

**Grade 12: End of Semester 2 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 4: The Civil War and Its Aftermath - The Quest for Freedom: Second Inaugural Address by Abraham Lincoln https://www.hmhco.com/content/literature/into_lit/g11/student/epub/ilnl21en_ese_g11u04_student/#cards--11le_13_ese_secondinaugural_rd/https://www.hmhco.com/rce/toc/ <ul style="list-style-type: none"> Understand the required historical context. Identify and explain ethos, pathos, and logos in the speech. Show understanding of figurative language and its effect (personification, metaphor, etc.) Show understanding of inversion and its effect. Make inferences. Explain euphemism, the rule of three, irony, and rhetorical questions. Vocabulary: impending, insurgent, anticipate, fundamental, astounding, discern, ascribe, fervently, unrequited, malice Unit 4: The Civil War and Its Aftermath - An Occurrence at Owl Creek Bridge by Abrose Bierce https://www.hmhco.com/content/literature/into_lit/g11/student/epub/ilnl21en_ese_g11u04_student/#cards--11le_13_ese_occurowlcreek_rd/ <ul style="list-style-type: none"> Show understanding of the Civil War. Identify explicit and implicit meanings. Make inferences. Display understanding of pace and its effect. Analyze descriptive language and its effect. Analyze figurative language (metaphor, personification, simile, hyperbole). Explain irony, flashbacks, characterization, plot twist, suspense, onomatopoeia, and rule of three. Vocabulary: manifestation, apprehension, secessionist, imperious, dictum, inconceivably, periodicity, convulsively, gyration, abrasion
Writing:	<ul style="list-style-type: none"> Response to Literature: Interview Script Writing (250 to 350 words)

Platforms for Resources:

- HMH:** <https://www.hmhco.com/ui/login>
- Canvas:** <https://gis-ae.instructure.com/login/canvas>

Important Note:

Refer to the annotations we made in Unit 4: The Civil War and Its Aftermath - The Quest for Freedom: Second Inaugural Address by Abraham Lincoln and Unit 4: The Civil War and Its Aftermath – An Occurrence at Owl Creek Bridge by Abrose Bierce 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"> ● <u>Novel “Frankenstein” Chapters 1 to 12</u> ● Skills: <ul style="list-style-type: none"> - Analyze themes - Analyze and cite strong and thorough textual evidence to support inferences and arguments about characters, themes, and author’s purpose. - Analyze the impact of the author’s choices regarding how to develop complex characters and how those choices affect the narrative. ● Vocabulary: <ul style="list-style-type: none"> - APA Research Terminology: Different parts of a research paper (ex: Introduction, Literature Review, Methodology etc...) - Determine the meaning of unknown words and phrases using context clues. (You will be given words from the novel).
Writing Skill:	<ul style="list-style-type: none"> ● You will be given an analysis question in response to “Frankenstein”. You will be asked to use the PEEL method. <p>Word Count: 200 to 250</p>
<p>Platforms for Resources:</p> <ul style="list-style-type: none"> ● HMH Into Literature: 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 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	<p><u>G11 Book:</u></p> <ul style="list-style-type: none"> - Compare & Contrast: Comparing poems - Figurative language: analyzing theme, structure, and imagery. - Unit 1: Foundations and Encounters: Early American Literature <p>Poem 1: Here Follow Some Verses Upon the Burning of Our House, July 10th, 1666 by Anne Bradstreet.</p> <p>Poem 2: World, in Hounding Me...by Sor Juana Ines de la Cruz</p> <p><u>Vocabulary:</u> Succorless – Repine – Vanity – Chide – Moldering – Pelf – Hounding - Astutely - Comeliness</p> <p><u>G12 Book:</u> Unit 5: An Era of Rapid Change: The Victorians: Gothic Tradition of Writing</p> <ul style="list-style-type: none"> • From Jane Eyre by Charlotte Bronte <ul style="list-style-type: none"> ○ Analyze first person point of view ○ Analyze setting <p><u>Vocabulary:</u> Ruddy – Indefatigable – Morose – Vogue - Commence</p>
Writing Skill:	You will be composing a literary analysis essay 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: <i>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.</i></p>	

**Grade 11/12 – AP ENGLISH LANGUAGE AND COMPOSITION**

Part I: Unseen reading passage(s).

Part II: Editing for Mechanics and Punctuation.

Part III: The exam will include two free-response questions (FRQs), in which students will be required to write either an argumentative essay or a rhetorical analysis essay.

Part I: Reading

Unseen reading passage(s) with comprehension questions that are aligned to the **AP standards**. For practice, refer to the *following platforms*:

- [Crack AP](#)

Application: Blue Book

Part II
Editing for Mechanics
and Language Usage

Barron's Textbook **pages 156 to 172**, along with all practice materials provided in class.

Part III:
Editing for Mechanics
and Punctuation

Argumentative Essay: (Min. 300 words / At Least 5 paragraphs)

In this essay, you will need to take a clear position on a given topic, supporting it with well-reasoned evidence and logical reasoning

- AP Barron's Textbook **pages 122 to 124**

Rhetorical Analysis Essay: (At Least 4 paragraphs)

You will be required to write a rhetorical analysis essay that involves analyzing how an author uses rhetorical strategies to achieve a specific purpose

- Structure of The Rhetorical Analysis /Analytical Essay (Handout)
- An Analytical Essay (**Barron's Textbook pages 117 to 119**)
- Planning Your Analytical Essay (**Barron's Textbook pages 120 to 122**)
- Self-Study sheet "**Glossary of Literary and Rhetorical Devices**" attached to the Google Classroom under Unit 1.
- Barron's Textbook **pages 77 to 86**

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/NzEwNDc1NTE0MDc3?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
Volume 2 <u>Unit 4:</u> Morality In Practice	Lesson 2: Project Learning Outcomes and How to Achieve Them	Powerpoint Presentation
<u>Unit 5:</u> Background Research	Lesson 1: Introduction to Research Methods	29 to 35
	Lesson 2: The Research Proposal	Powerpoint Presentation
	Lesson 3: Literature Review	58 to 62, 64 to 66
<u>Unit 6:</u> Data Collection and Analysis	Lesson 1: Data Collection	Powerpoint 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.

Grade 11 /12– Introduction to Astronomy

Unit	Lesson	Canvas
Unit 1	<u>Our Planetary Neighborhood:</u> -Only conversions of Au, ly, and Km -Exploration 1	All related uploaded material on Canvas
Unit 16	The Universal Law of Gravity	
Unit 34	The Structure of the Solar System	
Unit 37	Earth as a Terrestrial Planet	
Unit 42	Mars	
Unit 51	The Sun Our Star	
Labs	Exploration1: Radius and Circumference Exploration 2: STEM Parachute Egg Challenge Exploration3: Gizmos Simulation Free Fall tower	
Classkick code Boys	824 P7V	
Classkick code Girls	5TU LUA	
Study online book assignments, exit tickets, worksheets, drop quizzes and quizzes.		

**Grades 11&12 – BIOLOGY**

Chapter	Concept	Lesson	Module on canvas
Chapter 8: Photosynthesis	8.1	Photosynthesis converts light energy to the chemical energy of food	8.Photosynthesis
	8.2	The light reactions convert solar energy to the chemical energy of ATP and NADPH	
	8.3	The Calvin cycle uses the chemical energy of ATP and NADPH to reduce CO2 to sugar	
Chapter 9: The Cell Cycle	9.1	Most cell division results in genetically identical daughter cells	9. The Cell Cycle
	9.2	The mitotic phase alternates with interphase in the cell cycle	
Chapter 10: Meiosis and Sexual Life Cycles	10.1	Offspring acquire genes from parents by inheriting chromosomes	10. Meiosis and sexual life cycles
	10.2	Fertilization and meiosis alternate in sexual life cycles	
Chapter 16: Development, Stem Cells, and Cancer	16.1	A program of differential gene expression leads to the different cell types in a multicellular organism	16. Development stem cells, and cancer
	16.3	Abnormal regulation of genes that affect the cell cycle can lead to cancer	
LAB			
Lab	1.	Investigating Photosynthesis and Cellular Respiration	Science Lab
	2.	Why Aren't All Medicines Pills?	
Scientific Method	1.	Scientific Method worksheet	
Make sure you study the scientific method + notes +worksheets+ answer Keys + power points in Canvas.			

Grade 11/12 – PHYSICS ALGEBRA BASED

Chapter	Lesson	Canvas Modules
Chapter 18	Electric Potential	Chapter 18 Electric Potential and Capacitance
	Capacitors	
	Capacitors in Series and in Parallel	
Chapter 19	Resistance and Ohm’s Law	Chapter 19 Current, Resistance, and Direct-Current Circuits
	Resistors in Series and in Parallel	
	Kirchhoff’s Rules	
Make sure you study the scientific method + Labs+ notes + answer keys + power points on Canvas.		

**Grade 11/12 – AP BIOLOGY**

Chapter	Topic	AP Classroom
Unit 7	7.1 Introduction to Natural Selection	Unit 7 Topics 1 to 13
	7.2 Natural Selection	
	7.3 Artificial Selection	
	7.4 Population Genetics	
	7.5 Hardy-Weinberg Equilibrium	
	7.6 Evidence for Evolution	
	7.7 Common Ancestry	
	7.8 Continuing Evolution	
	7.9 Phylogeny	
	7.10 Speciation	
	7.11 Extinction	
	7.12 Variations in Populations	
	7.13 Origins of Life on Earth	
Self-Study Unit 8	8.5 Community Ecology	Unit 8 Topics 5 & 6
	8.6 Biodiversity	
Resources	AP Classroom Unit 7 Topics 1 to 13 & Unit 8 Topics 5 & 6 PowerPoint Presentations on Canvas Unit 7 Module. Notebook notes, Self-study sheets on canvas, Classclick assignments.	
Worksheets	AP Classroom assignments, Campbell book assignments	
Make sure you study the scientific method + notes on the copybook + answer Keys + power points on Canvas.		

**Grade 11/12 – AP CHEMISTRY**

Chapter	Lesson	Platform
<u>Unit 7</u> Chemical Equilibrium	7.1 Introduction to Equilibrium	All required materials are uploaded on <u>Canvas</u> and <u>College board</u>
	7.2 Direction of Reversible Reactions	
	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	
	7.9 Introduction to Le Châtelier’s Principle	
<u>Unit 8</u> Acids and Bases	8.1 Introduction to Acids and Bases	
	8.2 pH and pOH of Strong Acids and Bases	
	8.3 Weak Acid and Base Equilibria	
Worksheets	All worksheets are uploaded on Canvas.	
<i>Make sure you study from AP College board + notes + answer keys + power points in Canvas.</i>		

Grade 11/12 – CHEMISTRY

Chapter	Lesson	Canvas
5	5.7: Enthalpies of formation	5.7 - Enthalpies of formation pptx Enthalpies of formation worksheet on Classkick
24	24.2: Introduction to hydrocarbons 24.3: Alkenes, alkynes, and aromatic hydrocarbons 24.4: Organic functional groups	Chapter 24 Power Point presentations Worksheets
Worksheets	All worksheets are uploaded on Canvas	
Resources	Power point presentation on Canvas Notebook notes Worksheets on canvas and Classkick	
Make sure you study the scientific method + notes + Answer Keys + power points on Canvas		

**Grade 12 – PHYSICS CALCULUS BASED**

Chapter	Lesson	Canvas Modules
Chapter 10	10.2 Calculation of Moment of Inertia	Chapter 10 Rotation
	10.4 Torque	
	10.7 Angular Momentum	
Chapter 12	12.1 Newton's Law of Gravity	Chapter 12 Gravitation
	12.2 Gravitation near the Surface of the Earth	
	12.5 Kepler's Laws and Planetary Motion	
Worksheets	All <u>related</u> worksheets on Classkick.	
Make sure you study the scientific method + Labs + notes + answer keys + power points on Canvas.		

Grade 12 – MATH FOR BUSINESS & PERSONAL FINANCE

Chapter	Lesson	Pages
<u>Chapter 15:</u> The Cost of Home Ownership	Lesson 15.1: Types of Mortgages and 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 – STATISTICS**

Chapter/Module	Section Number and Name	Pages Online Book
<u>Chapter 7:</u> Continuous Probability Distributions	Lesson 7.5: Normal Approximations	254 to 256
	Lesson 7.6: Exponential Distribution	258 to 262
<u>Chapter 8:</u> Sampling Distributions and Estimation	Lesson 8.3: Central Limit Theorem	277 to 281
	Lesson 8.4: Confidence Interval for a Mean (μ) with Known σ	282 to 285
	Lesson 8.5: Confidence Interval for a Mean (μ) with Unknown σ	286 to 291
	Lesson 8.6: Confidence Interval for a Proportion (π)	292 to 297
	Lesson 8.7: Estimating from Finite Populations	299 & 300
	Lesson 8.8: Sample Size Determination for a Mean	301 & 302

- **Note:** All the lessons and pdf files are on teams/ CANVAS. Study from your Statistics notebook, worksheets, assignments, e-book as well as textbook pdf files shared with you on teams and canvas site.
- **Materials Needed:** Scientific calculator.
- **Site:** <https://connect.edu.mheducation.com/>

Grade 12 – AP CALCULUS AB

Chapter/Module	Section Number and Name
<u>Unit 6:</u> Integration and Accu	Topic 6.6: Applying Properties of Definite Integrals
	Topic 6.7: The Fundamental Theorem of Calculus and Definite Integrals
	Topic 6.8: Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation
	Topic: 6.9 Integrating Using Substitution
	Topic 6.10: Integrating Functions Using Long Division and Completing the Square
	Topic 6.14: Selecting Techniques for Antidifferentiation
<u>Unit 7</u>	Topic 7.6: Finding General Solutions Using Separation of Variables
	Topic 7.7: Finding Particular Solutions Using Initial Conditions and Separation of Variables

**Grade 11/12 – PSYCHOLOGY**

Chapter	Lesson	Pages
<u>Chapter 16:</u> Psychological Disorders	Lesson 3 (Part 2): Somatoform and Dissociative Disorders	PowerPoint Presentations
	Lesson 4: Schizophrenia and other Disorders	
	Lesson 5: Personality Disorders and Drug Addiction.	
<u>Chapter 17:</u> Therapy and Change	Lesson 2: Psychoanalysis and Humanistic Approaches.	

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 and drop quiz.

Grade 11/12 – ANTHROPOLOGY

Unit	Chapters	Pages
Unit 3: 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 website, MS Teams, online textbook, Presentations, videos, and revise all related content: classwork, worksheets, exit tickets, quizzes, and drop quizzes.

Grade 11/12 – ECONOMICS

Chapter	Lesson	Pages
<u>Chapter 13:</u> Economic Instability	<u>Lesson 1:</u> Business Cycles and Economic Instability	Online Resource- Understanding Economics E-book
	<u>Lesson 2:</u> Inflation	
<u>Chapter 17:</u> Resources for Global Trade	<u>Lesson 3:</u> Foreign Exchange and Trade Deficits	

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 11/12 – INTERNATIONAL RELATIONS**

Part	Lesson	Pages
<u>Part Two:</u> Global Structures	Chapter 11: International Law	Powerpoint Presentation
	Chapter 12: Religion and Culture	
<u>Part Three:</u> Global Issues	Chapter 20: Connectivity and exploitation in the Digital Age	

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 – ACCOUNTING

Chapter	Lesson	Pages
<u>Chapter 3:</u> The Adjusting Process	<u>Section:</u> Nature of the Adjusting Process	Online Resource- Cengage
	<u>Section:</u> Adjusting Entries for Accruals	
	<u>Section:</u> Adjusting Entries for Deferrals	
	<u>Section:</u> Adjusting Entries for Depreciation	
<u>Chapter 4:</u> The Accounting Cycle	<u>Section:</u> Flow of Accounting Information	
	<u>Section:</u> Financial Statements	
	<u>Section:</u> Closing Entries	
	<u>Section:</u> Accounting Cycle	
<u>Chapter 5:</u> Accounting for Retail Business	<u>Section:</u> Nature of Retail Business	
	<u>Section:</u> Merchandise Transaction	

Note: All subsections of the above-mentioned sections are included. Revise from the provided PPTs, all the notes written in your notebook, work done on Teams, Canvas, and the online textbook.

Grade 11/12 – MARKETING ESSENTIALS

Chapter	Lesson	Pages
<u>Chapter 3:</u> The Economic Basis for Marketing	Section 3.3: Types of Economic Competition	74 to 80
<u>Chapter 4:</u> Marketing Basics	Section 4.1: Changes in Today's Marketing	92 to 96
	Section 4.3.1: Consumers Decision Making	105 & 106
<u>Chapter 5:</u> Marketing Begins with Consumers	Section 5.1: Understanding Consumer Behavior	122 to 125
	Section 5.2: What Motivates Buyers?	126 to 129

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

**Grade 11/12 – ROBOTICS**From **TechnoArduino on Canvas:****(Theoretical and Practical)**

- **Session 3: Design with Sensors and Buzzer - Assignment 11**
- **Session 4: Design digital systems using Arduino- Assignment 14**
- **Session 5: Arduino Robot Car**

From **Canvas:****E-safety (Media Literacy)**

- 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 - 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 88 – ص 97 ، ج 3	الشيخ زايد بن سلطان رحمه الله تعالى	- 1	السيرة النبوية والشخصيات

Grade 12 - ISLAMIC B

Lesson	Pages	Note
1- Allah is the Light of the Heavens & Earth: Surah An-Noor, 35 to 45	92 to 113	All the work done on Teams' workbook, Assignments, Canvas and Textbook
2- Obedience and Compliance is the Path to Faith	116 to 133	
3- Tolerance Towards People of Different Faiths	136 to 159	
4- The Islamic Economic System	178 to 197	

**Grade 12 - ARABIC - A****اللغة العربية**

سيكون الاختبار في نصين خارجيين تطبق عليهما النواتج والمهارات المدروسة في الدروس الآتية:

الموضوع	الرقم	اسم الدرس	الصفحات
القراءة والنصوص	1	القصة القصيرة: طفل وكلب ذات ليل.	63
	2	الأبيات الشعرية: يا ليل دعني.	42
القواعد	1	الجملة الفعلية.	101
	2	الفاعل.	127
	3	نائب الفاعل.	130
البلاغة	1	الكناية.	مهارات سابقة
	2	التشبيه بأنواعه.	مهارات سابقة
	3	الطباق.	مهارات سابقة
الكتابة	كتابة قصة قصيرة مع مراعاة معايير عناصر الكتابة الصحيحة وعناصر القصة القصيرة.		
الملاحظات: يجب مراعاة المهارات النحوية والبلاغية السابق دراستها.			