistic Fiction
8. Fantasy
9. Narrative Nonfiction
10. Autobiographies
11. Fairy Tale
12. Folktale
13. Diary
14. Fantasy
15. Tall Tale

## Reading Focus Skill

1. Character's Traits and Motivations
2. Compare and Contrast
3. Conflict and resolution
4. Author's Purpose and Perspective
5. Cause and Effect
6. Draw Conclusions
7. Fact and Opinion
8. Theme
9. Character, Setting, and Plot
10. Text Structure: Sequence
11. Main Idea and Details
12. Figurative Language

## Grammar

1. Declarative and Interrogative Sentences
2. Imperative and Exclamatory Sentences: Interjections
3. Subjects and Predicates
4. Complete and Simple Subjects and Predicates
5. Compound Subjects and Predicates
6. Simple and Compound Sentences
7. Prepositional Phrases
8. Clauses and Phrases: Complex Sentences
9. Common and Proper Nouns
10. Singular and Plural Nouns
11. Possessive Nouns
12. Pronouns and Antecedents
13. Possessive Pronouns
14. Subject and Object Pronouns
15. Adjectives and Articles
16. Comparing with Adjectives
17. Main and Helping Verbs
18. Action and Linking Verbs
19. Present Tense Verbs: Subject-Verb Agreement
20. Past and Future Sentences
21. Irregular Verbs
22. Contractions and Possessive Pronouns
23. Adverbs
24. Punctuation Review

# Science

## Lesson Title

### The Engineering Process

What is technology?

### Plants and Animals

What are some plant structures?

How do plants reproduce?

How do animals reproduce?

How do living things adapted to their environment?

### Energy and Ecosystems

What are populations, habitats, and niches?

What are food chains?

How can we model a food web?

### Weather

What is a water cycle?

What are types of weather?

### Earth and Space

How do the Sun, Earth, and Moon interact?

What are moon phases?

How do the moon move around the Earth?

### Properties of Matter

What are physical properties of matter?

How are physical properties observed?

What are states of water?

### Changes in Matter

What are some physical changes?

What are some chemical changes?

### Energy

What are some forms of energy?

What is heat?

What are conductors and insulators?

Which materials are conductors?

### Electricity

What is electricity?

What are electric circuits, conductors and insulators?

What is an electric circuit?