

Gainesville Potter's House Christian Academy
8th Grade - **September** Lesson Plan

Theme of the Month

“ Theme of the month” (Coach J)

Students will grow academically and spiritually by connecting learning across **English, Math, Science, and History**:

- **Math:** Evaluate and simplify expressions, translate phrases to algebraic expression, scientific notation and estimate.
- **Science:** Study cell structure, DNA, heredity, and genetics while recognizing purposeful design in living things.
- **History:** Emergence of European : political ,religious, economic and social .

Vocabulary Words

Week	English Vocabulary	Math	Science	History
Week 4		roots, properties of power, exponent of zero, product power property.	Organelle, cell membrane, cytoplasm, nucleus, mitochondrion, ribosome, chloroplast, vacuole, cell wall, diffusion, photosynthesis, cellular respiration, ATP	Feudal ,feudalism, Carta Magna
Week 5	- exacting - fatigue - implore - squander	algebraic expression, constant, numerical coefficient, numerical expression, term	DNA, gene, chromosome, nucleotide, transcription, translation, DNA replication, cell cycle, mitosis, meiosis	
Week 6	- exacting - fatigue - implore - squander	like term, simplest form	Heredity, trait, allele, dominant, recessive, genotype, phenotype, Punnett square, probability, Mendel	
Week 7	- exacting - fatigue - implore - squander	scientific notation, significant digits, compatible number	incomplete dominance, codominance, multiple alleles, inheritance, genetic variation, population, genetic drift, natural selection, allele, phenotype	
Week 8	- exacting - fatigue - implore - squander	equation, equivalent equations, inverse operation, solution		

Core Class Lesson Plans

Weeks	English	Math	Science	History
Week 4 August 31 September 4	Lesson/Focus: Composing Text Standard: BJU Press Writing & Grammar 8/ BJU Press Lit 8 4th ED 1.1-1.2 I Can: - Apply writing concepts and strategies to example texts and contexts from all stages of the writing process. Describe 21st century writing skills - explain the biblical values underlying good communication Compose a definition paragraph Expectations: Students will go through the writing process and the goal is to understand why language is so important in communication whilst they also learn to use it the correct way. In that way, their communication will be thorough and clear. Homework: List 2 review, any unfinished work. List 2 Quiz	Lesson/Focus: Operations of Integers Standard: MA.NSO.1.6 I Can: - I can write products with repeated factors in exponential form. - I can apply product, power, and quotient properties of powers. - I can evaluate square roots of perfect squares. Expectations: Students will use exponential notation, apply the properties of powers correctly, and evaluate square roots of perfect squares. Homework: Square Roots & Properties of Power Quiz 1C		Review Chapter 1
Week 5 September 7-11	Lesson/Focus: Composing Text Standard: BJU Press Writing & Grammar 8/ BJU Press Lit 8 4th ED 1.3 &4 -1.7 I Can: - Apply writing concepts and strategies to example texts and contexts from all stages of the writing process. Describe 21st century writing skills	Lesson/Focus: Operations of Integers & Expressions Standard: MA.8.AR.2.3 MA.8.AR.1.3 I Can: - I can state the order of operations. - I can state the order of operations. Expectations: - Apply the order of operations.	Lesson/Focus: Ch. 2 - Cell structures and functions; Lab Days 1-3; ethics. Standard: SC.6.L.14.4 - Organelles and functions. I Can: Identify major cell organelles and explain how their functions support the cell. Expectations: Complete cell structure/function labs and assigned SE/SA activities.	Lesson/Focus:2.4 European Calamities Standard: SS.912 W2.12 I Can: development the knowledge

	- explain the biblical values underlying good communication Compose a definition paragraph Expectations: Students will go through the writing process and the goal is to understand why language is so important in communication whilst they also learn to use it the correct way. In that way, their communication will be thorough and clear. Homework: List 3 review, any unfinished work. List 3 Quiz	- State the order of operations. Homework: Order of operation Chapter 1 Test 09/10/2026	Homework: Review organelles and functions; finish assigned SE/SA work.	Expectations: explain how affect the history year today Homework: review chapter 2 Chapter 2 9/30/26
Week 6 September 14–18	Lesson/Focus: Composing Text Standard: BJU Press Writing & Grammar 8/ BJU Press Lit 8 4th ED 1.8 &4 -1.9 I Can: - Apply writing concepts and strategies to example texts and contexts from all stages of the writing process. Describe 21st century writing skills - explain the biblical values underlying good communication Compose a definition paragraph Expectations: Students will go through the writing process and the goal is to understand why language is so important in communication whilst they also learn to use it the correct way. In that way, their communication will be thorough and clear. Homework: List 4 review, any unfinished work. 2 page chapter summary due 9/18/26 List 4 Quiz	Lesson/Focus: Expression Standard: MA.8.AR.1.1 MA.8.AR.1.2 MA.8.AR.1.3 I Can: - I can apply for the Distributive property. - I can simplify algebraic expressions by using the commutative and associative properties. - I can translate a word phrase into a numerical expression. Expectations: - Apply real-world situations with the Distributive Property. - Apply both Commutative and Distributive Properties. - Translate a word phrase into algebraic expressions. Homework: Distributive Property & Simplify Expression Chapter 2 Quiz 2A 09/15/2026 Quiz 2B 09/18/2026	Lesson/Focus: Ch. 2-3 - Chapter 2 review/test; DNA and genes; gene function; cell division; lab. Standard: SC.6.L.14.4 - Cell function; SC.7.L.16.1 - Genes and chromosomes. I Can: Explain how DNA and genes carry information and describe the purpose of cell division. Expectations: Complete Chapter 2 assessment and participate in DNA/gene and cell division activities. Homework: Review DNA, genes, and cell division notes.	Lesson/Focus: Ch 2 : Emergence of Europe Standard: SS .912 W.2.9 Rise of Feudalism I Can: explain how feudalism contributed to emergence of Europe Expectations: can demonstrate how important leaders and kingdoms contributed emergence of Europe Homework activity 1,2

Week 7 September 21–25	Lesson/Focus: Sentences: 2.14-2.18 Standard: BJU Press The Life of Christ / BJU Press W & G 9 fourth edition I Can: - Fix sentence error - Identify fragments, fused sentences, and comma splices Expectations: Students will be able to understand the process of a good writer and will apply the mechanics. Homework: List 6, Chapter 2 Review List 6 Quiz on Friday	Lesson/Focus: Expression Standard: MA.8.AR.1.1 MA.8.AR.1.2 MA.8.AR.1.3 I Can: - I can convert numbers from standard form to scientific form. - I can round a number to an indicated place value. Expectations: - Convert numbers from standard to scientific form and form scientific form to standard form. - Estimate a sum or a difference, and a product to a quotient Homework: Scientific Notation & Estimation Chapter 2 Quiz 2C 09/24/2026 Chapter 2 Test 09/25/2026	Lesson/Focus: Ch. 3-4 - Cell information lab/ethics; Chapter 3 review; principles of heredity. Standard: SC.7.L.16.1 - Heredity; SC.7.L.16.2 - Inheritance. I Can: Explain basic heredity and how traits are passed from parents to offspring. Expectations: Complete lab, ethics discussion, Chapter 3 assessment, and heredity lesson. Homework: Review heredity vocabulary and assigned SE/SA work. ** Chapter 2-3 Test 9/25/26**	Lesson/Focus: 2.2 Decline of feudalism and the development of Europe state Standard: SS 912 .W 2 .9 I Can: explain how feudalism,the church,islam,European society Expectations:students will analyze political,religious,economic and social developments. Homework: activity 3 and session review2.0
Week 8 September 28 October 2	Lesson/Focus: Verbs 3.19-3.22 Standard: BJU Press The Life of Christ / BJU Press W & G 9 fourth edition I Can: -Take a test and show knowledge of chapter 2 - identify different sentence patterns - use may and can Expectations: Students will be able to understand the process of a good writer and will apply the mechanics. Homework: List 7, Any unfinished class work Chapter 2 Test on 9/30/26 List 7 Quiz on Friday	Lesson/Focus: Equations & Inequalities Standard: MA.8.F.1.2 MA.8.AR.2.1 MA.8.AR.2.4 I Can: - I can solve equations by adding and subtracting. - I can solve equations by multiplying and dividing. - I can solve two-step equations. Expectations: - Add & Subtract equation with word problems. - Multiply and divide equations. - Solve problems by using two-step equations. Homework: Equations, Add & subtract equations. Chapter 3 Quiz 1A 10/02/2026	Lesson/Focus: Ch. 4 - Genetics: patterns of inheritance, Punnett squares, genetics and populations; labs/ethics. Standard: SC.7.L.16.2 - Punnett squares/inheritance. I Can: Use inheritance patterns and Punnett squares to predict possible traits. Expectations: Complete genetics labs, inheritance practice, and ethics discussion. Homework: Finish Punnett square/inheritance practice and review Chapter 4.	Lesson/Focus:2.3 Europe Culture Standard: SS. 912W.2.10 I Can: Explain christianity `s influence on European society Expectations: Complete home work and learn the material Homework: activity 4

Electives

Coach J - P.E

Reminder: Bring water bottle, clothes and shoes

Week	Lesson	I Can
Week 5	HOPE: Environmental Health: Air, Land, Water, and Natural Disasters. PE: Volleyball Fundamentals: Warm-Up and Hand-Eye Coordination.	I Can: I can explain how air quality, land and water quality, natural disasters, and environmental stewardship affect my health and my community. I Can: I can use proper stretching and movement techniques to warm up my body and improve my hand-eye coordination through volleyball drills.
Week 6	HOPE: Students will learn the differences between fracking and traditional drilling and examine the benefits and consequences of each method. Homework: Compose a five-paragraph position statement that either supports or opposes fracking. Begin with an overview of fracking and the main issues surrounding it. In the next three paragraphs, discuss biblical principles, the possible benefits and consequences, and the motivations behind the use of fracking. Conclude by clearly stating and supporting your personal position on fracking. PE: Students will participate in drills and exercises designed to improve upper- and lower-body strength, coordination, endurance, and overall physical fitness.	I Can: I can compare fracking and drilling and explain their benefits and consequences for people, the economy, and the environment. PE: I can safely complete arm and leg exercises and drills to improve my strength, endurance, and coordination.
Week 7	HOPE: Chapter Test to demonstrate their understanding of the material. To conclude the chapter, students will participate in a hands-on class project by planting seeds and caring for their plants, connecting what they learned to ways plants can positively contribute to the environment. PE: Students will participate in drills and exercises designed to improve upper- and lower-body strength, coordination, endurance, and overall physical fitness.	I Can: I can demonstrate what I learned in this chapter and apply my knowledge by planting and caring for a plant that benefits the environment. PE: I can safely complete arm and leg exercises and drills to improve my strength, endurance, and coordination.
Week 8	HOPE: Health and Life Management chapter by learning how money management, decision-making, interpersonal skills, and coping skills contribute to making responsible and healthy life choices. PE: Students will participate in drills and exercises designed to improve upper- and lower-body strength, coordination, endurance, and overall physical fitness.	I Can: I can identify and explain important life-management skills, including managing money, making responsible decisions, communicating with others, and using healthy coping skills. PE: I can safely complete arm and leg exercises and drills to improve my strength, endurance, and coordination.

Mr. Cruz - Music			Mr. Luis - Religion		
Materials Needed for the Month: Music Appreciation I materials, notebook, and pencil/pen.			Verse or topic of Month:		
Week	Lesson	I Can	Week	Lesson	I Can
5	Lesson 3: history, musical concept, notation/vocabulary, guided listening.	Identify key musical concepts and respond thoughtfully to the featured piece.	Week 4	Creation, The fall, & Noah	What leans about God` s character
6	Lesson 4: history, musical concept, notation/vocabulary, guided listening.	Connect the featured music to its history and use listening vocabulary correctly.	Week 5	God covenant with Abraham	List the promises in abrahamic Covenant
7	Review & Assessment: Lessons 1-4; composer timeline, vocabulary, score examples, listening IDs.	Compare performances, analyze structure, and show understanding of Lessons 1-4.	Week 6	2.1before Abram became Abraham	Summarize Abraham` s life before and Go call
8	Lesson 5: Mozart, Eine kleine Nachtmusik (1st movement); history, concepts, guided listening.	Identify musical concepts in Mozart and explain what I hear using course vocabulary.	Week 7	2.2 Melchizedek : the likeness of greater priest	Explain why Melchizedek had a greater st than Abraham
			Week 8	2.3 Abraham: Heir of the promise	Compare and contrast unconditional and conditional covenant.

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