



Grade 12: End of Semester 2 Exams Required Material 2025 – 2026

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	<p>Literary Selections:</p> <p><u>Unit 5: America Transformed</u></p> <ul style="list-style-type: none"> • Selection 1: The Story of an Hour • Selection 2: To Build a Fire <p><u>Selection 1 Vocabulary List:</u> abandonment - vacant - illumination - composed - aquiver - tumultuously</p> <p><u>Selection 2 Vocabulary List:</u> intangible - apprehension - panic - imperative - extremity</p> <p><u>Novel:</u> The Great Gatsby</p> <p><u>Literary Analysis:</u></p> <ul style="list-style-type: none"> • Irony • Theme • Symbolism • Short story elements • Text Structure
Writing:	Write a ‘Compare and Contrast Essay’ about a given topic following the compare and contrast essay elements. (Word Count: 200 to 250)
<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 Canvas.</i></p>	



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	Reading Selection: “Things Fall Apart” Skills: <ul style="list-style-type: none">• Understanding theme and symbolism (e.g., masculinity, tradition vs. change).• Analyzing character development• Examining narrative perspective and cultural context. 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, “Things Fall Apart”).
Writing Skill:	<ul style="list-style-type: none">• You will be given an analytical question that reflects your understanding of the novel, “Things Fall Apart”. 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: <i>Refer to the presentations and resources on Canvas for all included material, as well as all the exit tickets, homework, and tasks on Canvas.</i>	

**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>Here Follow Some Verses Upon the Burning of Our House, 10 July 1666 by Anne Bradstreet:</p> <ul style="list-style-type: none"> • Explicit and Implicit Meanings of the Poem • Paraphrasing Poetry • Meter (Iambic Tetrameter) • Rhyme Scheme • Writer’s Effect: syntactical, lexical and stylistic choices, imagery, figurative language, etc. <p>Vocabulary: Sorrow, piteous, dreadful, distress, succorless, repine, spy, thou, adieu, permanent.</p> <p>Jane Eyre Excerpt by Charlotte Brontë:</p> <ul style="list-style-type: none"> • Characteristic Features of Novels • Narrator Types • Explicit and Implicit Meanings of Story • Writer’s Effect: syntactical, lexical and stylistic choices, imagery, figurative language, etc. <p>Vocabulary: Torment, coach, misty, twilight, lull (verb), slumbered, cessation, inquire, ruddy, dreary.</p>
Writing Skills:	<p>Diary Entry: you will be required to write a diary entry from a certain perspective about a given topic. The perspective and topic could be both linked to the literary selections above.</p> <p>(Word Count: 200 to 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 for all included material, as well as all the Exit Tickets, homework, and tasks on MS Teams.</p>	



Grade 11/12 – AP ENGLISH LANGUAGE AND COMPOSITION

<p>Part I: Reading</p>	<p>Unseen reading passage(s) with comprehension questions aligned to AP standards. For practice, refer to the assigned reading quizzes on AP Classroom and CrackAP.</p> <p>To prepare, you will need to master all multiple-choice reading and writing skills taught across the nine units in AP English Language and Composition. You should also review the AP Lang glossary of literary and rhetorical devices, along with all SBAs and assessments on AP Classroom.</p>
<p>Part II: Writing</p>	<p>Synthesis Essay Writing Guidelines <i>Structure: 4-5 paragraphs (Introduction, Body Paragraphs, Conclusion)</i> <i>Sources: Integrate evidence from at least 3 of the provided sources.</i></p> <p>Expectations:</p> <ul style="list-style-type: none"> ● Clearly state your thesis (a defensible position on the topic). ● Use textual evidence from the provided sources to develop your argument. ● Explain how and why your evidence supports your position. ● Ensure proper citation of sources (Source A, Source B, etc.). ● Maintain coherent organization, logical progression, and strong transitions. <p><i>Be sure to synthesize the sources effectively, demonstrating your ability to engage with multiple perspectives rather than simply summarizing them.</i></p> <p>*** Study the material available on Canvas under the following 'Modules':</p> <ul style="list-style-type: none"> ● Synthesis Essay Practice and Resources Units: 3, 6, & 9
<p>Resources, and Platforms:</p> <ul style="list-style-type: none"> ● AP Classroom: Study all the assigned assignments. ● Canvas: https://gis-ae.instructure.com/login/canvas <p>IMPORTANT NOTE: Please make sure to bring your device fully charged and ensure it is compatible with the AP Classroom Lockdown Browser.</p>	

**Grades 11/12 – BIOLOGY**

Chapter	Section	Canvas
<u>Chapter 7:</u> Cellular respiration and fermentation	7.1: Catabolic pathways yield energy by oxidizing organic fuels	Chapter 7: Cellular respiration
	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	
	7.6: Glycolysis and the citric acid cycle connect to many other metabolic pathways	
<u>Chapter 8:</u> Photosynthesis	8.1: Photosynthesis feeds the biosphere	Chapter 8: Photosynthesis
	8.2: Photosynthesis converts light energy to the chemical energy of food	
	8.3: The light reactions convert solar energy to the chemical energy of ATP and NADPH	
	8.4: The Calvin cycle uses the chemical energy of ATP and NADPH to reduce CO ₂ to sugar	
	8.5: Life depends on photosynthesis	
Biology Lab	Observing osmosis in eggs	

Make sure you study the scientific method/CER, notes, answer keys, related worksheets, exit tickets, drop quizzes, and power points in Canvas.

Grade 11/12 – AP BIOLOGY

Unit	Lesson	Canvas/ AP Classroom
<u>Unit 7:</u> Natural Selection	Topics: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 7.10, 7.11 & 7.12	Module: Unit 7 & AP Classroom
<u>Unit 8:</u> Ecology	Topics: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, & 8.7	Module: Unit 8 & AP Classroom

Make sure you study class notes, self-study notes, AP classroom, modules on Canvas, and related worksheets and reflections.

Please make sure to bring your device fully charged and ensure it is compatible with the AP Classroom Lockdown Browser.

**Grade 11/12 – PHYSICS ALGEBRA BASED**

Chapter	Lesson	Canvas
Chapter 6: Circular motion	6.1 Uniform Circular Motion	6.1 Uniform Circular Motion
	6.2 Force in Circular Motion	6.2 Force in Circular Motion
	6.3 Newton's Law of Gravitation	6.3 Newton's Law of Gravitation
	6.5 Satellite Motion	6.5 Satellite Motion
Chapter 7: Work and Energy	7.3 Work and Kinetic Energy	7.3 Work and Kinetic Energy
	7.5 Potential Energy	7.5 Potential Energy
	7.6 Conservation of Energy	7.6 Conservation of Energy

Make sure you study the scientific method, notes, answer keys, related worksheets, exit tickets, drop quizzes, and power points in Canvas.

Grade 11/12 – AP CHEMISTRY

Chapter	Lessons	Canvas/ AP Classroom
Unit 5 Kinetics	Topics: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7 & 5.10	Module: Unit-5: Kinetics PPT & college board videos
Unit 6 Thermodynamics	Topics: 6.1, 6.2, 6.3, 6.5, 6.7, 6.8 & 6.9	Module: Unit-6: Thermodynamics PPT & college board videos
Unit 7 Equilibrium	Topics: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8 & 7.9	Module: Unit-7: Equilibrium PPT & college board videos

Study College Board videos, topic questions, Canvas PPT, related worksheets, exit tickets, drop quizzes and notebook.

Please make sure to bring your device fully charged and ensure it is compatible with the AP Classroom Lockdown Browser.

**Grade 11/12 – CHEMISTRY**

Chapter	Lesson	Canvas
<u>Chapter 3:</u> Chemical reactions and reaction stoichiometry	3.5: Formula weights and elemental compositions of substances	3.5: Formula weights and elemental compositions of substances
	3.6: Reaction Stoichiometry	3.6: Reaction Stoichiometry
	3.7: Limiting reactants and percent yields of reactions	3.7: Limiting reactants and percent yields of reactions
<u>Chapter 5:</u> Thermochemistry	5.2: The first law of thermodynamics	5.2: The first law of thermodynamics
	5.3: Enthalpy	5.3: Enthalpy
	5.4: Enthalpies of reaction	5.4: Enthalpies of reaction
<i>Make sure you study the scientific method + notes + worksheets + answer keys + power points on Canvas.</i>		

Grade 12 – PHYSICS CALCULUS BASED

Chapter	Lesson	Canvas
<u>Chapter 32:</u> Geometric Optics	32.3 Curved Mirrors	32.2 Reflection and Plane Mirrors
	33.1 Lenses	32.3 Curved Mirrors
<u>Chapter 36:</u> Quantum Physics	36.2 Blackbody Radiation	36.2 Blackbody Radiation
<u>Chapter 38:</u> Atomic Physics	38.2 Bohr's Model of the Atom	38.2 Bohr's Model of the Atom
<u>Chapter 2:</u> Motion in a Straight line With Calculus	2.2 Position Vector, Displacement Vector, and Distance with Calculus	2.2 Position Vector, Displacement Vector, and Distance with Calculus
	2.3 Velocity Vector, Average Velocity, and Speed with Calculus	2.3 Velocity Vector, Average Velocity, and Speed with Calculus
	2.7 Motion with Constant Acceleration with Calculus	2.7 Motion with Constant Acceleration with Calculus
<i>Make sure you study the scientific method, notes, answer keys, related worksheets, exit tickets, drop quizzes, and power points in Canvas.</i>		

**Grade 12 – AP CALCULUS AB**

Chapter/Module	Section Number and Name
<u>Unit 6:</u> Integration and Accumulation of Change	6.4: The Fundamental Theorem of Calculus and Accumulation Functions
	6.5: Interpreting the Behavior of Accumulation Functions Involving Area
	6.6: Applying Properties of Definite Integrals
	6.7: The Fundamental Theorem of Calculus and Definite Integrals
	6.8: Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation
	6.9: Integrating Using Substitution
	6.10: Integrating Functions Using Long Division and Completing the Square
	6.14: Selecting Techniques for Antidifferentiation
<u>Unit 7:</u> Differential Equations	7.2: Verifying Solutions for Differential Equations
	7.3: Sketching Slope Fields
	7.6: Finding General Solutions Using Separation of Variables
	7.7: Finding Particular Solutions Using Initial Conditions and Separation of Variables
	7.8: Exponential Models with Differential Equations

- **Note:** All the lessons and pdf files are on CANVAS.
- **Please make sure to bring your device fully charged and ensure it is compatible with the AP Classroom Lockdown Browser.**

Grade 12 – STATISTICS

Chapter/Module	Lesson	Pages Online Book
<u>Chapter 7:</u> Continuous Probability Distributions	Lesson 7.3: Normal Distribution	238 to 240
	Lesson 7.4: Standard Normal Distribution	241 to 253
	Lesson 7.6: Exponential Distribution	258 to 262
<u>Chapter 8:</u> Sampling Distributions and Estimation	Lesson 8.3: Central Limit Theorem for a Mean	277 to 281
	Lesson 8.4: Confidence Interval for a Mean (μ) with Known σ	282 to 285

- **Note:** All the lessons and pdf files are uploaded on canvas. Study from your Statistics notebook, worksheets, assignments, e book as well as textbook pdf files shared with you on teams and canvas site.

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

Chapter	Lesson	Pages
<u>Chapter 13:</u> Annuities and Sinking Funds	Lesson 13.1: Annuities: Ordinary Annuity and Annuity Due (Find Future Value)	Mc Graw Hill Online Book
	Lesson 13.2: Present Value of an Ordinary Annuity (Find Present Value)	
	Lesson 13.3: Sinking Funds (Find Periodic Payments)	
<u>Chapter 14:</u> Installment Buying	Lesson 14.1: Cost of Installment Buying	
	Lesson 14.2: Revolving Charge Credit Cards	
<u>Chapter 15:</u> The Cost of Home Ownership	Lesson 15.1: Types of Mortgages and the Monthly Mortgage Payment	
	Lesson 15.2: Amortization Schedule—Breaking Down the Monthly Payment	
<u>Chapter 21:</u> Stocks, Bonds, and Mutual Funds	Lesson 21.1: Stocks	
	Lesson 21.2: Bonds	
	Lesson 21.3: Mutual Funds	

Dear Students, please study from the notes taken in class, PowerPoints uploaded on Canvas and Online Textbook.

Grade 11/12 – PSYCHOLOGY

Chapter	Lesson	Pages
<u>Chapter 12:</u> Motivation and Emotion	Lesson 3: Emotions	PowerPoint Presentation
<u>Chapter 14:</u> Theories of Personality	Lesson 2: Psychoanalytic Theories	384 to 390
	Lesson 5: Trait Theories	408 to 413
<u>Chapter 15:</u> Stress and Health	Lesson 2: Reactions to Stress	PowerPoint Presentation

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, exit tickets, drop quiz and quiz.

**Grade 11/12 – ANTHROPOLOGY**

Unit	Chapter(s)	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 a 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, quizzes, and drop quizzes.

Grade 11/12 – INTERNATIONAL RELATIONS

Part	Chapter	Pages
Part Two: Global Structures	Chapter 12: Religion and Culture	PowerPoint Presentation
Part Three: Global Issues	Chapter 14: International Security	113 to 116
	Chapter 16: Migration	130, 131 & 133
	Chapter 20: Connectivity and exploitation in the Digital Age	PowerPoint Presentation

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

Grade 11/12 – ECONOMICS

Unit	Chapter	Pages
Unit 4: Money and Banking	Chapter 10 - Money and Banking Lesson 1: The Evolution, Functions and Characteristics of Money Lesson 3: Banking Today	Mc Graw Hill Online Book
	Chapter 11 - Financial Markets Lesson 1: Savings and the Financial System Lesson 2: Financial Assets and Their Markets	
Unit 5: Economic Performance	Chapter 12 - Evaluating the Economy Lesson 1: Measuring the Nation's Output and Income	
	Chapter 13 - Economic Instability Lesson 1: Business Cycles and Economic Instability Lesson 2: Inflation Lesson 3: Unemployment	

Dear Students, please study from the notes taken in class, PowerPoints uploaded on Canvas and Online Textbook.

**Grade 11/12 – MARKETING ESSENTIALS**

Chapter	Lesson	Pages
<u>Chapter 2:</u> Marketing Strategy	2.1: Strategic Planning	Mc Graw Hill Online Book
<u>Chapter 3:</u> Today's Marketplace	3.1: The Marketing Environment	
	3.2: Global Marketing	
<u>Chapter 4:</u> Understanding Your Customer	4.1: Marketing Research	
	4.2: Consumer Behavior	

Dear Students, please study from the notes taken in class, PowerPoints uploaded on Canvas and Online Textbook.

Grade 11/12 – INTRODUCTION TO BUSINESS

Unit	Chapter	Pages
<u>Part 1:</u> Business in a Changing World	Chapter 3: Business In a Borderless World	Mc Graw Hill Online Book
<u>Part 2:</u> Starting and Growing a Business	Chapter 4: Options for Organizing a Business	
	Chapter 5: Small Business, Entrepreneurship, and Franchising	
<u>Part 3:</u> Managing Quality and Competitiveness	Chapter 6: The Nature of Management	
<u>Part 4:</u> Creating the Human Resources Advantage	Chapter 10: Managing Human Resources	
<u>Part 5:</u> Marketing: Developing Relationships	Chapter 12: Dimensions of Marketing Strategy	

Dear Students, please study from the notes taken in class, PowerPoints uploaded on Canvas and Online Textbook.



Grade 12 – ROBOTICS

From “PDF Available on Canvas”

(Skill based Theory and Practical)

- **TechnoArduino II - Session 4**
 - **Assignment 13:** Joystick-controlled Matrix LED
 - **Assignment 14:** Elevator
 - **Assignment 15:** RFID control system

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

Grade 12 – ARTIFICIAL INTELLIGENCE

From “PDF Available on Canvas”

- **Foundations of Artificial Intelligence**
 - Domains Of AI
- **Algorithms and Prediction**
 - Data Collection and Preprocessing.
- **Machine Learning Foundations**
 - Introduction to Machine Learning
- **Prompt Engineering**
 - Introduction to Prompts in AI **Slides 10, 11, 25, 27, 28, 29, 30, 31**

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 – INTRODUCTION TO ASTRONOMY**

Unit	Lesson	Canvas
Unit 1: Our Planetary Neighborhood	A: Solar System	Unit 1: Our Planetary Neighborhood
	B: Units	
	C: Calculations	
	D: Kepler's laws	
	E: Universal law of gravitation	
Self-Studies, Research and Projects	A: Moon Phases	Self-Studies, Research and Projects
	B: Sun	
	C: Earth	
	D: Moon	
	E: Mars	
Lab	Astronomy Exploration 1	Unit 1: Our Planetary Neighborhood
<i>Make sure you study notes, answer keys, related worksheets, exit tickets, drop quizzes, lab research task, and power points in Canvas.</i>		

Grade 12 - ISLAMIC A**التربية الإسلامية**

الصفحات	اسم الدرس	الرقم	المجال
73 - 64	الزواج طريق الاستعفاف	- 1	الوحي الإلهي
20 - 33	المنهج التبوي في السنة النبوية	- 2	
34 49	البيع المحرمة	- 1	أحكام الإسلام ومقاصدها

Grade 12 - ISLAMIC B

Lesson	Pages	Note
Creative Thinking in Islam	30 to 47	All the work done on Teams' workbook, Assignments, Canvas and Textbook.
Allah is the Light of the Heavens & Earth: Surah An-Noor, 35 to 45	92 to 113	
Obedience and Compliance is the Path to Faith	116 to 133	

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

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

الصفحات	اسم الدرس	الرقم	الموضوع
33	حديث لله أشد فرحاً	1	القراءة والنصوص
41	قصيدة جادك الغيث	2	
57	قصة السماور	3	
108	الجملة الفعلية - الفعل	1	القواعد
127	الفاعل	2	
29	كان وأخواتها	3	
مهارات سابقة	التشبيه التمثيلي والضمي	1	البلاغة
مهارات سابقة	الاستعارة	2	
كتابة قصة قصيرة مستوفية الأركان والشروط والعناصر مع مراعاة السلامة اللفظية واللغوية.			الكتابة
درس الادخار والاستثمار، كتاب التربية الأخلاقية - الفصل الدراسي الثاني - صفحة 5 إلى صفحة 17			التربية الأخلاقية
الملاحظات: تم رفع جميع المصادر على منصة كانفاس ومنصة تيمز أرجو الاطلاع عليها والاستعانة بالكتاب المدرسي والدفتر ومنصة ألف.			