

**Understanding Water Activity Book Standards Alignment**

Colorado Standard/GLE	Fresh Water	Liquid, Ice, Vapor	Density	Water Cycle	Watersheds	Water Supply	Water Uses	Treatment	Pollution	Clean Water	Conservation	Wastewater	
<b>Science Grade 2</b>													
<b>Standard 1.1 Physical Science</b> Matter exists as different substances that have observable different properties.		X (2-PS1-1)	X (2-PS1-2)										
<b>Standard 3.2 Earth &amp; Space Science</b> Wind and water can change the shape of the land; models can show the shape and these changes to the land.	X (ESS2-3)												
<b>Reading, Writing, &amp; Communication Grade 2</b>													
<b>Standard 2.2 Reading for All Purposes</b> Apply specific skills to comprehend and fluently read informational texts.	X (CCSS: RI.2.4) (CCSS: RI.2.5) (CCSS: RI.2.10)	X (CCSS: RI.2.4) (CCSS: RI.2.5) (CCSS: RI.2.10)	X (CCSS: RI.2.1) (CCSS: RI.2.3) (CCSS: RI.2.10)	X (CCSS: RI.2.3) (CCSS: RI.2.10)	X (CCSS: RI.2.1) (CCSS: RI.2.5) (CCSS: RI.2.10)	X (CCSS: RI.2.10)	X (CCSS: RI.2.1) (CCSS: RI.2.3) (CCSS: RI.2.7) (CCSS: RI.2.10)	X (CCSS: RI.2.1) (CCSS: RI.2.3) (CCSS: RI.2.7) (CCSS: RI.2.10)	X (CCSS: RI.2.1) (CCSS: RI.2.4) (CCSS: RI.2.7) (CCSS: RI.2.10)	X (CCSS: RI.2.1) (CCSS: RI.2.4) (CCSS: RI.2.7) (CCSS: RI.2.10)	X (CCSS: RI.2.3) (CCSS: RI.2.10)	X (CCSS: RI.2.4) (CCSS: RI.2.5) (CCSS: RI.2.10)	
<b>Standard 2.3 Reading for All Purposes</b> Apply knowledge of complex spelling patterns (orthography) and word meanings (morphology) to decode words with accuracy.	X (CCSS: RF.2.4) (CCSS: L.2.4)	X (CCSS: RF.2.4) (CCSS: L.2.4)	X (CCSS: RF.2.4)	X (CCSS: RF.2.4) (CCSS: L.2.4e)	X (CCSS: RF.2.4)	X (CCSS: RF.2.4)	X (CCSS: RF.2.4)	X (CCSS: RF.2.3d) (CCSS: L.2.4c)	X (CCSS: RF.2.3) (CCSS: RF.2.4) (CCSS: L.2.4)	X (CCSS: RF.2.3) (CCSS: RF.2.4)	X (CCSS: RF.2.4)	X (CCSS: RF.2.3) (CCSS: RF.2.4)	
<b>Standard 3.1 Writing &amp; Composition</b> Write pieces on a topic or book that state opinions and give supporting reasons.									X (CCSS: W.2.1)				
<b>Standard 3.2 Writing &amp; Composition</b> Write informative/explanatory texts organized around main ideas which are supported by relevant details, facts, and definitions.				X (CCSS: W.2.2)			X (CCSS: W.2.2)		X (CCSS: W.2.2)	X (CCSS: W.2.2)			
<b>Standard 3.3 Writing &amp; Composition</b> Write real or imagined narratives that describe events in sequence and provide a sense of closure.							X (CCSS: W.2.3)						
<b>Social Studies Grade 2</b>													
<b>Standard 2.1 Geography</b> Use geographic terms and tools to describe places and spaces.					X		X						
<b>Standard 2.2 Geography</b> People in communities manage, modify, and depend on their environment.					X			X	X	X	X	X	
<b>Mathematics Grade 2</b>													
<b>Standard 2 Algebra &amp; Functions</b> 2.OA.B. Operations & Algebraic Thinking: Add and subtract within 20.			X (CCSS: 2.OA.B.2)										
<b>Science Grade 3</b>													
<b>Standard 3.2 Earth &amp; Space Science</b> A variety of weather hazards result from natural process; humans cannot eliminate weather-related hazards but can reduce their impacts.								X (3-ESS3-1)					
<b>Reading, Writing, &amp; Communication Grade 3</b>													
<b>Standard 2.2 Reading for All Purposes</b> Apply strategies to fluently read and comprehend various informational texts.	X (CCSS: RI.3.4) (CCSS: RI.3.5) (CCSS: RI.3.7) (CCSS: RI.3.10)	X (CCSS: RI.3.1) (CCSS: RI.3.3) (CCSS: RI.3.4) (CCSS: RI.3.5) (CCSS: RI.3.7) (CCSS: RI.3.10)	X (CCSS: RI.3.4)	X (CCSS: RI.3.1) (CCSS: RI.3.3) (CCSS: RI.3.4) (CCSS: RI.3.5) (CCSS: RI.3.7) (CCSS: RI.3.10)	X (CCSS: RI.3.1)	X (CCSS: RI.3.1)	X (CCSS: RI.3.1) (CCSS: RI.3.4) (CCSS: RI.3.5) (CCSS: RI.3.10)	X (CCSS: RI.3.1) (CCSS: RI.3.3) (CCSS: RI.3.7) (CCSS: RI.3.10)	X (CCSS: RL.3.1) (CCSS: RI.3.3) (CCSS: RI.3.4) (CCSS: RI.3.7) (CCSS: RI.3.10)	X (CCSS: W.2.1) (CCSS: RI.3.4) (CCSS: RI.3.10)	X (CCSS: RI.3.1) (CCSS: RI.3.4) (CCSS: RI.3.10)	X (CCSS: RI.3.3) (CCSS: RI.3.10)	X (CCSS: RI.3.4) (CCSS: RI.3.5) (CCSS: RI.3.10)

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<b>Standard 2.3 Reading for All Purposes</b> Apply knowledge of spelling patterns (orthography), word meanings (morphology), and word relationships to decode words and increase vocabulary.	X (CCSS: RF.3.4)	X (CCSS: RF.3.4)	X (CCSS: RF.3.4)	X (CCSS: RF.3.4)	X (CCSS: RF.3.4)	X (CCSS: RI.3.4)	X (CCSS: RF.3.4)	X (CCSS: RF.3.3) (CCSS: RF.3.4) (CCSS: L.3.4) (CCSS: L.3.6)	X (CCSS: RF.3.3) (CCSS: RF.3.4) (CCSS: L.3.4)	X (CCSS: RF.3.3) (CCSS: RF.3.4)		X (CCSS: RF.3.3) (CCSS: L.3.4)	
<b>Standard 3.1 Writing &amp; Composition</b> Write opinion pieces on topics or texts, supporting a point of view with reasons.			X (CCSS: W.3.1)						X (CCSS: W.3.1)				
<b>Standard 3.2 Writing &amp; Composition</b> Write informative/explanatory texts developed with facts, definitions, and details, ending with a related concluding statement.		X (CCSS: W.3.2b)		X (CCSS: W.3.2b)					X (CCSS: W.3.2)	X (CCSS: W.3.2)			
<b>Standard 3.3 Writing &amp; Composition</b> Write real or imagined narratives that use descriptive details, have a clear sequence of events, and provide closure.							X (CCSS: W.3.3a)						
<b>Standard 3.4 Writing &amp; Composition</b> Use a recursive process to plan, draft, revise, and edit writing, applying knowledge of the conventions of grammar, capitalization, punctuation, and spelling.	X (CCSS: L.3.1a)	X (CCSS: W.3.10)					X (CCSS: L.3.1) (CCSS: L.3.2) (CCSS: L.3.3)		X (CCSS: L.3.1) (CCSS: L.3.2)	X (CCSS: L.3.1) (CCSS: L.3.2)			
<b>Social Studies Grade 3</b>													
<b>Standard 2.1 Geography</b> Use geographic tools to develop spatial thinking.					X		X						
<b>Standard 2.2 Geography</b> The concept of region is developed through an examination of similarities and differences in places and communities.					X								
<b>Mathematics Grade 3</b>													
<b>Standard 1 Number &amp; Quantity</b> 3.NB.A. Number & Operations in Base Ten: Use place value understanding and properties of operations to perform multi-digit arithmetic. A range of algorithms may be used.			X (CCSS: 3.NB.A.2)										
<b>Standard 1 Number &amp; Quantity</b> 3.NF.A. Number & Operations—Fractions: Develop understanding of fractions as numbers.	X (CCSS: 3.NF.A.1)												
<b>Standard 2 Algebra and Functions</b> 3.OA.A. Operations & Algebraic Thinking: Represent and solve problems involving multiplication and division.	X (CCSS: 3.OA.A.1)												
<b>Standard 2 Algebra and Functions</b> 3.OA.C. Operations & Algebraic Thinking: Multiply and divide within 100.	X (CCSS: 3.OA.C.7)		X (CCSS: 3.OA.C.7)										
<b>Science Grade 4</b>													
<b>Standard 3.3 Earth &amp; Space Science</b> Earth's physical features occur in patterns.							X (4-ESS2-2)						
<b>Standard 3.4 Earth &amp; Space Science</b> Energy and fuels that humans use are derived from natural sources and their use affects the environment in multiple ways.	X (4-ESS3-1)				X (4-ESS3-1)		X (4-ESS3-1)			X (4-ESS3-1)			
<b>Reading, Writing, &amp; Communication Grade 4</b>													
<b>Standard 2.2 Reading for All Purposes</b> Apply strategies to comprehend and interpret informational texts.	X (CCSS: RI.4.4) (CCSS: RI.4.7) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.3) (CCSS: RI.4.4) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.3) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.3) (CCSS: RI.4.7) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.4) (CCSS: RI.4.10)	X (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.7) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.3) (CCSS: RI.4.4) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.4) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.4) (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.4) (CCSS: RI.4.10)	X (CCSS: RI.4.10)	X (CCSS: RI.4.1) (CCSS: RI.4.4) (CCSS: RI.4.10)

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<b>Standard 2.3 Reading for All Purposes</b> Apply knowledge of spelling patterns (orthography) and word meanings (morphology) to decode multisyllable words and determine the meaning of unknown words.	X (CCSS: RF.4.4a)	X (CCSS: L.4.4)	X (CCSS: RF.4.4)	X (CCSS: RF.4.4) (CCSS: L.4.4c)	X (CCSS: RF.4.4)	X (CCSS: RF.4.4) (CCSS: L.4.4)	X (CCSS: RF.4.4) (CCSS: L.4.4)	X (CCSS: RF.4.3) (CCSS: RF.4.4) (CCSS: L.4.4) (CCSS: L.4.6)	X (CCSS: RF.4.3) (CCSS: RF.4.4) (CCSS: L.4.4) (CCSS: L.4.6)	X (CCSS: RF.4.3) (CCSS: RF.4.4)	X (CCSS: RF.4.4) (CCSS: L.4.6)	X (CCSS: RF.4.3) (CCSS: RF.4.4) (CCSS: L.4.6)
<b>Standard 3.1 Writing and Composition</b> Write opinion pieces on topics or texts supporting a point of view with reasons and information.			X (CCSS: W.4.1)						X (CCSS: W.4.1)			
<b>Standard 3.2 Writing and Composition</b> Write informative/explanatory texts using text structures appropriate for the purpose and developed through facts, definitions, concrete details, precise language, and domain-specific vocabulary.		X (CCSS: W.4.2)		X (CCSS: W.4.2b)					X (CCSS: W.4.2)	X (CCSS: W.4.2)		
<b>Standard 3.3 Writing and Composition</b> Write engaging, real or imagined narratives using descriptive details and dialogue to convey a sequence of related events.							X (CCSS: W.4.3)					
<b>Standard 3.4 Writing and Composition</b> Understand why and how writers use the conventions of Standard English grammar, usage, and mechanics to clarify their meaning.	X (CCSS: L.4.1f)	X (CCSS: L.4.3)		X (CCSS: L.4.1)			X (CCSS: L.4.1) (CCSS: L.4.2) (CCSS: L.4.3)		X (CCSS: L.4.1) (CCSS: L.4.2)	X (CCSS: L.4.1) (CCSS: L.4.2)		
<b>Social Studies Grade 4</b>												
<b>Standard 2.1 Geography</b> Use geographic tools to research and answer questions about Colorado geography.					X		X					
<b>Standard 2.2 Geography</b> Connections are developed within and across human and physical systems.					X							
<b>Mathematics Grade 4</b>												
<b>Standard 1 Number &amp; Quantity</b> 4.NF.B. Number & Operations—Fractions: Build fractions from unit fractions.	X (CCSS: 4.NF.B.3.a)											
<b>Standard 2 Algebra and Functions</b> 4.OA.A. Operations & Algebraic Thinking: Use the four operations with whole numbers to solve problems.							X (CCSS: 4.OA.A.1)				X (CCSS: 4.OA.A.3)	
<b>Science Grade 5</b>												
<b>Standard 1.1 Physical Science</b> Matter exists as particles that are too small to be seen; measurements of a variety of observable properties can be used to identify particular materials.		X (5-PS1-3)	X (5-PS1-1) (5-PS1-3)									
<b>Standard 2.1 Life Science</b> Plants acquire their material from growth chiefly from air and water.										X (5-LS1-1)		
<b>Standard 3.4 Earth &amp; Space Science</b> Most of Earth's water is in the ocean and much of Earth's freshwater in glaciers or underground.	X (5-ESS2-2)						X (5-ESS2-2)					
<b>Standard 3.5 Earth &amp; Space Science</b> Societal activities have had major effects on land, ocean, atmosphere and even outer space					X (5-ESS3-1)	X (5-ESS3-1)		X (5-ESS3-1)	X (5-ESS3-1)	X (5-ESS3-1)	X (5-ESS3-1)	
<b>Reading, Writing, &amp; Communication Grade 5</b>												
<b>Standard 2.2 Reading for All Purposes</b> Apply strategies to interpret and analyze various types of informational texts.	X (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.10)	X (CCSS: RI.5.10)	X (CCSS: RI.5.1) (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.10)	X (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.1) (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.1) (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.4) (CCSS: RI.5.10)	X (CCSS: RI.5.10)

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<b>Standard 2.3 Reading for All Purposes</b> Apply knowledge of word meanings (morphology) and word relationships to determine the meaning of unknown words in and out of context.	X (CCSS: RF.5.4)	X (CCSS: RF.5.4)	X (CCSS: RF.5.4)	X (CCSS.L.5.3) (CCSS: RF.5.4) (CCSS: L.5.4.c)	X (CCSS: RF.5.4)	X (CCSS: RF.5.4) (CCSS: L.5.4)	X (CCSS: RF.5.4) (CCSS.L.5.3) (CCSS: L.5.4) (CCSS.L.5.6)	X (CCSS.RF.5.3) (CCSS: RF.5.4) (CCSS: L.5.4)	X (CCSS.RF.5.3) (CCSS: RF.5.4) (CCSS.L.5.3) (CCSS: L.5.4) (CCSS.L.5.6)	X (CCSS.RF.5.3) (CCSS: RF.5.4) (CCSS.L.5.3) (CCSS: L.5.4) (CCSS.L.5.6)		
<b>Standard 3.1 Writing &amp; Composition</b> Write opinion pieces on topics or texts, supporting a point of view with reasons and information, for a variety of purposes and audiences.			X (CCSS: W.5.1)						X (CCSS: W.5.1) (CCSS: W.5.2)			
<b>Standard 3.2 Writing &amp; Composition</b> Write informative/explanatory texts that provide a clear focus and the use of text features to group related information on a well-developed topic, using precise language and domain-specific vocabulary.		X (CCSS: W.5.2)		X (CCSS: W.5.2b) (CCSS: W.5.2d)					X (CCSS: L.5.1) (CCSS: L.5.2) (CCSS: W.5.4)	X (CCSS: W.5.2a)		
<b>Standard 3.3 Writing &amp; Composition</b> Write engaging, real or imagined narratives using literary techniques, character development, sensory and descriptive details, and a variety of transition words to signal a clear sequence of events.							X (CCSS: W.5.3)					
<b>Standard 3.4 Writing &amp; Composition</b> Apply understanding of the conventions of Standard English grammar, usage, and mechanics to make meaning clear and to strengthen style.			X (CCSS: W.5.4)	X (CCSS: W.5.2d) (CCSS: L.5.2) (CCSS: W.5.4)			X (CCSS: L.5.1) (CCSS: L.5.2) (CCSS: L.5.3) (CCSS: W.5.4)			X (CCSS: L.5.1) (CCSS: L.5.2) (CCSS: W.5.4)		
<b>Social Studies Grade 5</b>												
<b>Standard 2.1 Geography</b> Use geographic tools and sources to research and answer questions about United States geography.					X		X					
<b>Standard 2.2 Geography</b> Causes and consequences of movement.					X							
<b>Mathematics Grade 5</b>												
<b>Standard 1 Number &amp; Quantity</b> 5.NBT.B. Number & Operations in Base Ten: Perform operations with multi-digit whole numbers and with decimals to hundredths.							X (CCSS: 5.NBT.B.5) (CCSS: 5.NBT.B.6)				X (CCSS: 5.NBT.B.6)	
<b>Standard 3 Data, Statistics, and Probability</b> 5.MD.A. Measurement & Data: Convert like measurement units within a given measurement system.											X (CCSS: 5.MD.A.1)	