



AIMS College Prep Elementary
2022-2023
4th Grade Syllabus

Instructors	Homeroom	Contact information
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Elective Teachers		Contact Information
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Administrators		Contact information
Natalie Glass	Head of Elementary School	natalie.glass@aimsk12.org
Axia Vang	Head of Academics	axia.vang@aimsk12.org
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Students and parents can expect a reply via email within 24 hours on school days. Weekend emails and emails outside of school hours may not receive an immediate response. Students and parents should check email regularly.

EXPECTATIONS

All students are responsible for following the AIMS rules and policies.

- Accountability “What are you responsible for? What am I Responsible for?”
- Integrity “How are you respecting yourself”
- Mindful “How are you respecting others and your surroundings?”
- Safety “How safe are you?”

Your ability to meet or not meet expectations will be reflected in class participation points (PBIS).

General Expectations

1. Students will show respect to themselves, their peers, and all AIMS Staff.
2. Students will arrive to class on time and prepared to learn (laptop charged, headphones, scratch paper, writing utensils, water, sitting in a chair/at a table)
3. Name, date, and assignment title must be on EVERY piece of work turned in
4. Each student is expected to actively participate in their learning
5. Use technology responsibly (follow all school technology guidelines, cell phones should be put away and not be used during class time)
6. Work independently & in groups as instructed

GRADEBOOK

Participation

You will receive participation credit based on your ability to stay on task, stay focused, and to not disrupt learning time.

Classwork

In class, students will receive instruction through lecture, presentations, videos, and other forms of delivery. They will also receive multiple, varied opportunities to practice skills. Students are graded on their notes about reading, participation

in class, neatness, and completion of their daily assignments.

Homework

Students are assigned homework daily and should complete it according to the teachers' instructions.

USEFUL LINK

- PowerSchool: <https://americanindian.powerschool.com/public>

TUTORING

After school tutoring is available from 2:45PM - 3:45PM. Students may attend tutoring whenever they would like, and will be required to attend tutoring if they have a C- or below in class, are missing work, need extra support on a topic, or for any other reason.

DETENTION and RESTORATIVE JUSTICE

Students that receive detention will serve 30 minutes during lunch. Restorative Justice (RJ) will be issued to students that display behaviors/actions that warrant disciplinary action beyond detention. RJ will be served on Friday's after school from 12:30-2:30. This is subject to change.

TEACHER CONTACT & GUIDELINES

Students

Students are responsible for communicating needs and questions in/outside of class. Students should use email, class time, tutoring and office hours to reach their teacher. Students are expected to check their AIMS email at least twice a day (once in the morning and once in the afternoon). Teachers will communicate important information through email, and in certain cases by phone or video meeting.

3

Parents

Parents are responsible for communicating student absences as soon as possible (ASAP) via email or phone to their students' teacher(s) so that we can notify the administration. Teachers will communicate with parents primarily through ParentSquare, and in certain cases by phone/video meeting/personal email.

4

Course Descriptions and Pacing Guides

Math

4th grade math is aimed at preparing students for grade-level proficiency in math. The curriculum is the Go Math, and follows California Common Core Standards. Other sources will also be utilized.

Week	Dates	Lesson and Topic Assessments
Quarter 1		

Week 1	August 15-19	
Week 2	August 22-26	
Week 3	August 29- September 2	
Week 4	September 5-9	
Week 5	September 12-16	
Week 6	September 19-23	
Week 7	September 26-30	
Week 8	October 3-7	Welcome! Model Place Value Relationships Read and Write Numbers Compare and Order Numbers Round Numbers Mid-Chapter Checkpoint Rename Numbers
Week 9	October 10-14	<i>Add Whole Numbers</i> <i>Subtract Whole Numbers</i> <i>Comparison Problems with</i>

		Addition and Subtraction Chapter 1 review Chapter 1 test
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Week 10	October 17-21	Multiplication Comparisons Comparison Problems Multiply Tens, Hundreds, and Thousands Estimate Products Multiply Using the Distributive Property
Quarter 2		
Week 1	October 24-28	Multiply Using Expanded Form Multiply Using Partial Products Mid-Chapter Checkpoint Multiply Using Mental Math Multistep Multiplication Problems
Week 2	October 31- November 4	Multiply 2-Digit Numbers with Regrouping Multiply 3-Digit and 4-Digit Numbers with Regrouping Solve Multistep Problems Using Equations Chapter 2 review Chapter 2 test
Week 3	November 7-11	Multiply by Tens Estimate Products Area Models and Partial Products Multiply Using Partial Products Mid-Chapter Checkpoint
Week 4	November 14-18	Multiply with Regrouping Choose a Multiplication Method Problem Solving • Multiply 2-Digit Numbers Chapter 3 Review/Test Chapter 3 Test
Thanksgiving Break 11/21- 11/25		
Week 5	November 28- December 2	Estimate Quotients Using Multiples Remainders Interpret the Remainder Divide Tens, Hundreds, and Thousands Estimate Quotients Using Compatible Numbers
Week 6	December 5-9	Division and the Distributive Property Mid-Chapter Checkpoint Divide Using Repeated Subtraction

		Divide Using Partial Quotients Model Division with Regrouping
Week 7	December 12-16	Place the First Digit Divide by 1-Digit Numbers Multistep Division Problems Chapter 4 review Chapter 4 test
Winter Break 12/19- 1/2		
Week 8	January 2-6	Model Factors Factors and Divisibility Common Factors Mid-Chapter Checkpoint Factors and Multiples
Week 9	January 9-13	Prime and Composite Numbers Number Patterns Chapter 5 Review/Test Chapter 5 Test Equivalent Fractions
Week 10	January 16-20	Generate Equivalent Fractions Simplest Form Common Denominators Find Equivalent Fractions Mid-Chapter Checkpoint
Quarter 3		
Week 1	January 23-27	Compare Fractions Using Benchmarks Compare Fractions Compare and Order Fractions Chapter 6 Review/Test Chapter 6 Test
Week 2	January 30- February 3	Add and Subtract Parts of a Whole Write Fractions as Sums Add Fractions Using Models Subtract Fractions Using Models Add and Subtract Fractions

Week 3	February 6-10	Mid-Chapter Checkpoint Rename Fractions and Mixed Numbers Add and Subtract Mixed Numbers Subtraction with Renaming
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		Fractions and Properties of Addition
Week 4	February 13-17	Multistep Fraction Problems Chapter 7 Review/Test Chapter 7 Test Multiples of Unit Fractions Multiples of Fractions
Week 5	February 20-24	Mid-Chapter Checkpoint Multiply a Fraction by a Whole Number Using Models Multiply a Fraction or Mixed Number by a Whole Number Problem Solving • Comparison Problems with Fractions Chapter 8 Review/Test
Week 6	February 26- March 3	Chapter 8 Test Relate Tenths and Decimals Relate Hundredths and Decimals Equivalent Fractions and Decimals Relate Fractions, Decimals, and Money
Week 7	March 6-10	Money Mid-Chapter Checkpoint Add Fractional Parts of 10 and 100 Compare Decimals Chapter 9 Review/Test
Week 8	March 13-17	Chapter 9 Test Lines, Rays, and Angles Classify Triangles by Angles Classify Triangles by Sides Parallel Lines and Perpendicular Lines
Week 9	March 20-24	Classify Quadrilaterals Mid-Chapter Checkpoint Line Symmetry Find and Draw Lines of Symmetry

		Shape Patterns
Quarter 4		
Week 1	March 27-31	Chapter 10 Review/Test Chapter 10 Test Angles and Fractional Parts of a Circle Degrees Measure and Draw Angles

8

Spring Break 4/2-4/6		
Week 2	April 10-14	Mid-Chapter Checkpoint Join and Separate Angles Unknown Angle Measures Chapter 11 Review/Test Chapter 11 Test
Week 3	April 17-21	Measurement Benchmarks Customary Units of Length Customary Units of Weight Customary Units of Liquid Volume Line Plots
Week 4	April 24-28	Mid-Chapter Checkpoint Metric Units of Length Metric Units of Mass and Liquid Volume Units of Time Elapsed Time
Week 5	May 1-May 5	Mixed Measures Patterns in Measurement Units Chapter 12 Review/Test Chapter 12 Test Perimeter
Week 6	May 8-12	Area Area of Combined Rectangles Mid-Chapter Checkpoint Find Unknown Measures

		Find the Area
Week 7	May 15-19	Chapter 13 Review/Test Chapter 13 Test
Week 8	May 22-26	SBAC preparation
Week 9	May 29-June 2	SBAC preparation
Week 10	June 5-9	SBAC testing

9

Week 11	June 12-16	SBAC testing
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10

ELA

4th grade ELA is aimed at preparing students for grade-level proficiency in ELA. The curriculum is the Benchmark, and follows California Common Core Standards. Other sources will also be utilized.

Week	Dates	Lesson and Topic Assessments
Quarter 1		
Week 1	August 15-19	
Week 2	August 22-26	
Week 3	August 29- September 2	
Week 4	September 5-9	

Week 5	September 12-16	
Week 6	September 19-23	
Week 7	September 26-30	
Week 8	October 3-7	<p>Welcome!</p> <p>Introduce the Knowledge Focus: Observing Nature</p> <p>First Reading: Ask Questions to Build Knowledge about Observing Nature</p> <p>Write an Informative/Explanatory Essay: Read a Mentor Text</p> <p>Reread to Identify Key Details and Determine a Main Idea</p> <p>Review Long a (VCe, ai, ay, ei, ea) Short a and Reading Big Words Strategy</p>
Week 9	October 10-14	<p>Write an Informative/Explanatory Essay: Find Facts and Details</p> <p>Build Vocabulary: Recognize and Explain the Meaning of Idioms</p>

		<p>Grammar in Context: Sentences with Prepositional Phrases</p> <p>Write an Informative/Explanatory Essay: Listen and View to Find Facts and Details</p> <p>First Reading: Create Mental Images of Characters' Interactions with Nature</p>
Week 10	October 17-21	<p>Write an Informative/Explanatory Essay: Plan and Organize Your Ideas</p> <p>Explain How Similes and Metaphors Contribute to Meaning</p> <p>Compare and Contrast Narrative Points of View</p> <p>Grammar: Order Adjectives within Sentences</p> <p>Discuss the Blueprint/Build Toward the Culminating Task</p>
Quarter 2		

Week 1	October 24-28	<p>First Reading: Create Mental Images of Characters' Interactions with Nature</p> <p>Review Long o (Vce, oa, ow, oe, o) and Short o and Reading Big Words Strategy</p> <p>Write an Informative/Explanatory Essay: Introduce the Topic</p> <p>Clearly Close Reading: Explain the Meaning of Similes</p> <p>Grammar in Context: Prepositional Phrases</p>
Week 2	October 31- November 4	<p>Write an Informative/Explanatory Essay: Incorporate Relevant Information and Provide a Conclusion</p> <p>Close Reading: Identify and Explain Perspectives about Encounters with Nature</p> <p>Write an Informative/Explanatory Essay: Order Adjectives to Add Detail</p> <p>Close Reading: Compare and Contrast the Treatment of Themes in Literature</p> <p>Discuss the Blueprint/Build Toward the Culminating Task</p>
Week 3	November 7-11	<p>Write an Informative/Explanatory Essay: Edit to Correct Inappropriate Fragments</p> <p>Read a Poem: Explain Differences Between Poetry and Prose Write an Informative/Explanatory Essay: Evaluate and Reflect on Writing</p> <p>Unit Wrap-Up: Demonstrate Knowledge and Share Real-World Perspectives</p>
Week 4	November 14-18	<p>Introduce the Knowledge Focus: Characters' Actions and Reactions</p>

		<p>First Reading: Draw Inferences About Characters' Actions Write an Opinion Essay: Read a Mentor Text</p> <p>Summarize the Text</p> <p>Word Study: Long i (VCe, igh, y, ie, i) and Short i</p>
Thanksgiving Break 11/21- 11/25		

Week 5	November 28-December 2	Write an Opinion Essay: Read to Find Facts and Details Write an Opinion Essay: Read a Mentor Text Summarize the Text Write an Opinion Essay: Read to Find Facts and Details Explain How Character Development Contributes to Plot in a Drama
Week 6	December 5-9	Grammar in Context: Use Words and Phrases for Effect Write an Opinion Essay: Use Text Evidence to Form an Opinion First Reading: Make Connections to Characters' Actions Write an Opinion Essay: Analyze the Writer's Concluding Statement Build Vocabulary: Understand and Use Words that Signal Precise Actions, Emotions, and States of Being
Week 7	December 12-16	Make Connections Between a Story and an Oral Presentation of a Story Language: Correct Comma Usage Discuss the Blueprint/Build Toward the Culminating Task First Reading: Draw Inferences About Characters' Actions Long u (VCe, ue, ew, u) and Short u and Reading Big Words Strategy
Winter Break 12/19- 1/2		
Week 8	January 2-6	Write an Opinion Essay: Read and Analyze the Prompt Summarize the Text Build Vocabulary: Understand and Use Words That Signal Precise Actions, Emotions, and States of Being Write an Opinion Essay: Develop Reasons Based on Facts and Details Grammar in Context: Use Modal Auxiliaries to Convey Conditions
Week 9	January 9-13	Close Reading: Draw Inferences to Describe Characters Write an Opinion Essay: Use Text Evidence to Form an Opinion Close Reading: Make Connections Between a Drama and an Oral

		<p>Presentation of the Drama</p> <p>Write an Opinion Essay: Plan and Organize Your Opinion Essay</p> <p>Close Reading: Compare and Contrast the Treatment of Similar Themes in Dramas</p>
Week 10	January 16-20	<p>Grammar: Use Modal Auxiliaries</p> <p>Discuss the Blueprint/Build Toward the Culminating Task First Reading: Make Connections to Characters' Actions Word Study: Closed Syllable Patterns</p> <p>Write an Opinion Essay: Create an Effective Opening Paragraph</p>
Quarter 3		
Week 1	January 23-27	<p>Close Reading: Make Connections Between a Story and an Oral Presentation</p> <p>Grammar in Context: Review Agreement (Subject/Verb, Pronoun/Antecedent)</p> <p>Write an Opinion Essay: Incorporate Text Evidence to Support an Opinion and Provide a Concluding Statement</p> <p>Close Reading: Summarize the Text</p> <p>Write an Opinion Essay: Revise to Insert Words and Phrases for Effect</p>
Week 2	January 30-February 3	<p>Close Reading: Compare and Contrast the Treatment of Similar Themes in a Story and a Drama</p> <p>Discuss the Blueprint/Build Toward the Culminating Task</p> <p>Write an Opinion Essay: Edit to Ensure Agreement (Subject/Verb, Pronoun/Antecedent)</p> <p>Analyze Author's Use of Descriptive Language</p> <p>Evaluate and Reflect on Writing</p>
Week 3	February 6-10	<p>Unit Wrap Up: Demonstrate Knowledge and Share Real World Perspectives</p> <p>Introduce the Knowledge Focus: Government in Action</p> <p>First Reading: Distinguish Between Important and Unimportant Information to Learn About Solving Problems</p> <p>Write an Informative/Explanatory Essay: Develop Your Focus Describe the Structure of a Text (Problem/Solution)</p>

Week 4	February 13-17	<p>Review Open Syllables and Reading Big Words Strategy</p> <p>Write an Informative/Explanatory Essay: Select Knowledgeable and Credible Sources</p> <p>Interpret Information Presented Visually and Quantitatively in a Text to Build Knowledge of State Government</p> <p>Grammar in Context: Use Modal Auxiliaries to Express Possibilities</p> <p>Write an Informative/Explanatory Essay: Take Notes from Sources</p>
Week 5	February 20-24	<p>First Reading: Summarize and Synthesize to Build Knowledge about Government</p> <p>Write an Informative/Explanatory Essay: Plan and Organize Your Essay</p> <p>Build Vocabulary: Use Context Clues to Determine the Meaning of Words and Phrases in a Story</p> <p>Refer to Details and Examples in a Text to Draw Inferences</p> <p>Grammar: Use Modal Auxiliaries to Express Possibilities</p>
Week 6	February 26-March 3	<p>Discuss the Blueprint/Build Toward the Culminating Task</p> <p>First Reading: Distinguish Between Important and Unimportant Information to Build Knowledge about State Government</p> <p>Review Vowel Teams and Reading Big Words Strategy</p> <p>Write an Informative/Explanatory Essay: Introduce Your Topic</p> <p>Identify Key Details and Determine the Main Idea</p>
Week 7	March 6-10	<p>Use Context Clues to Determine the Meaning of Words and Phrases</p> <p>Write an Informative/Explanatory Essay: Develop Your Topic with Specific Details</p> <p>Grammar in Context: Form and Use the Present Progressive Tense</p> <p>Close Reading: Describe the Structure of a Text (Problem/Solution)</p> <p>Write an Informative/Explanatory Essay: Use Linking Words and Phrases to Connect Your Ideas</p>

Week 8	March 13-17	<p>Close Reading: Interpret Visual and Quantitative Information in a Text to Build Knowledge of State Government</p> <p>Write an Informative/Explanatory Essay: Provide a Concluding Statement or Section</p> <p>Close Reading: Integrate Information from Two Texts on the Same Topic</p> <p>Grammar: Form and Use the Present Progressive Tense</p>
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		Discuss the Blueprint/Build Toward the Culminating Task
Week 9	March 20-24	<p>First Reading: Summarize and Synthesize to Build Knowledge about Government Authority</p> <p>Review Vowel-r Syllable Pattern and Reading Big Words Strategy</p> <p>Write an Informative/Explanatory Essay: Revise to Improve Sentence Fluency by Varying Sentence Beginnings</p> <p>Close Reading: Determine the Meaning of Words and Phrases to Explain Story Events</p> <p>Grammar in Context: Use Commas and Quotation Marks to Identify Direct Speech</p>
Quarter 4		
Week 1	March 27-31	<p>Write an Informative/Explanatory Essay: Revise to Include Domain-Specific Vocabulary</p> <p>Close Reading: Use Details about Characters in a Text to Draw Inferences about Government</p> <p>Write an Informative/Explanatory Essay: Edit for Correct Use of Commas and Quotations</p> <p>Close Reading: Integrate Information from Two Texts to Speak Knowledgeably</p> <p>Discuss the Blueprint/Build Toward the Culminating Task</p>
Spring Break 4/2-4/6		

Week 2	April 10-14	<p>Write an Informative/Explanatory Essay: Edit for Correct Use of Verb Tenses</p> <p>Identify a Poem's Rhyme Scheme</p> <p>Publish the Writing: Include Illustrations to Aid Comprehension</p> <p>Unit Wrap-Up: Demonstrate Knowledge and Share Real-World Perspectives</p> <p>Introduce the Knowledge Focus: Understanding Different Points of View</p>
Week 3	April 17-21	<p>First Reading: Ask Questions About Characters and Events to Understand Point of View</p> <p>Write a New Fictional Scene: Read a Prompt and Mentor</p> <p>Text Analyze First-Person Narrative Point of View</p>

		<p>Review Compound Words and Reading Big Words</p> <p>Strategy Write a New Fictional Scene: Analyze Characters and Events</p>
Week 4	April 24-28	<p>Draw Inferences About Characters in a First-Person Narrative Grammar in Context: Use the Past Progressive Tense</p> <p>Write a New Fictional Scene: Read to Find Character Traits in a Source Text</p> <p>First Reading: Create Mental Images of Characters and Events to Understand Point of View</p> <p>Write a New Fictional Scene: Develop the Character's Voice</p>
Week 5	May 1-May 5	<p>Analyze Third-Person Narrative Point of View in a Story</p> <p>Draw Inferences about Characters in a Third-Person Narrative Grammar: Use the Past and Present Progressive Tenses Discuss the Blueprint/Build Toward the Culminating Task</p> <p>First Reading: Ask Questions About Characters and Events to Understand Point of View</p>

Week 6	May 8-12	<p>Review Vowel-Consonant-e Syllable Patterns and the Reading Big Words Strategy</p> <p>Write a New Fictional Scene: Read the Prompt and Checklist Summarize the Text</p> <p>Demonstrate Understanding of Figurative Language: Similes Write a New Fictional Scene: Find Character Details in the Source Text</p>
Week 7	May 15-19	<p>Grammar in Context: Recognize Frequently Confused Words Close Reading: Draw Inferences About a Character</p> <p>Write a New Fictional Scene: Find Story Events in a Source Text</p> <p>Close Reading: Compare First-Person and Third-Person Point of View Write a New Fictional Scene: Plan Your Scene</p>
Week 8	May 22-26	<p>Close Reading: Compare and Contrast First-Person and Third-Person Narratives</p> <p>Grammar: Recognize Frequently Confused Words/Use Reference Materials to Check Spelling</p> <p>Discuss the Blueprint/Build Toward the Culminating Task First Reading: Create Mental Images of Characters and Events to</p>

		<p>Understand Point of View</p> <p>Review Consonant - e Syllable Patterns and Reading Big Words Strategy</p>
Week 9	May 29-June 2	<p>Write a New Fictional Scene: Use Dialogue to Dramatize Events</p> <p>Close Reading: Analyze and Compare First-Person and Third-Person Points of View</p> <p>Grammar in Context: Recognize and Understand Prepositional Phrases</p> <p>Write a New Fictional Scene: Use Descriptions and Transitional Language to Develop Events</p> <p>Close Reading: Draw Inferences About Characters and How They Contribute to Plot</p>

Week 10	June 5-9	Write a New Fictional Scene: Revise to Include More Detail Close Reading: Compare and Contrast the Treatment of Similar Topics in Two Texts Discuss the Blueprint/Build Toward the Culminating Task Write a New Fictional Scene: Edit to Correct Frequently Confused Words Analyze Point of View in Free Verse Poetry
Week 11	June 12-16	Write a New Fictional Scene: Evaluate and Reflect on Writing Unit Wrap-Up: Demonstrate Knowledge and Share Real-World Perspectives Write an Opinion Essay: Brainstorm Your Initial Opinion Determine the Meaning of Domain-Specific Words and Phrases Review Hard and Soft c, g and Reading Big Words Strategy

Science

4th grade science is aimed at preparing students for grade-level proficiency in science. The curriculum is Spectrum, and follows California Common Core Standards. Other sources will also be utilized.

Week	Dates	Lesson and Topic Assessments
Quarter 1		
Week 1	August 15-19	
Week 2	August 22-26	
Week 3	August 29-September 2	
Week 4	September 5-9	
Week 5	September 12-16	

Week 6	September 19-23	
Week 7	September 26-30	
Week 8	October 3-7	<p>Welcome!</p> <p>Using Scientific Methods</p> <p>Define science, and describe why it's important.</p> <p>List common steps in a scientific method.</p> <p>Design and carry out your own simple experiment using the scientific method.</p>
Week 9	October 10-14	<p>Observations and The Scientific Method</p> <p>Learn about observation.</p> <p>List common steps in a scientific method.</p>
Week 10	October 17-21	<p>Describe the shape of the Earth.</p> <p>List and define common terms used to describe Earth. Describe at least five reasons that life can exist on Earth. List and describe at least five landforms that exist on Earth's surface.</p>

Quarter 2		
Week 1	October 24-28	<p>Describe the shape of the Earth.</p> <p>List and define common terms used to describe Earth.</p> <p>Describe at least five reasons that life can exist on Earth.</p> <p>List and describe at least five landforms that exist on Earth's surface.</p>
Week 2	October 31- November 4	<p>Describe the size and some benefits of the world's oceans.</p> <p>Name the five oceans on Earth that make up the world's oceans. Describe the role of an oceanographer.</p> <p>Recognize important features of the ocean.</p>
Week 3	November 7-11	<p>Learn about marine life.</p> <p>Describe lakes, rivers, and other water sources.</p>

Week 4	November 14-18	Explain the water cycle and how it connects fresh and saltwater sources. Define groundwater and key terms related to it.
Thanksgiving Break 11/21- 11/25		
Week 5	November 28- December 2	Describe how weathering can cause slow changes on Earth.
Week 6	December 5-9	Explain how erosion affects Earth over time.
Week 7		16 Describe the process of deposition and give two examples.
Winter Break 12/19- 1/2		
Week 8	January 2-6	Describe how volcanoes can cause rapid changes on Earth's surface. Explain how earthquakes can cause rapid changes on Earth's surface. Describe how natural disasters can rapidly cause changes to Earth's surface. Define how mass wasting can rapidly change Earth's surface.
Week 9	January 9-13	Explain the formation of mountains in the context of the theory of plate tectonics. Describe how fault block and folded mountains are formed. Describe how ocean ridges and ocean trenches are formed.

Week 10	January 16-20	Define the atmosphere and describe what it's made up of. Name and describe the five layers of the atmosphere.
Quarter 3		
Week 1	January 23-27	Describe characteristics of water in the atmosphere, including humidity, dew point, evaporation, transpiration, and condensation.

Week 2	January 30- February 3	Define weather and the ingredients needed to make weather.
Week 3	February 6-10	Give examples of different types of weather and clouds.
Week 4	February 13-17	Provide examples of instruments scientists use to measure and predict weather.
Week 5	February 20-24	Identify several key factors that affect climate. Describe several types of climate.
Week 6	February 26- March 3	Explain how climate is related to the seasons.
Week 7	March 6-10	Explain examples of human effect upon climate.
Week 8	March 13-17	Describe how vibrating objects produce sound. Define pitch, and explain how it can be varied.
Week 9	March 20-24	Describe how light travels. Explain how light is reflected, refracted, and absorbed.
Quarter 4		
Week 1	March 27-31	Describe how heat can be produced. Understand the difference between heat and temperature.

		Explain how heat can move from one object to another
Spring Break 4/2-4/6		

Week 2	April 10-14	<p>Define electricity, describe its importance, and name some people who discovered how to put that energy to use.</p> <p>Describe static electricity and how it forms.</p> <p>Describe current electricity, electric circuits, and materials that allow for the transfer of electricity.</p>
Week 3	April 17-21	<p>Describe how magnets affect one another and objects around them.</p> <p>Describe the effects of Earth's magnetism.</p> <p>Understand that an electrical current can create a magnetic field, and name some uses for electromagnets.</p>
Week 4	April 24-28	<p>Distinguish between natural objects and objects made by humans. Describe the relationship between science and technology. Understand the technological design process.</p>
Week 5	May 1-May 5	<p>Describe how the type of organisms living on Earth has changed over time.</p> <p>Describe how fossils can provide evidence about the plants and animals that lived long ago and the nature of the environment at that time.</p> <p>Explain how fossils can be compared to one another and to present day organisms to find similarities and differences.</p>
Week 6	May 8-12	<p>Describe the basic needs of all living organisms.</p> <p>Explain how organisms rely upon their environments.</p> <p>Give examples of plant and animal structures that serve essential functions.</p>
Week 7	May 15-19	<p>Describe the building blocks of life.</p> <p>Describe the structure and functions of an animal cell. Describe the structure and functions of a plant cell.</p> <p>Compare animal and plant cells</p>
Week 8	May 22-26	<p>Explain why scientists use a system for classifying animals and plants.</p> <p>Name the parts of the classification system.</p> <p>Describe how animals are classified.</p> <p>Describe how plants are classified.</p>
Week 9	May 29-June 2	<p>Describe the main parts of a plant.</p> <p>Explain the system plants use to grow.</p> <p>Explain the system plants use to reproduce.</p>

Week 10	June 5-9	Define and give examples of basic nutrients. Describe tools you can use to improve your health. List several key benefits of regular exercise.
Week 11	June 12-16	Describe and provide examples of plant life cycles. Describe and provide examples of animal life cycles. Define the stages of the human life cycle. Describe the difference between learned and inherited traits.

History

4th grade history is aimed at preparing students for grade-level proficiency in history. The curriculum is the 180 Days of Social Studies, and follows California Common Core Standards. Other sources will also be utilized.

Week	Dates	Lesson and Topic Assessments
Quarter 1		
Week 1	August 15-19	
Week 2	August 22-26	
Week 3	August 29- September 2	
Week 4	September 5-9	
Week 5	September 12-16	
Week 6	September 19-23	
Week 7	September 26-30	
Week 8	October 3-7	Welcome! Understand family life now and in the past, and family life in various places long ago.

Week 9	October 10-14	Understand the sources, purposes, and functions of law, and the importance of the rule of law for the protection of individual rights and the common good.
Week 10	October 17-21	Understand the characteristics and uses of maps, globes, and other geographic tools and technologies.
Quarter 2		
Week 1	October 24-28	Understand the basic features of market structures and exchanges.
Week 2	October 31- November 4	Understand how democratic values come to be, and how they have been exemplified by people, events, and symbols.
Week 3	November 7-11	Understand ideas about civic life, politics, and government.
Week 4		18 Know the location of places, geographic features, and patterns of the environment.
Thanksgiving Break 11/21- 11/25		
Week 5	November 28- December 2	Understand basic features of market structures and exchanges.
Week 6	December 5-9	Understand how democratic values came to be, and how they have been exemplified by people, events, and symbols.
Week 7		16 Understand ideas about civic life, politics, and government.
Winter Break 12/19- 1/2		
Week 8	January 2-6	Know the location of places, geographic features, and patterns of the environment.
Week 9	January 9-13	Understand basic features of market structures and exchanges.

Week 10	January 16-20	Understand how democratic values came to be, and how they have been exemplified by people, events, and symbols.
Quarter 3		

Week 1	January 23-27	Understand the sources, purposes, and functions of law, and the importance of the rule of law and the protection of individual rights and common good.
Week 2	January 30-February 3	Understand the physical and human characteristics of place.
Week 3	February 6-10	Understand the nature and complexity of Earth's cultural mosaics.
Week 4	February 13-17	Understand the role the government plays in the United States economy.
Week 5	February 20-24	Understand family life now and in the past, family life in various places long ago.
Week 6	February 26-March 3	Understand ideas about civic life, politics, and government.
Week 7	March 6-10	Understand the concepts of regions.
Week 8	March 13-17	Understand the physical and human characteristics of place.
Week 9	March 20-24	Understand the scarcity of productive resources requires choices that generate opportunity cost.
Quarter 4		

Week 1	March 27-31	Understand the folklore and other cultural contributions from various regions of the United States and how they helped to form a national heritage.
Spring Break 4/2-4/6		
Week 2	April 10-14	Understand ideas about civic life, politics, and government.

25

Week 3	April 17-21	Understand the physical and human characteristics of place.
Week 4	April 24-28	Understand the patterns of human settlement and their causes.
Week 5	May 1-May 5	Understand the scarcity of productive resources requires choices that generate opportunity cost.
Week 6	May 8-12	Understand the basic features of market structures and exchanges.
Week 7	May 15-19	Understand the folklore and other cultural contributions from various regions of the United States and how they helped to form a national heritage.
Week 8	May 22-26	Understand ideas about civic life, politics, and government.
Week 9	May 29-June 2	Understand major discoveries in science and technology, some of their social and economic effects, and the major scientists and inventors responsible for them.
Week 10	June 5-9	Understand how certain character traits enhance citizens' ability to fulfill personal and civic responsibilities.
Week 11	June 12-16	Understand the roles of voluntarism and organized groups in American social and political life.

26

MEMO

Student Name: _____

_____ I have read the Math & Science 2022 - 23 Syllabus

_____ I have read the ELA & History 2022 - 23 Syllabus

Parent Signature: _____ Date: _____

_____ I have read the Math & Science 2022 - 23 Syllabus

_____ I have read the ELA & History 2022 - 23 Syllabus

Student Name: _____

Student Signature: _____ Date: _____