

TAKE FLIGHT WITH

MIGRATION

Grades 4-6 Education Standards

Common Core State Standards English Language Arts and Math¹

Next Generation Science Standards²

Collaborative for Academic, Social, and Emotional Learning (CASEL) Core Competencies³

National Geography Standards⁴

ENGLISH LANGUAGE ARTS STANDARDS ¹	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5
GRADE 4					
READING INFORMATIONAL TEXT					
Key Ideas and Details:	✓	✓			
CCSS.ELA-LITERACY.RI.4.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.					
CCSS.ELA.LITERACY 4.3 Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.	✓	✓			
Integration of Knowledge and Ideas:	✓	✓			
CCSS.ELA-LITERACY.RI.4.7 Interpret information presented visually, orally, or quantitatively and explain how the information contributes to an understanding of the text in which it appears.					
CCSS.ELA-LITERACY.RI.4.9 Integrate information from two texts on the same topic in order to write or speak about the subject knowingly.	✓				
Range of Reading and Level of Text Complexity:	✓	✓			
CCSS.ELA-LITERACY.RI.4.10 By end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4-5 text complexity band proficiently, with scaffolding as needed at the high end of the range.					
WRITING					
Text Types and Purposes:	✓				
CCSS.ELA-LITERACY.W.4.3 Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.					
Production and Distribution of Writing:	✓				
CCSS.ELA-LITERACY.W.4.4 Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.					
Research to Build and Present Knowledge:					✓
CCSS.ELA-LITERACY.W.4.7 Participate in shared research and writing projects.					

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ENGLISH LANGUAGE ARTS STANDARDS ¹ GRADE 4 (CONTINUED)	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5
SPEAKING AND LISTENING					
Comprehension and Collaboration: CCSS.ELA-LITERACY.SL.4.1 Engage effectively in a range of collaborative discussions with diverse groups of partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓		✓	

ENGLISH LANGUAGE ARTS STANDARDS ¹ GRADE 5	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5
READING INFORMATIONAL TEXT					
Key Ideas and Details: CCSS: ELA-LITERACY.RI.5.3 Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.	✓	✓			
Integration of Knowledge and Ideas: CCSS.ELA-LITERACY.RI.5.7 Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question or to quickly solve a problem efficiently.	✓	✓			
CCSS.ELA-LITERACY.RI.5.9 Integrate information from several texts on the same topic in order to write or speak about the subject knowingly.	✓	✓			
Range of Reading and Level of Text Complexity: CCSS.ELA-LITERACY.RI.5.10 By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4-5 text band independently and proficiently.	✓	✓			
WRITING					
Text Types and Purposes: CCSS.ELA-LITERACY.W.5.3 Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.	✓				
Production and Distribution of Writing: CCSS.ELA-LITERACY.W.5.4 Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.	✓	✓			
Research to Build and Present Knowledge: CCSS.ELA-LITERACY.W.5.7 Draw evidence from literary or informational texts to support analysis, reflection, and research.			✓		
Range of Writing: CCSS.ELA-LITERACY.W.5.10 Write routinely over extended time frames and shorter time frames for a range of discipline-specific tasks, purposes, and audiences.	✓				

ENGLISH LANGUAGE ARTS STANDARDS ¹ GRADE 5 (CONTINUED)	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5
SPEAKING AND LISTENING					
Comprehension and Collaboration: CCSS.ELA-LITERACY.SL.5.1 Engage effectively in a range of collaborative discussions with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓		✓	

ENGLISH LANGUAGE ARTS STANDARDS ¹ GRADE 6	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5
READING INFORMATIONAL TEXT					
Key Ideas and Details: CCSS: ELA-LITERACY.RI.6.3 Analyze in detail how a key individual, event, or idea is introduced, illustrated, and elaborated in a text.	✓				
Integration of Knowledge and Ideas: CCSS.ELA-LITERACY.RI.6.7 Integrate information presented in different media or formats as well as in words to develop a coherent understanding of a topic or issue.	✓				

WRITING					
Text Types and Purposes: CCSS.ELA-LITERACY.W.6.3 Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and well-structured event sequences.	✓				
Production and Distribution of Writing: CCSS.ELA-LITERACY.W.6.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓			
Research to Build and Present Knowledge: CCSS.ELA-LITERACY.W.6.7 Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.				✓	
Range of Writing: CCSS.ELA-LITERACY.W.6.8 Write routinely over extended time frames and shorter time frames for a range of discipline-specific tasks, purposes, and audiences.	✓	✓			

SPEAKING AND LISTENING					
Comprehension and Collaboration: CCSS.ELA-LITERACY.SL.6.1 Engage effectively in a range of collaborative discussions with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.	✓	✓		✓	

MATH STANDARDS¹	Activity	Activity	Activity	Activity	Activity
Grade 4	1	2	3	4	5
OPERATIONS AND ALGEBRAIC THINKING					
Use the four operations with whole numbers to solve problems.			✓		
CCSS.MATH.CONTENT.4.OA.A.2					
Multiply or divide to solve word problems involving multiplicative comparison, distinguishing multiplicative comparison from additive comparison.					
CCSS.MATH.CONTENT.4.OA.A.3			✓		
Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.					
NUMBER AND OPERATIONS IN BASE 10					
Use place value understanding and properties of operations to perform multi-digit arithmetic.			✓		
CCSS.MATH.CONTENT.4.NBT.CB.4					
Fluently add and subtract multi-digit whole numbers using the standard algorithm.					
CCSS.MATH.CONTENT.4.NBT.B.5			✓		
Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations.					
CCSS.MATH.CONTENT.4.NBT.B.6			✓		
Find whole number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.					
MEASUREMENT AND DATA					
Solve problems involving measurement and conversion of measurements.			✓		
CCSS.MATH.CONTENT.4.MD.A.2					
Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given a larger unit in terms of a smaller unit.					
Represent and interpret data.			✓		
CCSS.MATH.CONTENT.4.MD.B.4					
Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Solve problems involving addition and subtraction of fractions by using information presented in line plots.					

MATH STANDARDS¹	Activity	Activity	Activity	Activity	Activity
GRADE 5	1	2	3	4	5
Number and Operations in Base 10					
Perform operations with multi-digit whole numbers and with decimals to hundredths.			✓		
CCSS.MATH.CONTENT.5.NBT.B.5 Fluently multiply multi-digit whole numbers using the standard algorithm.					
CCSS.MATH.CONTENT.5.NBT.B.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.			✓		
MEASUREMENT AND DATA					
Represent and interpret data.			✓		
CCSS.MATH.CONTENT.5.MD.B.2 Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Use operations on fractions for this grade to solve problems involving information presented in line plots.					

MATH STANDARDS¹	Activity	Activity	Activity	Activity	Activity
GRADE 6	1	2	3	4	5
The Number System					
Compute fluently with multi-digit numbers and find common factors and multiples.			✓		
CCSS.MATH.CONTENT.6.NS.B.2 Fluently divide multi-digit numbers using the standard algorithm.					
CCSS.MATH.CONTENT.6.NS.B.3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.			✓		

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NEXT GENERATION SCIENCE STANDARDS ²		Activity	Activity	Activity	Activity	Activity
GRADE 4		1	2	3	4	5
4-LS1-1 From Molecules to Organisms: Structures and Processes	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.	✓			✓	
4-LS1-2 From Molecules to Organisms: Structures and Processes	Use a model to describe that animals receive. Information through their senses, process the information in their brain, and respond to the information in different ways.	✓			✓	
GRADE 6						
MS-LS1-4 From Molecules to Organisms: Structures and Processes	Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.	✓			✓	
MS-LS1-5 From Molecules to Organisms: Structure and Processes	Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.	✓			✓	
MS-LS2-1 Ecosystems: Interactions, Energy, and Dynamics	Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.				✓	
MS-LS2-2 Ecosystems: interactions, Energy, and Dynamics	Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.	✓				
MS-LS2-4 Ecosystems: Interactions, Energy, and Dynamics	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.			✓		

²NGSS Lead States. 2013. Next Generation Science Standards: For States, By States. Washington, DC: The National Academies Press.

COLLABORATIVE FOR ACADEMIC, SOCIAL, AND EMOTIONAL LEARNING (CASEL) CORE COMPETENCIES ³		Activity	Activity	Activity	Activity	Activity
GRADES 4-6		1	2	3	4	5
SELF-AWARENESS:	The abilities to understand one's own emotions, thoughts, and values and how they influence behavior across contexts.	✓				

³Collaborative for Academic, Social, and Emotional Learning (CASEL) SEL Framework and Core Competencies. ©2020 CASEL. All rights reserved.

NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION⁴ GRADES 4-6	ACTIVITY 1	ACTIVITY 2	ACTIVITY 3	ACTIVITY 4	ACTIVITY 5
ESSENTIAL ELEMENT I: The World in Spatial Terms					
Standard 1 How to use maps and other geographic representations, tools, and technologies to acquire, process, and report information from a spatial perspective.					✓
ESSENTIAL ELEMENT II: Places and Regions					
Standard 4 The physical and human characteristics of places.					✓
ESSENTIAL ELEMENT 3: PHYSICAL SYSTEMS					
Standard 8 The characteristics and spatial distribution of ecosystems on Earth's surface.	✓				

⁴The National Council for Geographic Education by National Council for Geographic Education, 1990.