

**Al Noor International School**  
Riyadh, Kingdom of Saudi Arabia

# Grade 9 First Semester Syllabus

## TABLE OF CONTENTS

S#	SUBJECTS	Page
1	English	1 – 2
2	Algebra 2	2
3	Geometry	3
4	Biology	3
5	Chemistry	4
6	Physics	4
7	Social Studies	5
8	Computer	5

<b>Grade 9 English First Semester Syllabus</b>		
<b>LITERATURE</b>	<b>TEXT BOOK PAGE</b>	<b>WORKBOOK PAGE</b>
<b>LESSON</b>		
<b>Unit 1</b>		
Lesson 1: Two Kinds	SA page 2 - 17	LC page 2
Lesson 2: LOL	SA page 18 – 25; 30	LC page 8 - 9
Lesson 3: Stories My Father Told Me	SA page 32 - 41	LC page 16 – 17
Lesson 4: In Line	SA page 42 – 61	LC page 24 – 25
Lesson 5: The Cask of Amontillado	SA page 62 – 73; 76	LC page 32 – 33
<b>Unit 2</b>		
Lesson 1: Living Like Weasels	SA page 80 -87	LC page 44 – 45
Lesson 2: Origins from Rain	SA page 88 -97; 101	LC page 52 – 53
Lesson 3: First Observations from In the Shadow of Man	SA page 102 - 115	LC page 62 – 63
Lesson 4: Deep Intellect	SA page 116 - 125	LC page 70 – 73
Lesson 5: New Caledonian and The Crow and the Pitcher	SA page 130 -132	LC page 80 – 81
<b>GRAMMAR</b>	<b>TEXT BOOK PAGE</b>	<b>WORKBOOK PAGE</b>
<b>Unit 1</b>		
Lesson 1: Pronoun Agreement	LC pp. 4 - 5	1; 2, 59-62; 66-69
Lesson 2: Correcting Vague Pronouns	LC pp. 12 - 13	72-74
Lesson 3: Dependent and Independent Clauses	LC pp. 20 - 21	25, 44-45
Lesson 4: Restrictive and Nonrestrictive Clauses	LC pp. 28 - 29	27; 101
Lesson 5: Punctuating Dialogue	LC pp. 36 - 37	106-108; 112-117
<b>Unit 2</b>		
Lesson 1: Participial Phrases	LC pp. 48 - 49	23-24
Lesson 2: Adjectival and Adverbial Phrases	LC pp. 58 -59	6-7; 26
Lesson 3: Misplaced and Dangling Modifiers	LC pp. 66 - 67	38-39
Lesson 4: Verb Phrases	LC pp. 76 - 77	3-5
Lesson 5: Verb Moods	LC pp. 84 - 85	55-56
<b>VOCABULARY</b>	<b>TEXT BOOK PAGE</b>	<b>WORKBOOK PAGE</b>
<b>Unit 1</b>		
Lesson 1: Slang in Dialogue	LC pp. 2 - 3	
Lesson 2: Denotation and Connotation	LC pp. 10 - 11	
Lesson 3: English words from Arabic	LC pp. 18 - 19	
Lesson 4: Multiple meaning words	LC pp. 26 - 27	
Lesson 5: Synonyms and Antonyms	LC pp. 34 - 35	

<b>Unit 2</b>		
Lesson 1: Use a Thesaurus	LC pp. 46 - 47	
Lesson 2: Domain Specific words	LC pp. 54 - 55	
Lesson 3: Roots and Affixes	LC pp. 64 - 65	
Lesson 4: Shades of Meaning	LC pp. 74 - 75	
Lesson 5: Patterns of Word Changes	LC pp. 82 - 83	
<b>WRITING</b>	<b>TEXT BOOK PAGE</b>	<b>WORKBOOK PAGE</b>
<b>Unit 1</b>		
Lesson 1: Write Diary Entries	LC pp. 6-7	
Lesson 2: Write a Short Story	LC pp. 14-15	
Lesson 3: Write an Argument	LC pp. 22-23	
Lesson 4: Write a Literary Analysis	LC pp. 30-31	
Lesson 5: Write a Literary Analysis	LC pp. 38-39	
<b>Unit 2</b>		
Lesson 1: Conduct a Research	LC pp. 50-51	
Lesson 2: Write a Poem	LC pp. 60-62	
Lesson 3: Write a Response to Literature	LC pp. 68-69	
Lesson 4: Write an Argument	LC pp. 78-79	
Lesson 5: Write a Narrative	LC pp. 86-87	

<b>Grade 9 First Semester Syllabus</b>	
<b>Subject: Algebra 2</b>	
<b>TOPIC 1: LINEAR FUNCTIONS AND SYSTEM</b>	<b>TB. PP.</b>
Lesson 4: Arithmetic Sequences and Series	<b>31-39</b>
Lesson 6: Linear System	<b>47-54</b>
<b>TOPIC 2: QUADRATIC FUNCTIONS AND EQUATIONS</b>	
Lesson 1: Vertex Form of a quadratic function	<b>73-79</b>
Lesson 2: Standard Form of A quadratic Functions	<b>80-87</b>
Lesson 3: Factored Form of a quadratic function	<b>88-94</b>
Lesson 4: Complex Numbers and Operations	<b>95-101</b>
Lesson 5: Completing the square	<b>103-109</b>
Lesson 6: The Quadratic Formula	<b>110-116</b>

### Grade 9 Geometry Second Semester Syllabus

Chapter/Lesson	Text Book
<b>TOPIC 1: FOUNDATIONS OF GEOMETRY</b>	
1.1 Measuring Segments and angles	<b>5 – 13</b>
1.3 Midpoint and distance	<b>22 – 27</b>
1.4 Inductive Reasoning	<b>28 – 34</b>
1.5 Conditional Statements	<b>36 - 43</b>
<b>TOPIC 2: PARALLEL AND PERPENDICULAR LINES</b>	
2-1 Properties of parallel lines	<b>71-78</b>
2-2 Proving Lines Parallel	<b>78-84</b>
2-3 Parallel Lines and Triangles	<b>85-91</b>
2-4 Slopes of parallel and perpendicular lines	<b>92-98</b>

Subject: Biology		Grade 09	
First Semester			
<u>Unit 1: The Nature of Life</u> Chapter 1: The Science of Biology		TB pages	WB pages
Lesson 1: What is Science?		8-14	1-3
Lesson 2: Science in context		15-21	4-6
Lesson 3: Patterns of Life		22-29	7-11
Chapter Assessment		36-39	12
Chapter 2: The Chemistry of Life			
Lesson 1: The Nature of Matter		42-46	13-16
Lesson 2: Properties of Water		47-51	17-20
Lesson 3: Carbon Compounds		52 -57	21-24
Lesson 4: Chemical Reactions and Enzymes		58-61	25-27
Chapter Assessment		68-71	28

<b>Subject: Chemistry</b>		<b>Grade 9</b>
<b>First Semester</b>		
<b>Investigation 1: Atomic Structure</b>	<b>TB. pages</b>	
Experience 1: The Particle Nature of Matter	5-11	
Experience 2: Modeling Atoms	12-21	
Experience 3: Atomic Emission Spectra and the Bohr Model	22-27	
Experience 4: Modern Atomic Theory	28-32	
Experience 5: Electrons in Atoms	33-41	
<b>Investigation 2: The Periodic Table</b>		
Experience 1: The Periodic Table: An Overview	43-49	

<b>Subject: Physics</b>			<b>Grade-9</b>
<b>First Semester</b>			
	<b>TB Pages</b>	<b>WB Pages</b>	
<b>Investigation #1 Modeling Motion</b>	<b>2-49</b>	<b>2-17</b>	
Experience #1 Displacement and Velocity	6-20	2-5	
Experience #2 Acceleration	21-34	6-9	
Experience #3 Circular and Projectile motion	35-49	10-13	
<b>Investigation #2 Forces</b>	<b>50-64</b>	<b>14-17</b>	
Experience #1 Force, Mass, and Acceleration	52-64	14-17	

## Grade 9 First Semester Social Studies Syllabus

LESSON	TEXT BOOK PAGE	WORKBOOK PAGE
<b>Chapter 1: Geography and Maps</b>		
Lesson 1: Topographic Maps	TB: PP: 3 - 7	WK BK PP: 3 – 5
Lesson 2: Reading of Topographical Maps	TB: PP: 8 -15	WK BK PP: 6 – 10
Lesson 3: Map Scales, Symbols and Colors	TB: PP: 16 - 22	WK BK PP: 11 – 14
Lesson 4: How a Topographical Map Is Made (Part One)	TB: PP: 23 - 26	WK BK PP: 15 – 17
Lesson 5: How a Topographical Map Is Made (Part Two)	TB: PP: 27 - 32	WK BK PP: 18 – 19
<b>Chapter 2: The United States of America and Canada</b>		
Lesson 1: The Geography of the United States	TB: PP: 35 – 43	WK BK PP: 27 – 31
Lesson 2: The History of the United States	TB: PP: 44 – 46	WK BK PP: 32 – 34
Lesson 3: The Constitution	TB: PP: 47 – 48	WK BK PP: 35 – 41
Lesson 4: The American Government	TB: PP: 49 – 52	WK BK PP: 42 – 47
Lesson 5: Political Parties and Symbols	TB: PP: 53 – 55	WK BK PP: 48 – 52

Subject: Computer		Grade 9	
First Semester			
Small Basic	TB	WB	
Mastering the usage of the IF instruction Using the nested IF's Using ElseIf instruction	4-5		
Creating loops with the While instruction Managing the counter of a loop.	6-7		
Creating loops with the FOR instruction Inserting a condition in a loop.	8-9		
Understanding the concept of the sub-procedures Creating sub-procedures for a structured program	10-11		
Defining a list Filling a list Displaying the content of a list	12-13		
Reading the list in the opposite way Searching for a value in the list Finding the biggest value in the list	14-15		
Evaluate Small Basic Skills	16-17		