

Al Noor International School
Riyadh, Kingdom of Saudi Arabia

Grade 12 First Semester Syllabus

TABLE OF CONTENTS

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

Grade 12 English 1 st Semester Syllabus		
LESSON	TEXT BOOK PAGE	WORKBOOK PAGE
LITERATURE		
Lesson 1: Damon and Pythias (myth)	SA pp. 2-7	SC p. 1
Lesson 2: Comparing Texts	SA pp. 8-15	SC pp. 8-9
Lesson 3: How My Brother Leon Brought Home a Wife	SA pp. 16-27	SC pp. 16-17
Lesson 4: Compassion Can be Trained	SA pp. 28-33	SC pp. 24-25
Lesson 5: Comparing Texts (The Hands of Fatima/ The Journey)	SA pp. 34-54	SC pp. 32-33
Lesson 6: We Shall Fight on the Beaches	SA pp. 56-63	SC pp. 44-45
Lesson 7: Comparing Texts	SA pp. 64-77	SC pp. 52-53
Lesson 8: The Guest	SA pp. 78-95	SC pp. 60-61
Lesson 9: I Have No Enemies: My Final Statement	SA pp. 96-103	SC 68-69
Lesson 10: Comparing Texts	SA pp. 104- 116	SC pp. 76-77
Lesson 11: Pulling Up Roots	SA 120-129	SC pp. 88-89
GRAMMAR		
LESSON	TEXT BOOK PAGE	WORKBOOK PAGE
Lesson 1: Appositive/Appositive phrases Direct and Indirect Objects	SC pp. 4-5	WB.p.23 WB.p.18-19
Lesson 2: Syntax: Inverted Word Order	SC pp. 12-13	WB p. 34
Lesson 3: Prepositional Phrases Conjunction and Interjection	SC pp. 20-21	WB p.8,22 WB.p.9-10
Lesson 4: Active and Passive Voice	SC pp. 28-29	WB pp.57-58
Lesson 5: Ellipses and Dashes	SC pp. 36-37	WB pp.133-134
Lesson 6: Parallel Structure	SC pp. 48-49	WB p.40
Lesson 7: Participial Phrases Clauses	SC pp. 56-57	WB p.24 WB.p.25
Lesson 8: Punctuate Dialogue End Marks	SC pp. 64-65	WB pp.112-113 WB.p.91
Lesson 9: Commas and Semicolons Punctuations	SC pp. 72-73	WB pp.95-100 WB.p.112,127-131
Lesson 10: Hyphens with Compound Adjectives	SC pp. 80-81	WB pp.123-124
Lesson 11: Predicate Nouns and Predicate Adjectives Nouns and Pronouns	SC pp. 92-93	WB pp.20-21 WB.p.1-2, 59

Vocabulary		
LESSON	TEXT BOOK PAGE	WORKBOOK PAGE
Lesson 1: selection Vocabulary Word families	SC p.2 SC P.3	
Lesson 2: Selection Vocabulary Archaic language	SC p. 10 SC p. 11	
Lesson 3: Selection Vocabulary Context Clues	SC p. 18 SC p. 19	
Lesson 4: Selection Vocabulary Domain-Specific Vocabulary	SC p. 26 SC p. 27	
Lesson 5: Selection Vocabulary suffix	SC p. 34 SC p. 35	
Lesson 6: Selection Vocabulary Denotation & Connotation	SC p. 46 SC p. 47	
Lesson 7: Selection Vocabulary Word Families	SC p. 54 SC p. 55	
Lesson 8: Selection Vocabulary Synonyms & Antonyms	SC p. 62 SC p. 63	
Lesson 9: Selection Vocabulary Suffixes	SC p. 70 SC p. 71	
Lesson 10: Selection Vocabulary Denotation & Connotation	SC p. 78 SC p. 79	
Lesson 11: Selection Vocabulary Word Meanings	SC p. 90 SC p. 91	
Writing		
LESSON	TEXT BOOK PAGE	WORKBOOK PAGE
Lesson 1: Literary Analysis	SC pp.6-7	
Lesson 2: Write a dialogue	SC pp. 14-15	
Lesson 3: Write a Narrative Scene	SC pp. 22-23	
Lesson 4: Write a TV News Report	SC pp. 30-31	
Lesson 5: Writing a Diary Entry	SC pp.38-39	
Lesson 6: Cite Textual Evidence	SC pp. 50-51	
Lesson 7: Write a Foreword	SC pp. 58-59	
Lesson 8: Write a Narrative	SC pp. 66-67	
Lesson 9: Write an E-mail	SC pp. 74-75	
Lesson 10: Write an Editorial	SC pp. 82-83	
Lesson 11: Write a Letter	SC pp. 94-95	

Subject: Calculus		Grade 12
First Semester		
Chapter 1: Prerequisites for Calculus		TB
Lesson 1 Lines		3-11
Lesson 2. Functions and Graphs		12-21
Lesson 3. Exponential Functions		22-28
Lesson 4. Parametric Equations		29-35
Lesson 5. Functions and Logarithms		36-44
Lesson 6. Trigonometric Functions		45-54
Chapter 2: Limits and Continuity		
Lesson 1. Rates of Change and Limits		59-69
Lesson 2. Limits Involving Infinity		70-77

Subject: Biology			Grade 12
First Semester			
Chapter 16 Darwin's Theory of Evolution	TB Pages	WB pages	
Lesson 1 Darwin's Voyage of Discovery	450 -453	248 -250	
Lesson 2 Ideas that shaped Darwin's Thinking	454-459	251 -254	
Lesson 3 Darwin Present His Case	460-464	255 – 257	
Lesson 4 Evidence of Evolution	465 – 473,475-479	258 -263,264	
Chapter 17 Evolution of Populations			
Lesson 1 Genes and Variation	482 -486	268 – 271	
Lesson 2 Evolution as Genetic Change in Population	487-492	272 – 275	
Lesson 3 The Process of Speciation	494- 497, 503 -505,507	276 – 281	

Subject: Chemistry		Grade 12
First Semester Syllabus		
Chapter 20 : Oxidation-Reduction Reactions	TB pages	WB pages
Lesson 1: The Meaning of Oxidation and Reduction	692-699	303-307
Lesson 2: Oxidation Numbers	701-706	308-309
Lesson 3: Describing Redox Equations	707-715,720-721	309-316
Chapter 21: Electrochemistry		
Lesson 1: Electrochemical Cells	728-736	317-320
Lesson 2: Half Cells and Cell Potentials	737-743	321-322
Lesson 3: Electrolytic Cells	745-751,754-755	322-327
Chapter 22: Hydrocarbon Compounds		
Lesson 1: Hydrocarbons	762-771	328-330

Subject: Physics		Grade-12
First Semester		
Chapter/Lessons	TB pages	
Chapter 21: Electric Current and Electric Circuits	744-781	
L#1. Electric Current, Resistance, and Semiconductors	745-757	
L#2. Electric Circuits	757-765	
L#3. Power and Energy in Electric Circuits	765-771	
Chapter 22: Magnetism and Magnetic Fields	782-815	
L# 1. Magnets and Magnetic Fields	783-788	
L#2. Magnetism and Electric Current	789-795	
L#3. The Magnetic Force	796-806	
Chapter 23: Electromagnetic Induction	816-827	
1.Electricity from Magnetism	816-827	

Grade 12 Social Studies Syllabus	
LESSON	TEXT BOOK PAGE
Lesson 1: Axis Initiative and Allied Reactions	TB: PP: 5 – 11
Lesson 2: The War in Europe, 1939 – 41	TB: PP: 12 – 18
Lesson 3: The Invasion On Norway and France	TB: PP: 19 – 25
Lesson 4: Other Warring Fronts, 1940 – 41	TB: PP: 26 – 29
Lesson 5: The Beginning of Lend – Lease and the Invasion on UUSR	TB: PP: 30 – 36

Subject: Computer		Grade: 12
First Semester		
Python	TB	WB
Review the skill learned in Grade 11	4-5	
Combining loops with the “If” statement Drawing shapes with the turtle Using functions	6-7	
Defining a list Creating a list Filling a list Displaying the content of a list	8-9	
Searching for maximum and minimum values in a list	10-11	
Searching a value in a list Counting the number of times a value is repeated in a list Sorting and reversing a list	12-13	
Learning about Tkinter Learning how to create a simple graphical user interface using Tkinter	14-15	
Creating a button with an event handler Creating an image using the PIL library	16-17	
Modify the colours of an image Creating patterns using the PIL library	18	