



**Grade 12: Mid-Semester 2 Exams Required Material 2023 - 2024**

**Grade 12 – ENGLISH LANGUAGE & COMPOSITION**

<b>Unseen Reading Comprehension:</b>	<ul style="list-style-type: none"> <li>● An unseen passage with comprehension questions that are suitable for your grade-level and that focus on rhetorical analysis.</li> <li>● For Practice, you may answer reading activities on Achieve 3000.</li> </ul>
<b>Research Skills (APA Style) :</b>	<ul style="list-style-type: none"> <li>● Abstract</li> <li>● Methodology and Research Instruments</li> <li>● Findings and Discussion</li> <li>● References Page</li> </ul>
<b>Academic Writing Skills:</b>	<ul style="list-style-type: none"> <li>● Synthesis Writing Skills</li> </ul>
<b>Language Usage Skills :</b>	<ul style="list-style-type: none"> <li>● <b>Editing for Clarity</b> : Misplaced Modifiers, Dangling Modifiers, and Parallel Structure <b>Barron’s Textbook: pages 146 to 154</b></li> <li>● <b>Editing for Language Usage and Mechanics</b> : Sentence Fragments , Run-On Sentences, and Comma Splices <b>Barron’s Textbook: pages 165 to 168</b></li> </ul>
<p><b>Textbooks:</b></p> <ul style="list-style-type: none"> <li>● Barron’s Language and Composition Textbook</li> <li>● HMH Online Source</li> </ul> <p><b>Important Note:</b> Refer to the presentations and resources on Canvas for all included material, as well as all the exit tickets, homework, and tasks on <b>MS Teams and HMH.</b></p>	

**Grade 12 – WORLD LITERATURE**

<b>Unseen Reading Comprehension:</b>	An unseen passage with comprehension questions that are suitable for your grade-level. For Practice, you may answer reading activities on Achieve 3000.
<b>Literary Skill: Literature &amp; Vocabulary:</b>	<p><b>Hamlet Act 2,3,4,5:</b> Analyze dramatic plot, soliloquy and conflict</p> <p><b>A Modest Proposal:</b> Analyze Satire , Understand Author’s Purpose</p> <p><b>Vocabulary:</b> Sustenance, Prodigious, Rudiment, Collateral, Scrupulous, Encumbrance, Inducement (Using Context Clues)</p>
<p><b>Platforms for Resources:</b> HMH Into Literature Grade 12 <a href="https://www.hmhco.com/ui/login/?state=https%3A%2F%2Fwww.hmhco.com%2Fui%2F">https://www.hmhco.com/ui/login/?state=https%3A%2F%2Fwww.hmhco.com%2Fui%2F</a></p> <p><b>Important Note:</b> Refer to the presentations and resources on Canvas (<i>Hamlet Act 2,3,4,5 and A Modest Proposal</i> Modules) for all included material, as well as all the exit tickets, homework, and tasks on Canvas and MS Teams. <a href="https://gis-ae.instructure.com/login/canvas">https://gis-ae.instructure.com/login/canvas</a></p>	

**Grade 12 – WOMEN IN LITERATURE**

<b>Unseen Reading Comprehension:</b>	An unseen passage with comprehension questions that are suitable for your grade-level. For Practice, you may answer reading activities on Achieve 3000.
<b>Literary Skill: Literature &amp; Vocabulary:</b>	<p><b><u>Chapter 4: The Quest for Freedom</u></b> Lesson 4: Aftermath of the Civil War by Mary Boykin Chesnut</p> <p><b><u>Vocabulary:</u></b></p> <ul style="list-style-type: none"> <li>- Capitulated</li> <li>- Improvised</li> <li>- Remnant</li> <li>- Penury</li> <li>- Bivouac</li> </ul> <p><b><u>Chapter 4: The Quest for Freedom</u></b></p> <ul style="list-style-type: none"> <li>- Compare Arguments: Declaration of Sentiments by Elizabeth Cady</li> <li>- Rhetorical devices &amp; Persuasive techniques</li> </ul> <p><b><u>Vocabulary:</u></b></p> <ul style="list-style-type: none"> <li>- Transient</li> <li>- Supposition</li> <li>- Delinquency</li> <li>- Abject</li> <li>- Consolation</li> </ul>
<p><b><u>Platforms for Resources:</u></b> HMH Into Literature Grade 12 <a href="https://www.hmhco.com/ui/login/?state=https%3A%2F%2Fwww.hmhco.com%2Fui%2F">https://www.hmhco.com/ui/login/?state=https%3A%2F%2Fwww.hmhco.com%2Fui%2F</a></p> <p><b><u>Important Note:</u></b> Refer to the presentations and resources on Canvas (<i>Wife of Bath</i> and <i>The Tragedy of Hamlet Act 1</i> Modules) for all included material, as well as all the exit tickets, homework, and tasks on Canvas and MS Teams. <a href="https://gis-ae.instructure.com/login/canvas">https://gis-ae.instructure.com/login/canvas</a></p>	

**Grade 12 – MORAL SOCIAL CULTURAL STUDIES**

Unit	Lesson	Pages
<b>Unit 4: Morality in Practice</b>	<b><u>Lesson 1: Introducing the Project</u></b>	<b>9 to 14</b>
	<b><u>Lesson 2:</u> <b>Project Learning Outcomes and How to Achieve Them</b></b>	<b>16 to 21</b>

- Students are requested to refer to their Canvas, MS Teams, workbook, presentations as well as revise all related content: classwork, worksheets, project sheet, exit tickets and drop quiz.

**Grade 12 – ALGEBRA BASED PHYSICS**

Chapters	Lessons	Canvas Modules
<u>Chapter 16:</u> <b>Electric Force and Fields</b>	Lesson 16.1: <b>Electric Charge</b>	<b>Chapter 16:</b> <b>Electric Force and Fields</b>
	Lesson 16.2: <b>Electric Force</b>	
	Lesson 16.3: <b>Electric Fields</b>	
<u>Chapter 18:</u> <b>Circuits and Circuit Elements</b>	Lesson 18.1: <b>Schematic Diagrams and Circuits</b>	<b>Chapter 18:</b> <b>Circuits and Circuit Elements</b>
	Lesson 18.2: <b>Resistors in Series and parallel</b>	
<b>Other Related Material</b>		
<b>Lab</b>	<b>Water Rocket</b>	
<b>Worksheets</b>	<b>All worksheets for lessons (16.1, 16.2, 16.3, 18.1, 18.2) in Classkick</b>	
Make sure to study Scientific method + PowerPoints+ worksheets+ answer keys+ lab that are uploaded on Canvas.		

**Grade 12 – CHEMISTRY**

Chapter	Lessons	Canvas Modules
<b>Chapter 6</b>	6.1: Introduction to Chemical Bonding	<b>All <u>related</u></b> <b>Modules on</b> <b>Canvas</b>
	6.2: Covalent Bonding and Molecular Compounds	
	6.4: Metallic Bonding	
	6.5: Molecular Geometry	
<b>Other Related Material</b>		
<b>Lab</b>	<b>Properties of ionic and covalent compounds</b>	
<b>Worksheets</b>	<b>All <u>related</u> worksheets on Class kick.</b>	
<b>Make sure you study scientific method + notes + answer keys+ all related PowerPoints in Canvas.</b>		

**Grade 12 – AP BIOLOGY**

AP Unit	Topic	Title	Canvas Modules
<b>7: Natural Selection</b>	1	Introduction to Natural Selection	Course: AP Biology Modules: Unit 7 Module
	2	Natural Selection	
	3	Artificial Selection	
	4	Population Genetics	
	5	Hardy-Weinberg Equilibrium	
	6	Evidence for Evolution	
	7	Common Ancestry	
	8	Continuing Evolution	
	9	Phylogeny	
	10	Speciation	
<b>Self-Study Material</b>			
<b>3: Cellular Energetics</b>	3	Environmental Impacts on Enzyme Function	N/A
	4	Cellular Energy	
	5	Photosynthesis	
	6	Cellular Respiration	
	7	Fitness	
<b>Other Related Material</b>			
<b>Worksheets</b>	All related worksheets in Classkick & AP classroom.		
<b>LABS</b>	Bacterial Culturing		
Study the copybook notes (class notes & self-study notes) and practice questions on the copybook.			

**Grade 12 – BIOLOGY**

Chapter	Lessons	Canvas Modules
<b>Chapter 3: Cell structure and function</b>	Lesson 3.2: <b>Cell Organelles</b>	All the related modules on Canvas
	Lesson 3.3: <b>Cell Membrane</b>	
	Lesson 3.4: <b>Diffusion and Osmosis</b>	
	Lesson 3.5: <b>Active Transport, Endocytosis, and Exocytosis</b>	
<b>Other Related Material</b>		
<b>Lab</b>	Blood clotting	
<b>Worksheets</b>	All uploaded worksheets in Classkick	
<b>Make sure to study Scientific method with all the related modules and worksheets on Canvas.</b>		

**Grade 12 – AP CHEMISTRY**

AP Unit	Topic	Title	Canvas Modules
Unit 4	4.9	Oxidation-Reduction reactions	All <b>Related</b> modules on canvas
Unit 5	5.1	Reaction rates	
	5.2	Introduction to rate law	
	5.3	Concentration changes over time	
	5.4	Elementary reactions	
	5.5	Collision model	
	5.6	Reaction energy profile	
	5.7	Introduction to reaction mechanisms	
	5.8	Reaction mechanism and rate law	
	5.9	Steady state approximation	
	5.10	Multi-step reaction energy profile	
5.11	Catalysis		
SELF STUDY MATERIAL			
Unit 6	6.1	Endothermic and exothermic processes	Classkick Link for Girls: <a href="https://app.classkick.com/#/login/36A56Z">https://app.classkick.com/#/login/36A56Z</a> Classkick Link for Boys: <a href="https://app.classkick.com/#/login/Y4EAKC">https://app.classkick.com/#/login/Y4EAKC</a>
	6.2	Energy diagrams	
	6.3	Heat transfer and thermal equilibrium	
	6.4	Heat capacity and calorimetry	
	6.5	Energy of phase changes	
	6.6	Introduction to enthalpy of reaction	
<b>Worksheets</b>	All related worksheets on Classkick Classkick Link for Girls: <a href="https://app.classkick.com/#/login/LTEYGM">https://app.classkick.com/#/login/LTEYGM</a> Classkick Link for Boys: <a href="https://app.classkick.com/#/login/HUZ4BQ">https://app.classkick.com/#/login/HUZ4BQ</a>		
<b>LAB</b>	Factors that affect the rate of the reaction		

**Grade 12 – MATH FOR BUSINESS AND PERSONAL FINANCE**

Chapter	Lesson	Pages
<u>Chapter 13:</u> <b>Annuities and Sinking Funds</b>	Lesson 13.1: <b>Annuities: Ordinary Annuity and Annuity Due (find future value)</b>	<b>344 to 364</b>
	Lesson 13.2: <b>Present Value of an Ordinary Annuity</b>	
	Lesson 13.3: <b>Sinking Funds</b>	
<u>Chapter 14:</u> <b>Installment Buying</b>	Lesson 14.1: <b>Cost of Installment Buying</b>	<b>376 to 396</b>
	Lesson 14.2: <b>Revolving Charge Credit Cards</b>	

- **Note:** Study from the provided PPT + all related notes on your copybook + all related problems solved from the textbook + Canvas.

**Grade 12 – AP CALCULUS AB**

Chapter/Module	Section Number and Name
<p><u>Unit 3: Differentiation: Composite, Implicit, and Inverse Functions</u></p> <p><u>Unit 4: Contextual Applications of Differentiation</u></p> <p><u>Unit 5: Analytical Applications of Differentiation</u></p>	Lesson 3.1: <b>The Chain Rule</b>
	Lesson 3.2: <b>Implicit Differentiation</b>
	Lesson 3.3: <b>Differentiating Inverse Functions</b>
	Lesson 3.4: <b>Differentiating Inverse Trigonometric Functions</b>
	Lesson 3.5: <b>Selecting Procedures for Calculating Derivatives</b>
	Lesson 3.6: <b>Calculating High Order Derivatives</b>
	Lesson 4.7: <b>Using L'Hospital's Rule for Determining Limits of Indeterminate Forms</b>
	Lesson 5.1: <b>Using the Mean Value Theorem</b>
	Lesson 5.2: <b>Extreme Value Theorem, Global Versus Local Extrema, and Critical Points</b>
	Lesson 5.3: <b>Determining Intervals on Which a Function is Increasing or Decreasing</b>

- **Materials Needed:** Graphical / Scientific calculator.

**Grade 12 – STATISTICS**

Chapter/Module	Section Number and Name	Pages Online Book
<u>CHAPTER 5</u> <b>Probability</b>	Lesson 5.7: <b>Bayes' Theorem</b>	<b>183 to 188</b>
	Lesson 5.8: <b>Counting Rules</b>	<b>189 to 192</b>
<u>CHAPTER 6</u> <b>Discrete Probability Distributions</b>	Lesson 6.1: <b>Discrete Probability Distributions</b>	<b>202 to 204</b>
	Lesson 6.2: <b>Expected Value and Variance</b>	<b>205 to 208</b>
	Lesson 6.4: <b>Binomial Distribution</b>	<b>210 to 216</b>
	Lesson 6.6: <b>Hypergeometric Distribution</b>	<b>224 to 226</b>
<u>CHAPTER 7</u> <b>Continuous Probability Distributions</b>	Lesson 7.1: <b>Continuous Probability Distributions</b>	<b>239 to 241</b>
	Lesson 7.3: <b>Normal Distribution</b>	<b>244 to 246</b>
	Lesson 7.4: <b>Standard Normal Distribution</b>	<b>247 to 259</b>

- **Materials Needed:** Scientific calculator.
- **Note:** All the lessons and pdf files are on teams. Study from your Statistics notebook, worksheets, assignments, e-book as well as textbook pdf files shared with you on teams and canvas site.
- **Canvas site link:** <https://gis-ae.instructure.com/courses/663>

**Grade 12 – ECONOMICS**

Chapter	Lesson	Resources
<b>Chapter 6: Prices and Decision Making</b>	<b>Lesson 1:</b> How Prices Work, Prices as Signals, Advantages of Prices, What If We Did Not Have Prices? Rationing, Problems with Rationing.	Online Resource- Understanding Economics E-book
	<b>Lesson 2:</b> The Effects of Prices, How Prices Adjust, Equilibrium, Surpluses and Shortages	
	<b>Lesson 3:</b> Social Goals, Prices, and Market Efficiency. Controlling Prices, Price Ceilings and Price Floors	
<b>Chapter 7: Market Structure</b>	<b>Lesson 1:</b> Competition and Market Structures	Online Resource- Understanding Economics E-book
	<b>Lesson 2:</b> Market Failures	
	<b>Lesson 3:</b> The Role of Government	
<b>Chapter 13: Business Cycles and fluctuations</b>	<b>Lesson 1:</b> Business Cycles and Economic Instability	Online Resource- Understanding Economics E-book
	<b>Lesson 2:</b> Inflation	
	<b>Lesson 3:</b> Unemployment	

- **Note:** Revise from the provided PPTs, all the notes written in your notebook, worksheets, material provided on the Teams, Revision sheets provided in the class and the e-textbook.

**Grade 12 – PSYCHOLOGY**

Chapter	Topic	Lesson
Chapter 6	Body and Behavior	Lesson 1: <b>The basics of the nervous system.</b>
		Lesson 2: <b>Studying the brain.</b>
Chapter 7	Altered States of Consciousness.	Lesson 1: <b>Sleep and Dreams</b>
		Lesson 3: <b>Drugs and consciousness.</b>
Chapter 16	Psychological Disorders	Lesson 1: <b>Defining psychological disorders.</b>

- Students are requested to refer to their MS Teams, Canvas, McGraw Hill Online Textbook, presentations, videos, project as well as revise all related content: classwork, worksheets, exit tickets and drop quiz.

**Grade 12 – INTERNATIONAL RELATIONS**

Chapter	Lesson	Pages
<u>Part I:</u> <b>Foundations of International Relations</b>	Chapter 3: <b>Theories of International Relations</b>	<b>PowerPoint</b>
	Chapter 4: <b>The analysis of Foreign Policy</b>	<b>PowerPoint + 125, 126, 128, 129</b>

**Note:**

Students are requested to refer to their Canvas site, MS Teams, textbook, presentations, videos as well as revise all related content: classwork, worksheets, exit tickets and drop quiz.

**Grade 12 – ANTHROPOLOGY**

Unit	Chapter(s)	
<u>Unit 2:</u> <b>Biological Anthropology and Archaeology</b>	Chapter 7: <b>The Primates</b>	<b>PowerPoint Presentations</b>
	Chapter 10: <b>The origin and spread of Modern Humans</b>	
	Chapter 11: <b>The first Farmers</b>	
	Chapter 12: <b>The first cities and states</b>	
<u>Unit 3:</u> <b>Appreciating Cultural Diversity</b>	Chapter 14: <b>Language and communication</b>	

**Note:**

Students are requested to refer to their Canvas site, MS Teams, online textbook, presentations, videos, and revise all related content: classwork, worksheets, exit tickets and drop quiz.

**Grade 12 – ANIMATION****From Techno Blender and PDF Available on Canvas"****(Theoretical and Practical)**

- All about 3D and AR

**Techno Blender:**

- Session 1: Basics of Blender
- Session 2: Modeling Techniques
- Session 3: Creating the Planet Saturn

**E-safety**

- News and Media Literacy

**Note:** All the Worksheets, Drop quizzes, Exit tickets, and the content uploaded on Canvas and Teams related to the above-mentioned topics are included.



**Grade 12 – MASS COMMUNICATION**

Chapter	Lesson
Chapter 1	Introduction to Mass Communication (page 2)
Chapter 2	Media Literacy (page 30)
Chapter 3	Newspaper (page 74)
Chapter 5	Magazines (page 98)
<ul style="list-style-type: none"> <li>● <b>Textbook</b> : “<b>Introduction to Mass Communication</b>”</li> <li>● <b>Note</b>: Refer to your book, notes, Teams, Canvas and the PPT presentations provided by the teacher.</li> </ul>	

**Grade 12 – INTRODUCTION TO ASTRONOMY**

Units	Canvas Modules
Unit 1: Our Planetary Neighborhood	All Related Modules on Canvas
Unit 2: Beyond the Solar System	
Unit 8: Lunar Cycles	
Unit 16: The Universal Law of Gravity	
<b>Other Related Material</b>	
<b>Lab</b>	The Hidden lives of Galaxies
<b>Worksheets</b>	All related worksheets on Canvas
<b>Make sure you study your notes and all related PowerPoints on Canvas.</b>	

**Grade 12 – CALCULUS BASED PHYSICS**

Chapters	Lessons	Canvas Modules
<u>Chapter 4:</u> <b>Dynamics</b>	Lesson 4.6: <b>Incline Plane</b>	<b>Chapter 4:</b> <b>Dynamics</b>
	Lesson 4.7: <b>Tension Force</b>	
<u>Chapter 9:</u> <b>Rotational motion</b>	Lesson 9.1: <b>Rotational Kinematics</b>	<b>Chapter 9:</b> <b>Rotational Motion</b>
	Lesson 9.2: <b>Rotational Dynamics</b>	
<b>Other Related Material</b>		
<b>Lab</b>	Water Rocket	
<b>Worksheets</b>	All worksheets for lessons (4.6-4.7-9.1-9.2) in Classkick	
<b>Make sure to study Scientific method + PowerPoints+ worksheets+ answer keys+ lab that are uploaded on Canvas.</b>		

**Grade 12 – MARKETING ESSENTIALS**

Chapter	Section	Pages
<b>Chapter 1: Marketing Today and Tomorrow</b>	• 1.1.1 The Importance of Studying Marketing.	<b>4</b>
	• 1.1.2 The Seven Marketing Functions.	<b>6</b>
	• 1.1.3 Define Marketing	<b>9</b>
	• 1.3.1 Define the Marketing Concept.	<b>18</b>
	• 1.3.2 How Businesses Implement the Marketing Concept, Marketing Mix, Target Markets	<b>21</b>
<b>Chapter 2: Socially Responsible Marketing</b>	• 2.1 Impact of Marketing	<b>37</b>
	• 2.2 Criticisms of Marketing	<b>43</b>
	• 2.3 Marketing and Social Responsibility	<b>49</b>
<b>Chapter 3: The Economic Basics of Marketing</b>	• 3.1 Scarcity and Private Enterprise	<b>62</b>
	• 3.1Types of Economic systems	<b>63</b>
	• 3.2 The Law of Supply and Demand	<b>67</b>
	• 3.3 Types of economic competition	<b>74</b>
	• 3.4 Economic Utility	<b>81</b>
<b>Chapter 7: Competition is Everywhere</b>	• 7.1.1 Market Segmentation	<b>182</b>
<b>Chapter 9: Develop a Marketing Strategy and Marketing Plan</b>	• 9.4.2 SWOT Analysis.	<b>263</b>
	• PEST Analysis.	<b>263</b>
	• 9.4.2. Basic Elements of a Marketing Plan	<b>264</b>

- **Note:** Revise from the provided PPTs, all the notes written in your notebook, work done on Teams, Canvas, and the online textbook.

**Grade 12 - ISLAMIC A****التربية الإسلامية**

الصفحات	اسم الدرس	الرقم	المجال
<b>19 to 8</b>	التواصل الاجتماعي آداب وسلوك - سورة النور -	- 1	الوحي الإلهي
<b>33 to 20</b>	المنهج النبوي في الرعاية الصحية	- 2	

ملاحظة : المراجعة من الكتاب المدرسي ومنصة ألف

**Grade 12 – ISLAMIC B**

Lesson	Pages	Note
1- Marriage is a Path to Chastity: (Surah An-Noor 32-34)	<b>10 to 28</b>	All the work done on Teams' notebook, Assignments, Canvas and Textbook
2- Creative Thinking in Islam	<b>30 to 47</b>	

**Grade 12 – ARABIC A**اللغة العربية

سيكون الاختبار في نصوص خارجية تطبق عليها النواتج والمهارات المدروسة في الدروس الآتية:			
الصفحات	اسم الدرس	الرقم	الموضوع
<b>ص58</b>	قصة " السماور "	1	القراءة والنصوص
<b>ص42</b>	نص شعري " جادك الغيث "	2	
<b>ص101</b>	الجملة الفعلية (الفعل ، الفاعل )	1	القواعد
<b>ص133: ص136 ص143: ص145</b>	المفعول به . المفعول المطلق	2	
الاستعارة بنوعيتها . التشبيه التمثيلي والضمي . الجناس ، الطباق ، والمقابلة			البلاغة
كتابة المقال أو القصة مع مراعاة معايير الكتابة للفن المطلوب			الكتابة الإبداعية
مراعاة المهارات النحوية والبلاغية السابق دراستها.			ملاحظات

**Grade 12 – ARABIC B**

سيكون الاختبار في نصوص من الكتاب أو نصوص خارجية تطبق عليها النواتج والمهارات المدروسة في الدروس الآتية:			
الصفحات	اسم الدرس	الرقم	الموضوع
<b>جميع صفحات الدرس</b>	درس معارض الكتاب	1.	القراءة والنصوص
	درس معرض الوظائف	2.	
	درس العدد	1.	القواعد
	درس كان وأخواتها	2.	
	التشبيه - الجناس .	1.	البلاغة
	المقابلة - السجع	2.	
كتابة مقال مع مراعاة معايير الكتابة للفن المطلوب			الكتابة
All the work done in the text ,note , ppt.and worksheet			ملاحظات