

**Grade 12: End of Semester 2 Exams Required Material 2023 - 2024****Grade 12 – ENGLISH LANGUAGE & COMPOSITION**

Unseen Reading Comprehension:	An unseen passage with comprehension questions that are suitable for your grade-level. (For Practice, you may answer several reading activities on Achieve 3000).
Research Skills (APA Style) :	APA Research Major Sections : title, abstract, introduction and literature review, method, results, discussion, and references.
Language Usage Skills :	<ul style="list-style-type: none"> ● Punctuation: Commas / Semicolons/ Quotation/ Apostrophes <p>Barron’s Textbook pages 184 to 187</p> <ul style="list-style-type: none"> ● Proofreading Practice : Prepare for proofreading passages for spelling errors, punctuation, and capitalization.
Academic Writing Skills:	<p><u>Rhetorical Analysis Essay:</u> <i>You will be required to write a rhetorical analysis essay that involves analyzing how an author uses rhetorical strategies to achieve a specific purpose. Word Limit: 200-250</i></p> <p><u>Read Carefully:</u> <i>Begin by thoroughly reading the text you're analyzing. Pay attention to the author's argument, tone, and the rhetorical strategies used. This can include types of figurative language (metaphor, simile, personification, pun, irony, etc.) elements of syntax (parallelism, juxtaposition, repetition etc), or persuasive appeals (pathos, ethos, logos).</i></p> <p><u>Structure Your Essay:</u></p> <p>Introduction: Provide context about the text and author. Clearly state the author's purpose and your thesis statement, which should outline the rhetorical strategies you'll analyze.</p> <p>Body Paragraphs: Dedicate each paragraph to analyzing a specific rhetorical strategy or device. Provide examples from the text and explain how each device contributes to the author's argument. Support your analysis with direct quotes or paraphrases from the text.</p> <p>Conclusion: Summarize your analysis and restate your thesis. Reflect on the effectiveness of the author's rhetorical choices and their impact on the audience.</p>
<p><u>Textbook and Platforms:</u></p> <ul style="list-style-type: none"> ● Barron’s Language and Composition Textbook ● Canvas: https://gis-ae.instructure.com/login/canvas <p><u>Important Note:</u></p> <ul style="list-style-type: none"> ● Refer to the presentations and resources on Canvas for all included material, as well as all the Exit Tickets, homework, and tasks on MS Teams. 	

**Grade 12 – WOMEN IN LITERATURE**

Unseen Reading Comprehension:	An unseen passage with comprehension questions that are suitable for your grade-level. (For Practice, you may answer several reading activities on Achieve 3000).
Literature and Vocabulary	<ul style="list-style-type: none"> ● Compare & Contrast: Comparing poems ● Paraphrasing and Summarizing ● Figurative language: analyzing theme, structure, and imagery. ● Unit 1: Foundations and Encounters: Early American Literature <p>Poem 1: <i>Here Follow Some Verses Upon the Burning of Our House, July 10th, 1666</i> by Anne Bradstreet.</p> <p>Poem 2: <i>World, in Hounding Me...</i> by Sor Juana Ines de la Cruz</p> <p>Vocabulary:</p> <ul style="list-style-type: none"> - Succorless - Repine - Vanity - Chide - Moldering - Pelf - Hounding - Astutely - Comeliness <p>Poem 3: <i>New Orleans</i> by Joy Harjo</p>
Writing Skill:	You will be composing a <i>literary analysis essay</i> of 200 to 250 words during the exam comparing and contrasting a topic related to the studied selections. You will be given a prompt and rubric, and you must complete the essay within the time limit of the exam. Studying all class discussions and literary criticisms of the three poems is crucial to answering the written assessment with confidence and efficiency.
<p>Platforms for Resources:</p> <ul style="list-style-type: none"> ● HMH: https://www.hmhco.com/ui/login ● Canvas: https://gis-ae.instructure.com/login/canvas <p>Important Note:</p> <ul style="list-style-type: none"> ● Refer to the presentations and resources on Canvas for all included material, as well as all the Exit Tickets, homework, and tasks on MS Teams. 	

**Grade 12 – WORLD LITERATURE**

Unseen Reading Comprehension:	An unseen passage with comprehension questions that are suitable for your grade-level. (For Practice, you may answer several reading activities on Achieve 3000).
Literature and Vocabulary	<ul style="list-style-type: none"> ● Novel: “Frankenstein” ● APA Research Terminology: Different parts of a research paper, APA citation, determining credibility of sources ● Context Clues
Writing Skill:	<p>Analytical Response Writing an analytical response based on the literature (Frankenstein) using the PEEL method</p> <p>Word Limit: 200-250</p>
<p>Platforms for Resources:</p> <ul style="list-style-type: none"> ● HMH: https://www.hmhco.com/ui/login ● Canvas: https://gis-ae.instructure.com/login/canvas <p>Important Note: Refer to the presentations and resources on Canvas (<i>APA Research Paper</i> and <i>Frankenstein</i>) for all included material, as well as all the exit tickets, homework, and tasks on Canvas and MS Teams. https://gis-ae.instructure.com/login/canvas</p>	

Grade 12 – MORAL SOCIAL CULTURAL STUDIES

Unit	Lesson	Pages
<u>Unit 4</u> Morality in Practice	Lesson 2: Project Learning Outcomes and How to Achieve Them	16 to 21
<u>Unit 5</u> Background Research	Lesson 1: Introduction to Research Methods	29 to 35, 37, 41
<u>Unit 7</u> Research Project	Lesson 3: Writing a Research Report	138 to 140, 144

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

**Grade 12 – ALGEBRA BASED PHYSICS**

Chapter	Section	Canvas Modules
<u>Chapter 18:</u> Circuits and Circuit Elements	18.2: Resistors in Series or in Parallel	Chapter 18: Circuits and Circuit Elements
	18.3: Complex Resistor Combinations	
<u>Chapter 19:</u> Magnetism	19.1: Magnets and Magnetic Fields	Chapter 19: Magnetism
	19.2: Magnetism from Electricity	
	19.3: Magnetic Force	
Labs	Water Rocket LAB	
Worksheets	All worksheets for lessons (18.2-18.3-19.1-19.2-19.3) in class kick are included.	
Make sure to study all PowerPoints, worksheets, answer keys and labs.		

Grade 12 – AP BIOLOGY

AP Unit	Topic	Title	Canvas Modules
8: Ecology	1	Response to the Environment	Course: AP Biology Modules: Unit 8
	2	Energy Flow Through Ecosystems	
	3	Population Ecology	
	4	Effect of Density of Populations	
	5	Community Ecology	
	6	Biodiversity	
	7	Disruptions to Ecosystems	
Self-Study Material			
4: Cell Communication & Cell Cycle	5	Feedback	N/A
	7	Regulation of Cell Cycle	
Worksheets	All worksheets on Classkick & AP classroom. Study the copybook notes (class notes- self-study notes) and practice questions on the copybook.		
LABS	<ul style="list-style-type: none"> • Kidney Dissection Lab Report & Class notes • Heart Dissection Lab Report & Class notes • Eye Dissection Lab Report & Class notes 		

**Grade 12 – BIOLOGY**

Chapter	Section	Canvas Modules
Chapter 4: Cells and Energy	4.2: Overview of Photosynthesis	All the related modules on Canvas
	4.3: Photosynthesis in Detail	
	4.4: Overview of Cellular Respiration	
	4.5: Cellular Respiration in Detail	
	4.6: Fermentation	
Labs	Blood clotting	
Worksheets	All the uploaded worksheets on Classkick	
Make sure to study all the related modules worksheets on Canvas.		

Grade 12 – CHEMISTRY

Chapter	Section	Canvas Modules
Chapter 7	7.1: Chemical Names and Chemical formulas	All Related Modules on Canvas
	7.3: Using chemical formulas	
	7.4: Determining chemical formulas	
Labs	Hydrogen Harvest lab sheet experiment	
Worksheets	All Related worksheets on Class kick	
Make sure you study scientific method + notes + answer keys+ all related power points on Canvas.		

**Grade 12 – AP CHEMISTRY**

AP Unit	Topic	Title	Canvas Modules
Unit 7	7.1	Introduction to Equilibrium	Unit 7 and 8 Modules on Canvas
	7.2	Introduction to rate law	
	7.3	Reaction Quotient and Equilibrium Constant	
	7.4	Calculating the Equilibrium Constant	
	7.5	Magnitude of the Equilibrium Constant	
	7.6	Properties of the equilibrium Constant	
	7.7	Calculating Equilibrium Concentrations	
	7.8	Representations of Equilibrium	
Unit 8	8.1	Introduction to Acids and Bases	
	8.2	pH and pOH of Strong Acids and Bases	
	8.3	Weak Acid and Base Equilibria	
	8.4	Acid- Base Reactions and Buffers	
	8.5	Acid – Base Titration	
	8.6	Molecular Structure of Acids and Bases	
	8.7	pH and pKa	
	8.8	Properties of Buffers	
	8.9	Henderson-Hasselbalch Equation	
	8.10	Buffer Capacity	
Worksheets	All related worksheets on classkick and Padlet Classkick Link for Girls: https://app.classkick.com/#/login/LTEYGM Classkick Link for Boys: https://app.classkick.com/#/login/HUZ4BQ Padlet link: https://padlet.com/mesopotamianlove/ap-chemistry-practice-questions-odk9rq64q8590yyg		

Grade 12 – MATH FOR BUSINESS AND PERSONAL FINANCE

Chapter	Lesson	Pages
<u>Chapter 15:</u> The Cost of Home Ownership	Lesson 15.1: Types of Mortgages and the Monthly Mortgage Payment	402 to 412
	Lesson 15.2: Amortization Schedule—Breaking Down the Monthly Payment	
<u>Chapter 21:</u> Stocks, Bonds, and Mutual Funds	Lesson 21.1: Stocks	548 to 560
	Lesson 21.2: Bonds	
	Lesson 21.3: Mutual Funds	

- 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
<u>Unit 6:</u> Integration and Accumulation of Change	Lesson 6.8: Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation
	Lesson 6.9: Integrating Using Substitution
	Lesson 6.10: Integrating Functions Using Long Division and Completing the Square
	Lesson 6.14: Selecting Techniques for Antidifferentiation
<u>Unit 7: Differential Equations</u>	Lesson 7.1: Modeling Situations with Differential Equations
	Lesson 7.2: Verifying Solutions for Differential Equations
	Lesson 7.3: Sketching Slope Fields
	Lesson 7.6: Finding General Solutions Using Separation of Variables
	Lesson 7.7: Finding Particular Solutions Using Initial Conditions and Separation of Variables
	Lesson 7.8: Exponential Models with Differential Equations

- **Materials Needed:** Graphical calculator

Grade 12 – STATISTICS

Chapter/Module	Section Number and Name	Pages Online Book
<u>CHAPTER 7:</u> Continuous Probability Distributions	Lesson 7.5: Normal Approximations	260 to 263
	Lesson 7.6: Exponential Distribution	264 to 268
<u>CHAPTER 8:</u> Sampling Distributions and Estimation	Lesson 8.1: Sampling and Estimation	280 to 283
	Lesson 8.2: Central Limit Theorem	284 to 288
	Lesson 8.3: Confidence Interval for a Mean (μ) with Known σ	288 to 291
	Lesson 8.4: Confidence Interval for a Mean (μ) with Unknown σ	292 to 297
	Lesson 8.5: Confidence Interval for a Proportion (π)	298 to 304

- **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	Pages
<u>Chapter 7:</u> Market Structure	Lesson 2: Market Failures • Types of market failures • Dealing with externalities • Types of externalities	Online Resource- Understanding Economics E-book
	Lesson 3: The Role of Government	
<u>Chapter 12:</u> Macroeconomic Performance	Lesson 1: Measuring the Nation's Output and Income	
<u>Chapter 14:</u> Sources of Government Revenue	Lesson 1: Taxes	
	Lesson 2: Federal Government Finances	
	Lesson 3: State and Local Government Finances	
<u>Chapter 18:</u> Global Economic Development	Lesson 1: Economic Development	

- **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	Lesson(s)	Pages
<u>Chapter 16:</u> Psychological Disorders	Lesson 3 (Part 2): Somatoform and Dissociative Disorders	2 to 5
	Lesson 4: Schizophrenia and other Disorders	PowerPoint
	Lesson 5: Personality Disorders and Drug Addiction	2 to 9
<u>Chapter 17:</u> Therapy and Change	Lesson 2: Psychoanalysis and Humanistic Approaches	1 to 3, 5 to 7
	Lesson 3: Cognitive and Behavioral Therapies	PowerPoint
	Lesson 4: Biological Approaches to Treatment	2 to 6

Note:

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

**Grade 12 – INTERNATIONAL RELATIONS**

Chapter	Lesson	Pages
<u>Part I:</u> Foundations of International Relations	Chapter 5: Framing International Relations: The Role of Laws and Organizations	PowerPoint Pages 159 to 161
<u>Part II:</u> War and Peace: An Introduction to Security Studies	Chapter 8: Modern Technology, the Use of Force, and the Practice of International Relations	PowerPoint Pages 280 to 283

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, quiz, and drop quiz.

Grade 12 – ANTHROPOLOGY

Unit	Chapters	Resources
<u>Unit 3:</u> Appreciating Cultural Diversity	Chapter 16: Making a living	PowerPoint presentations
	Chapter 22: Art, Media and Sport	
	Chapter 24: Anthropology's Role in Globalizing World	

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

Grade 12 – MASS COMMUNICATION

Chapter	Lesson
Chapter 5	History of Mass Communication
Chapter 6	Magazines
Chapter 7	Advertisements
<ul style="list-style-type: none"> Textbook: <u>"Introduction to Mass Communication"</u> <u>Note:</u> Refer to your book, notes, Teams, Canvas, and the PPT presentations. 	

**Grade 12 – INTRODUCTION TO ASTRONOMY**

UNIT		Canvas Modules
Unit 32: Earth's Atmosphere and Space Observatories		All Related Modules on Canvas
Unit 34: The Structure of the Solar System		
Unit 37: Earth as a Terrestrial Planet		
Unit 51: The Sun, Our Star		
Labs	Investigating the Solar System	
Worksheets	All related worksheets on Canvas	
Make sure you study your notes and all related PowerPoints on Canvas.		

Grade 12 – CALCULUS BASED PHYSICS

Chapter	Section	Canvas Modules
<u>Chapter 9:</u> Rotational Dynamics	9.2 Rotational Dynamics (Moment of Inertia)	Chapter 9: Rotational Dynamics
	9.3 Rotational Dynamics (Rotational Kinetic Energy)	
	9.4 Rotational Dynamics (Angular Momentum)	
	9.5 Rotational Dynamics (Kepler's Second Law)	
<u>Chapter 12:</u> Universal Gravitation	12.1 Newton's Law of Universal Gravitation	Chapter 12: Universal Gravitation
	12.2 Gravitation Near the Surface Of The Earth	
Labs	Water Rocket LAB	
Worksheets	All worksheets for lessons (9.2-9.3-9.4-9.5-12.1-12.2) in class kick are included.	
Make sure to study all PowerPoints, worksheets, answer keys and labs.		

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

- Blender

Techno Blender:

- Session 1 (Basics of Blender)
- Session 2 (Modeling Techniques)
- Session 4 (Creating the Solar System)
- Session 5 (Animation using armature)

E-safety

Artificial Intelligence_ Is It Plagiarism

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 – MARKETING ESSENTIALS

Chapter	Section	Pages
Chapter 18: Marketing in a Global Economy	Lesson 18.1: How International Trade Works (Importing and exporting)	498 to 506
	Lesson 18.2: International Ventures (Licensing, contract manufacturing, and joint ventures foreign direct investment)	
Chapter 21: Entrepreneurship and Marketing	Lesson 21.1: Understand Entrepreneurship (What is Entrepreneur, Importance of Entrepreneurship, Traits of an Entrepreneur, Prepare for Entrepreneurship)	577 to 596
	Lesson 21.2: Business Ownership	
	Lesson 21.3: The Business Plan	
Chapter 22: Take Control With Management	Lesson 22.1 The Functions of Management	603 to 621
	Lesson 22.2 Manage with a Marketing Plan	
	Lesson 22.3 The Marketing Manager Role	

- **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
من ص 64 - ص 73	الزواج طريق الاستعفاف	- 1	الوحي الإلهي
من ص 34 - ص 49	البيوع المحرمة	- 1	أحكام الإسلام ومقاصدها
من ص 84 - ص 93	فقه ترتيب الأعمال بحسب مقاصدها	- 2	
من ص 88 - ص 97 ، ج 3	الشيخ زايد بن سلطان رحمه الله تعالى	- 1	السيرة النبوية والشخصيات
من ص 94 - ص 104	العولمة	-1	الهوية والقضايا المعاصرة

ملاحظة : المراجعة من الكتاب المدرسي + منصة ألف

Grade 12 – ISLAMIC B

Lesson	Pages	Note
Allah is the Light of the Heavens & Earth: Surah An-Noor, 35 to 45	92 to 113	All the work done on Teams' notebook, Assignments, Canvas and Textbook
Obedience and Compliance is the Path to Faith	116 to 133	
Tolerance Towards People of Different Faiths	136 to 159	
The Islamic Economic System	178 to 197	
Chaste Families, Pure Society Surat An-Noor 58 to 61	202 to 225	

Grade 12 – ARABIC A**اللغة العربية**

سيكون الاختبار في نصوص خارجية تطبق عليها النواتج والمهارات المدروسة في الدروس الآتية:

الصفحات	اسم الدرس	الرقم	الموضوع
ص 58	قصة " طفل و كلب ذات ليل " من كتاب الجزء الثالث	1	القراءة والنصوص
ص 37	نص شعري " ياليل دعني " من كتاب الجزء الثالث	2	
ص 133	المفعول به	1	القواعد
ص 143 ، ص 146	المفعول المطلق . المفعول لأجله	2	
خبرات سابقة	الطباق والمقابلة والجناس	1	البلاغة
خبرات سابقة	الاستعارة المكنية والتصريحية	2	
كتابة قصة قصيرة مراعيًا الفن الأدبي لعناصر القصة القصيرة			الكتابة الإبداعية



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
جميع صفحات الدرس All the pages	درس في الطب	1.	القراءة والنصوص
	درس في التكنولوجيا	2.	
	إن وأخواتها	1.	القواعد
	الاسم المقصور والاسم المنقوص والاسم الممدود	2.	
	التشبيه - الجناس	1.	البلاغة
	الطباق - المقابلة	2.	
	كتابة مقال	1	الكتابة
All the work done in the text ,note , ppt. and worksheet			ملاحظات