



Faith International Academy

Grades 11-12 Core Curriculum – Scope & Sequence

	1	2	3	4
Bible				
Bible – gr. 11 Doctrine & Apologetics	Introduction; Doctrine of Scripture; Doctrine of God; Doctrine of Christ; Doctrine of the Holy Spirit	Doctrine of Man; Doctrine of Salvation; Doctrine of the Church; Doctrine of Angels; Doctrine of Satan; Doctrine of Last Things	Introduction: Developing a Life Purpose Statement; Veritology (The Study of Truth); Anthropology (The Study of Man)	Theology (The Study of God); Science and God; Unio Mystica; Role of Labor; Education, Art, and Music; Politics; Community
Bible – gr. 12 Christian Growth	<i>Mere Christianity</i> (Books I & II); <i>Normal Christian Life</i> (chapters 1-8)	<i>Normal Christian Life</i> (chapters 9-10); <i>Mere Christianity</i> (Books III & IV)	<i>Disappointment with God</i> ; <i>The Life You Always Wanted</i>	<i>The Principle of the Path</i> ; Hot Topics
English				
English – American Literature	Pre-Colonial, Exploration, Colonial Period; <i>The Scarlet Letter</i> ; Revolutionary Period	Early National, Romantic Period; <i>The Adventures of Huckleberry Finn</i> ; Realism, Naturalism	Division, Reconciliation, and Expansion; <i>Uncle Tom’s Cabin</i> ; Disillusion, Defiance, and Discontent (Modernism)	<i>Of Mice and Men</i> ; <i>The Great Gatsby</i> ; Prosperity and Protest (Postmodern, Contemporary Period); <i>The Hiding Place</i> ; <i>Fahrenheit 451</i>
English – British Literature	The Medieval Period (Pre-15 th Century)	The Renaissance (15-16 th Centuries); <i>Macbeth</i> ; <i>Frankenstein</i>	Romantic and Victorian Eras (17 th -19 th Centuries); <i>Pride and Prejudice</i> ; <i>Oliver Twist</i>	Modern Period (1900-Present); <i>1984</i> ; “Rosencrantz & Guildenstern are Dead”
Mathematics				
Mathematics – Algebra II (regular track 11 th grade)	Chapters 1-3: Quadratics; Polynomials; Begin radical functions	Chapters 3-5: Finish radical functions; Exponential & Logarithmic functions; Rational functions	Chapters 6, 9, & 10: Data Analysis & Statistics; Trigonometric functions & graphs	Chapters 10, 7, & 8: Trigonometric identities & equations; Sequences & series; Conic sections
Mathematics – Precalculus	Chapters 1-3: Functions & Their Graphs; Polynomial and Rational Function; Exponential and Logarithmic Functions	Chapter 4-5: Trigonometric Functions; Analytic Trigonometry	Chapters 6-7: Additional Topics in Trigonometry; Linear Systems and Matrices	Chapters 8-9: Sequences, Series and Probability; Topics in Analytic Geometry
Mathematics – AP Calculus	Preparation for Calculus; Limits	Differentiation; Applications of Differentiation	Integration; Applications of Integration	Differential Equations; AP Test Preparation; Post-AP Test Game/Reflection Unit
Mathematics – AP Statistics	Chapters 1-4: Analyzing and displaying data;	Chapters 5-7: Probability; Random variables; Sampling	Chapters 8-10: Confidence intervals; Hypothesis testing;	Chapters 11-12: Chi-Square tests; Inference for linear

	Density curves and normal distributions; Describing linear associations; Surveys and experiments	distributions	Comparing two groups	regression; Review for AP Test
Mathematics – Independent Living Math (elective)	Budgeting; Career Preparation	College; Banking; Credit		---
Mathematics – Business Math (elective)	Advertising Economics Inventory	Mark Up, Mark Downs Marketing		---
Science				
Science – Advanced Biology (elective)	Unit 1 – Cellular Biology <ul style="list-style-type: none"> • Eukaryotic Cells • Cell Anatomy • Mitosis and Meiosis • Cellular Respiration Unit 2 – Genetics <ul style="list-style-type: none"> • Mendelian Genetics • Gene Expression and Protein Synthesis • Non-Mendelian Genetics • Mutations and Evolution 	Unit 3 – Bacteriology and Prokaryotes <ul style="list-style-type: none"> • Prokaryotes • Archaea • Bacteria • Disease • Health Unit 4 – Marine Biology <ul style="list-style-type: none"> • Marine Ecosystems • Coral Reefs • Marine Animals • Islands & Climate 	Unit 5 – Human Anatomy and Physiology <ul style="list-style-type: none"> • Human Body Systems Unit 6 – Systematics and Taxonomy <ul style="list-style-type: none"> • Methods for Classification • Classic Linnaean Taxonomy • The 9 Major Animal Phyla • The Major Orders of Chordates 	Unit 7 – Darwinian Evolution <ul style="list-style-type: none"> • About Charles Darwin • Journey of the Beagle • Principles of Evolution Unit 8 – Science and Personal Faith <ul style="list-style-type: none"> • Investigation of Young Earth Theory • Investigation of Intelligent Design • Investigation of Theistic Evolution
Science - Chemistry	Matter; Foundations; Nomenclature; Measurements	Chemical Compositions; Reactions; Aqueous Solutions; Chemical Quantities; Energy	Modern Atomic Theory; Bonding; Gases; Liquids and Solids;	Solutions; Acids and Bases; Equilibrium; ReDox Reactions
Science – Earth & Space Science	Unit 1 – Introduction to Earth Sciences <ul style="list-style-type: none"> • Scientific Thinking • Earth System Science Unit 2 – Materials of the Earth <ul style="list-style-type: none"> • Formation of the Earth • Rock & Minerals 	Unit 3 – Geology <ul style="list-style-type: none"> • Plate Tectonics • Volcanoes • Earthquake • Weathering & Erosion Unit 4 – Weather and Climate <ul style="list-style-type: none"> • Nature of the Atmosphere • Wind & Weather • Oceans, Climate, & Ice Ages Unit 5 – Astronomy <ul style="list-style-type: none"> • Solar System • Types of Heavenly 		

		<p>Bodies</p> <ul style="list-style-type: none"> •Exoplanets & Space Exploration <p>Unit 6 – Survey of Natural History</p> <ul style="list-style-type: none"> •Overview of the Geological Timeline (Cambrian to Present) •Fossils 		
Science – Physics	Chapters 1 – 4: Measurement in science; Motion in 1 and 2 dimensions; Forces and Newton’s Laws of motion	Chapters 5 – 7: Work & energy; Momentum; Circular motion & gravitation	Chapters 8 - 10 Rotational dynamics; Fluid dynamics; Heat & thermodynamics	Chapters 11 - 13, 21, 22: Waves; Sound & Light; Atomic & subatomic physics
Social Studies				
Social Studies – US History	American Beginnings to 1783; A New Nation 1781-1850	A New Nation 1781-1850; An Era of Growth & Disunion 1825-1877	Migration & Industrialization 1877-1917; Modern American Emerges 1890-1920	The 1920s & Great Depression 1919-1940; WWII and its Aftermath 1931-1960; Living with Great Turmoil 1954-1975
Social Studies – AP Psychology	Unit 1: History and Approaches; Unit 2: Research and Methods; Unit 3: Biological Basis of Behavior; Unit 4: Sensation and Perception; Unit 5: States of Consciousness	Unit 6: Learning; Unit 7: Cognition; Unit 8: Motivation and Emotion	Unit 9: Developmental Psychology; Unit 10: Personality; Unit 11: Testing and Differences; Unit 12: Abnormal Psychology	Unit 13: Treatment of Abnormal Behavior; Unit 14: Social Psychology
Social Studies – Economics	Basics of Economics; Demand; Supply	Prices; Market Structures; Business Organizations	Sources of Capital; Economic Performance; Economic Challenges	Federal Reserve and Monetary Policy; Fiscal Policy; Comparing Economic Systems; Developing Nations; International Trade

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