



Grade 12: End of Semester 1 Exams Required Material 2024 – 2025

Grade 11/12 - AMERICAN LITERATURE

Unseen Reading Comprehension: (Informational Text)	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"> • Unit 2: Lesson 2: The Declaration of Independence https://www.hmhco.com/content/literature/into_lit/g11/student/epub/iln21en_ese_g11u01_student/#cards--11le_13_ese_worldturtleback_rd <ul style="list-style-type: none"> - Make inferences - Absolute / Extreme Language - Writer’s Argument - Ethos, Pathos, and Logos - Imagery - Figurative Language - Anaphora - Rule of Three - Persuasive Techniques (Inclusive first-person pronouns, facts, anecdotes, etc.) - Precise Lexis - Contrast & Juxtaposition <p>Vocabulary – Multi-meaning Words: candid, wholesome, pressing, relinquish, formidable, tyrant, annihilation, obstruct, render, alter, plunder, ravage, mercenaries, perfidy, insurrection, petition, wanting, magnanimity, disavow, usurpation</p>
Writing:	Response to Literature: The Declaration of Independence: Argumentative Essay (250 to 300 words)
<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 annotations we made in Unit 2: The Declaration of Independence on HMH and any other shared files with the students that are relevant to the topics and skills above. 	



Grade 11/12 – WORLD LITERATURE

Unseen Reading Comprehension: (Informational Text)	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">● Hamlet Act 1,2,3,4,5● Skills:<ul style="list-style-type: none">- Analyze dramatic plot- Analyze soliloquy- Analyze conflict- Analyze themes in “Hamlet”- Use context clues to determine meaning of unknown words.
Writing Skill:	<ul style="list-style-type: none">● You will be given an analytical question that reflects your understanding of the selection, “Hamlet”. You will be required to use the PEEL method Word Count: 200 to 250
Platforms for Resources: <ul style="list-style-type: none">● HMH Into Literature: https://www.hmhco.com/ui/login● Canvas: https://gis-ae.instructure.com/login/canvas	
Important Note: <p>Refer to the presentations and resources on Canvas for all included material, as well as all the exit tickets, homework, and tasks on Canvas https://gis-ae.instructure.com/login/canvas</p>	

**Grade 11/12 – WOMEN IN LITERATURE**

Unseen Reading Comprehension: (Informational Text)	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"> • Selection 3: The Individual and Society: Literature of the American Renaissance • Poem 1-2: Much Madness is Divinest Sense/They Shut me Up in Prose • Literary Analysis: Emily Dickinson Poetic Devices & Theme • Genre: Poetry • Poem 3: In the Season of Change by Terresa Acosta <p><u>Vocabulary:</u></p> <ul style="list-style-type: none"> - Metaphor - Simile - Oxymoron - Personification - Hyperbole - Slant Rhyme - Dashes <p><u>Text Organization</u></p> <ul style="list-style-type: none"> - Compare and contrast - Chronological - Sequence - Problem and solution - Cause and effect <ul style="list-style-type: none"> • Novel “I AM MALALA” Part 1 pages 9 to 47
Writing Skill:	You will be composing a compare & contrast essay of 300 to 350 words during the exam. The topic is related to the selections studied. 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 11/12 – AP ENGLISH LANGUAGE AND COMPOSITION****Part I:**

Unseen reading passage(s) with comprehension questions that are aligned to the **AP standards** (For Practice, refer to the assigned reading quizzes on AP Classroom).

Part II:

The exam will also feature a free-response question (FRQ) that requires students to write an **argumentative essay**. *In this essay, you will need to take a clear position on a given topic, supporting it with well-reasoned evidence and logical reasoning (Min. 300 words / At Least 5 paragraphs).*

***** IMPORTANT NOTE: Students will need to apply the skills learned in the units specified in the table below to successfully answer the questions in Part I and Part II.**

Unit 3:	<ul style="list-style-type: none"> ● 3.4 Reasoning and Organization (Reading) ● 3.6 Reasoning and Organization (Writing) ● Answering MCQ Questions Guide ● AP Barron’s Textbook pages 122 to 124
Unit 4:	<ul style="list-style-type: none"> ● The Argument Essay PPT ● 4.4 (How to Craft an Effective Thesis Statement) ● 4.5 (Targeting MCQ Questions) ● 4.6 Methods of Development to Advance Arguments
Unit 5:	<ul style="list-style-type: none"> ● 5.1 Reasoning and Organization (Reading) ● 5.2 Reasoning and Organization (Writing)
Self-Study	<ul style="list-style-type: none"> ● Self-Study sheet “Glossary of Literary and Rhetorical Devices” attached to the Google Classroom under Unit 1. ● AP Barron’s Textbook: pages 77 to 86 ● 3.1 Claims and Evidence Reading (Assigned videos on CollegeBoard) ● 3.3 Reasoning and Organization Reading (Assigned videos on CollegeBoard) ● 3.5 Reasoning and Organization Reading (Assigned videos on CollegeBoard)

Textbook, Resources, and Platforms:

- **Textbook:** Barron’s AP English Language and Composition Premium
- **AP Classroom:** Study all the assigned materials and videos on the CollegeBoard AP Classroom platform.
- **Canvas:** <https://gis-ae.instructure.com/login/canvas>
- **Google Classroom:** <https://classroom.google.com/c/NzEwNDc1NTE0MDE3?cjc=3mtroq4\>

Important Note:

- *Refer to the presentations and resources available on Canvas/Google Classroom, including all exit tickets, homework, and class tasks. Be sure to review your notebook, as well as any worksheets and handouts distributed in class*

**Grade 12 – MORAL, SOCIAL & CULTURAL STUDIES**

Unit	Lesson	Pages
<u>Unit 1:</u> Ethics in Real Life	Lesson 2: Why does corruption occur?	23 to 34
<u>Unit 3:</u> Globalisation	Lesson 1: Introduction to Globalisation	208, 209, 221 to 223
	Lesson 3: The Sociological Aspect of Globalisation	240 to 242, 246 to 249
	Lesson 4: The Cultural Aspect of Globalisation	Power Point Presentation

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

Grades 11&12 – BIOLOGY

Chapter	Concept	Lesson	Module on canvas
5: Membrane transport and cell signaling	5.1	Cellular membranes are fluid mosaic of lipids and proteins	Chapter 5: Membrane Transport and Cell signaling
	5.2	Membrane structure results in selective permeability	
	5.4	Active transport uses energy to move solutes against their gradients	
7: Cellular respiration and Fermentation	7.1	Catabolic pathways yield energy by oxidizing fuels	Chapter 7: Cellular respiration and Fermentation
	7.2	Glycolysis harvests chemical energy by oxidizing glucose to pyruvate	
	7.3	After pyruvate is oxidized, the citric acid cycle completes the energy yielding oxidation of organic molecules	
	7.4	During oxidative phosphorylation, chemiosmosis couples electron transport to ATP synthesis	
	7.5	Fermentation and anaerobic respiration enable cells to produce ATP without the use of oxygen	
LAB			
Lab	2.	Observing Different Types of Cells Using the Light Microscope	Science Lab
	3.	Enzyme activity	
Scientific Method	1.	Scientific Method worksheet	
Make sure you study the scientific method + notes + worksheets + answer keys + power points in Canvas.			

**Grade 11/12 – AP BIOLOGY**

Chapter	Topic	AP Classroom
Unit 5	5.1: Meiosis	Unit 5 Topics 1 to 6
	5.2: Meiosis and Genetic Diversity	
	5.3: Mendelian Genetics	
	5.4: Non-Mendelian Genetics	
	5.5: Environmental Effects on Phenotype	
	5.6: Chromosomal Inheritance	
Self-Study Unit 1	2.2: Cell Structure and Function	Unit 2 Topics 2, 4 to 9
	2.4: Plasma Membranes	
	2.5: Membrane Permeability	
	2.6: Membrane Transport	
	2.7: Facilitated Diffusion	
	2.8: Tonicity and Osmoregulation	
	2.9: Mechanisms of Transport	
Resources	AP Classroom Unit 5 Topics 1 to 6 & Unit 2 Topics 2, 4 to 9 PowerPoint Presentations on Canvas Unit 5 Module Notebook notes, Self-study sheets on canvas, and classkick assignments.	
Worksheets	AP Classroom assignments, Campbell book assignments	
Make sure you study notes + answer Keys + Power Points on Canvas.		

Grade 11/12 – ALGEBRA BASED PHYSICS

Chapter & Lesson	Title	Canvas Modules
<u>Chapter 3: Two-dimensional motion and vectors</u>	3.3 Projectile motion (only first type)	Chapter3: Two-dimensional motion and vectors
<u>Chapter6: Momentum and collision</u>	6.1 Momentum and impulse	Chapter6: momentum and collision
	6.2 Conservation of momentum	
	6.3 Elastic and inelastic collision	
<u>Chapter 7: Fluid Mechanics</u>	7.1 Fluid and buoyant Force	Chapter 7: Fluid Mechanics
	7.2 Fluid Pressure	
Worksheets	All worksheets for lessons (3.3, 6.1, 6.2, 6.3, 7.1, 7.2) in classkick are included. Each lesson above has worksheet in the classkick written by the name of the lesson.	
Make sure to study all uploaded PowerPoints, worksheets, & answer keys.		

**Grade 11/12 – AP CHEMISTRY**

Chapter	Lesson
Unit 3	3.1 Intermolecular and inter Practical Forces
	3.2 Properties of Solids
	3.3 Solids, Liquids and Gases
	3.4 Ideal Gas Law
	3.5 Kinetic Molecular Theory
	3.6 Deviation from Ideal Gas Law
	3.7 Solutions and Mixtures
	3.8 Representations of Solutions
	3.9 Separation of solutions and Mixtures (Chromatography Lab)
	3.10 Solubility
	3.11 Spectroscopy and Electromagnetic Spectrum
Worksheets	All worksheets are uploaded on Canvas
Resources	Collegeboard Daily Videos Power points uploaded on Canvas. Khan Academy assigned videos. Notebooks notes Google Classroom Assignments
Make sure you study from AP Collegeboard + notes + answer Keys + Power Points in Canvas	

Grade 11/12 – CHEMISTRY

Chapter	Lesson	Canvas
Chapter 8: Basic concepts of Chemical bonding	Lesson 8.4: Bond polarity and electronegativity	Module 8: 8.4: Bond polarity and electronegativity
Chapter 3: Chemical reactions and reaction stoichiometry	Lesson 3.1: Balancing chemical equations	Module 3: 3.1, 3.3, 3.4, 3.5
	Lesson 3.3: Percentage composition	
	Lesson 3.4: Avogadro's number, and the Mole	
	Lesson 3.5: Empirical formulas from analyses	
Worksheets	Study all Classkick worksheets with included answers.	
Lab Reports	Titration lab- Measuring lab tools- pH indicators	
Make sure you study scientific methods + notes + answer keys + power points uploaded in Canvas.		

**Grade 12 – AP CALCULUS AB**

Chapter/Module	Section Number and Name	
<u>Unit 2:</u> Differentiation: Definition and Basic Derivative Rules	Lesson 2.4: Connecting Differentiability and Continuity: Determining When Derivatives Do and Do Not Exist	
	Lesson 2.5: Applying the Power Rule	
	Lesson 2.6: Derivative Rules: Constant, Sum, Difference, and Constant Multiple	
	Lesson 2.7: Derivatives of $\cos x$, $\sin x$, e^x , and $\ln x$	
	Lesson 2.8: The Product Rule	
	Lesson 2.9: The Quotient Rule	
	<u>Unit 3:</u> Differentiation: Composite, Implicit, and Inverse Functions	Lesson 2.10: Finding the Derivatives of Tangent, Cotangent, Secant, and/or Cosecant Functions
		Lesson 3.1: The Chain Rule
		Lesson 3.2: Implicit Differentiation
		Lesson 3.3: Differentiating Inverse Functions
	Lesson 3.4: Differentiating Inverse Trigonometric Functions	

- **Note:** All the lessons and pdf files are on Google Classroom.

Grade 12 – STATISTICS

Chapter/Module	Section Number and Name	Pages Online Book
<u>Chapter 4:</u> Descriptive Statistics	Lesson 4.5: Percentiles, Quartiles and Box Plots	129 to 137
	Lesson 4.6: Covariance and Correlation	138 to 140
	Lesson 4.7: Grouped Data	142 & 143
<u>Chapter 5:</u> Probability	Lesson 5.2: Probability	162 to 164
	Lesson 5.3: Rules of Probability	165 to 170
	Lesson 5.4: Independent Events	171 to 174
	Lesson 5.5: Contingency Tables	175 to 180
	Lesson 5.6: Tree Diagrams	181 & 182

- **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.

**Grade 11/12 – PSYCHOLOGY**

<u>Chapter</u>	<u>Lesson</u>	<u>Resources</u>
<u>Chapter 13:</u> Measuring Achievements, Abilities, and Interests	Lesson 4: Personality Testing	Power point Presentations
<u>Chapter 19:</u> Group Interaction	Lesson 1: Group Behavior	
	Lesson 2: Conformity and Obedience	
<u>Chapter 3:</u> Infancy and Childhood	Lesson 1: Physical, Perceptual, and Language Development	

● **Note:**

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

Grade 11/12 – ANTHROPOLOGY

<u>Unit</u>	<u>Chapter(s)</u>	<u>Resources</u>
<u>Unit 2:</u> Biological Anthropology and Archaeology	Chapter 5: Evolution and Genetics	PowerPoint Presentations
	Chapter 6: Human Variation and Adaptation	
	Chapter 7: The Primates	

- 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 quizzes.

Grade 11/12 – INTERNATIONAL RELATIONS

<u>Chapter</u>	<u>Lesson</u>	<u>Pages</u>
Part One: History and Theory	Chapter 3: Discovery, Conquest and Colonialism	PowerPoint Presentation
	Chapter 4: Towards Global International Relations	
	Chapter 6: Traditional and Middle Ground Theories	pages 51 & 52
	Chapter 7: Critical Theories	PowerPoint Presentation
Part Two: Global Structures	Chapter 8: International Organizations	

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

**Grade 11/12 – ECONOMICS**

Chapter	Lesson	Resources
<u>Chapter 5:</u> Supply	1: What Is Supply? <ul style="list-style-type: none"> • The Supply Schedule • The Individual Supply Curve • The Market Supply Curve • Comparing a Change in Quantity Supplied to a Change in Supply • Elasticity of Supply 	<p>Online Resource-Understanding Economics E-book</p>
<u>Chapter 6:</u> Prices	1: How Prices Work <ul style="list-style-type: none"> • Prices as Signals • Advantages of Prices • Rationing 2: The Effects of Prices <ul style="list-style-type: none"> • How Prices Adjust • Equilibrium—When the Price Is Just Right 3: Social Goals, Prices, and Market Efficiency <ul style="list-style-type: none"> • Controlling Prices • Price Ceilings • Price Floors • When Markets Talk 	
<u>Chapter 8:</u> Business Organization	1: Forms of Business Organization 2: Business Growth and Expansion <ul style="list-style-type: none"> • Growth Through Reinvestment (Compounding) • Growth Through Mergers 3: Conglomerates 4: Multinationals	
<u>Chapter 9:</u> Labor and Wages	1: The Labor Movement 2: Wages and Labor Disputes <ul style="list-style-type: none"> • Wage Determination • Market Theory of Wage Determination • Theory of Negotiated Wages • Signaling Theory 	

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

**Grade 11/12 – ENTREPRENEURSHIP**

Chapter	Lesson	Resources
<u>Chapter 6:</u> Assessment of Entrepreneurial Opportunities	6-4 Developing an Effective Entrepreneurial Team 6-5 Why New Ventures Fail 6-6 The Traditional Venture Evaluation Processes <ul style="list-style-type: none"> ➤ Profile Analysis Approach ➤ Feasibility Criteria Approach ➤ Comprehensive Feasibility Approach 6-7 The Contemporary Methodologies for Venture Evaluation <ul style="list-style-type: none"> ➤ The Lean Start-Up Methodology 	Online Resource-Entrepreneurship: Theory, Process, Practice
<u>Chapter 9:</u> Legal Challenges for Entrepreneurial Ventures	9-1 Intellectual Property Protection: Patents 9-2 Intellectual Property Protection: Copyrights 9-3 Intellectual Property Protection: Trademarks 9-3b Trade Secrets 9-4 Legal Forms for Entrepreneurial Ventures	Online Resource-Entrepreneurship: Theory, Process, Practice
<u>Chapter 10:</u> Marketing Challenges for Entrepreneurial Ventures	10-1 The New Marketing Concept for Entrepreneurs 10-2 Marketing Research 10-3 Inhibitors to Marketing Research 10-4 Social Media Marketing 10-5 Entrepreneurial Tactics in Market Research 10-6 The Components of Effective Marketing <ul style="list-style-type: none"> ➤ 10-6a Marketing Philosophy ➤ 10-6b Market Segmentation ➤ 10-6d Channels of Distribution ➤ 10-8 Pricing Strategies ➤ 10-8b Product Life Cycle Pricing ➤ 10-8c Pricing in the Social Media Age 	Online Resource-Entrepreneurship: Theory, Process, Practice

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

Grade 11/12 – INTRODUCTION TO BUSINESS

	Chapter	Resources
Part 4 – Creating Human Resource Advantage	Chapter 10: Managing Human Resources	Refer to Online Book
Part 5 – Marketing: Developing Relations	Chapter 11: Customer-Driven Marketing	
	Chapter 12: Dimensions of Marketing Strategy	
	Chapter 13: Marketing and Social Media	

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

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

Chapter	Lesson	Pages
<u>Chapter 9:</u> Payroll	Lesson 9.1: Calculating Various Types of Employees' Gross Pay	252 to 255
	Lesson 9.2: Computing Payroll Deductions for Employees' Pay: Employers' Responsibilities	256 to 262
<u>Chapter 10:</u> Simple Interest	Lesson 10.1: Calculation of Simple Interest and Maturity Value	276 to 278
	Lesson 10.2: Finding Unknown in Simple Interest Formula	279 to 280
	Lesson 10.3: U.S. Rule—Making Partial Note Payments before Due Date	282 to 284

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

Grade 12 – PHYSICS CALCULUS BASED

Chapter & Lesson	Title	Canvas Modules
<u>Chapter 2:</u> Motion in a Straight Line	2.4 Acceleration vector	Chapter 2: Motion in one dimension
	2.6 Finding Displacement and Velocity from Acceleration	
	2.7 Motion with constant acceleration	
	2.8 Free fall	
<u>Chapter 3:</u> Motion in two Dimension	3.3 Projectile motion (Type 1,2 & 3)	Chapter 3: Motion in two Dimension
Chapter 4: Force	4.2 Dynamics in one and two dimensions	Chapter 4: Force
Worksheets	All worksheets for lessons (2.4, 2.6, 2.7, 2.8, 3.3, 4.2) in classkick are included. Each lesson above has worksheet in the classkick written by the name of the lesson.	

Make sure to study all PowerPoints, worksheets, & answer keys that are uploaded on Canvas

Grade 11/12 – ROBOTICS

From **TechnoArduino on Canvas:**

(Theoretical and Practical)

- Session 2: **Programming with Arduino**
- Session 3: **Design with Sensors and Buzzer**

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 11/12 - ETHICAL HACKING

From "PDF Available on Canvas"

- Chapter 7: Analyze Vulnerabilities
- Chapter 8: System Hacking
- Chapter 14: Cloud Computing and Internet of Things

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 - ISLAMIC A

التربية الإسلامية

الصفحات	اسم الدرس	الرقم	المجال
من ص 74 – 89	حديث الإفك – عظة وعبرة	- 1	الوحي الإلهي
من ص 44 – 60	الفراق بين الزوجين	- 1	أحكام الإسلام ومقاصدها (معاملات)
من ص 134-141	الشيخة فاطمة بنت مبارك – حفظها الله -	- 1	السيرة النبوية والشخصيات

ملاحظة : المراجعة من الكتاب المدرسي + منصة تيمز + منصة كانفاس

Grade 12 – ISLAMIC B

Lesson	Pages	Note
Allah’s Messenger PBUH and social life	66 to 77	Prepare lessons from textbook, PowerPoints on canvas and work done in textbook & workbook.
The Slander against ‘Ā’ishah	78 to 97	
Divine Laws – Sunan Rabbaniyyah	99 to 111	

**Grade 12 – ARABIC A****اللغة العربية**

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

الصفحات	اسم الدرس	الرقم	الموضوع
50	قصيدة البركة للبحثري	1	القراءة والنصوص
69	قصة : علامة تعجب	2	
13	الجملة الاسمية	1	القواعد
29	كان وأخواتها	2	
62	إن وأخواتها	3	
منصة تيمز	التشبيه وأنواعه	1	البلاغة
منصة تيمز	الاستعارة بنوعها	2	
منصة تيمز	الجناس	3	
كتابة قصة قصيرة مع مراعاة العناصر الأدبية للقصة القصيرة.		الكتابة الإبداعية	
يجب مراعاة المهارات النحوية والبلاغية السابق دراستها .		ملاحظات	