

Discover Dairy Science!

Florida Standards Alignment

The activities in the *Dairy Science* curriculum support the develop of student understanding for the identified standards.

Grade 2 Standards Alignment	Activity 1	Activity 2	Activity 3
Florida B.E.S.T. English Language Arts			
ELA.2.R.2.1 - Explain how text features—including titles, headings, captions, graphs, maps, glossaries, and/or illustrations—contribute to the meaning of texts.	X		X
ELA.2.R.2.2 - Identify the central idea and relevant details in a text.	X	X	X
ELA.2.R.3.2 - Retell a text to enhance comprehension.	X	X	X
ELA.2.V.1.3 - Identify and use context clues, word relationships, background knowledge, reference materials, and/or background knowledge to determine the meaning of unknown words.	X		
Florida Next Generation Sunshine State Science			
SC.2.P.8.1 - Observe and measure objects in terms of their properties, including size, shape, color, temperature, weight, texture, sinking or floating in water, and attraction and repulsion of magnets.		X	
SC.2.P.8.2 - Identify objects and materials as solid, liquid, or gas.		X	
SC.2.L.14.1 - Distinguish human body parts (brain, heart, lungs, stomach, muscles, and skeleton) and their basic functions.	X		
SC.2.N.1.1 - Raise questions about the natural world, investigate them in teams through free exploration and systematic observations, and generate appropriate explanations based on those explorations.		X	X
SC.2.N.1.3 - Ask "how do you know?" in appropriate situations and attempt reasonable answers when asked the same question by others.			X

Florida B.E.S.T. Mathematics			
MA.2.NSO.2.3 - Add two whole numbers with sums up to 100 with procedural reliability. Subtract a whole number from a whole number, each no larger than 100, with procedural reliability.	X		
MA.2.AR.1.1 - Solve one- and two-step addition and subtraction real-world problems.	X		
MA.2.DP.1.2 - Interpret data represented with tally marks, tables, pictographs or bar graphs including solving addition and subtraction problems.		X	
Florida Next Generation Sunshine State Health			
HE.2.C.1.1 - Identify that healthy behaviors affect personal health.	X	X	

Grade 3 Standards Alignment	Activity 1	Activity 2	Activity 3
Florida B.E.S.T. English Language Arts			
ELA.3.R.2.1 - Explain how text features contribute to meaning and identify the text structures of chronology, comparison, and cause/effect in texts.	X	X	
ELA.3.R.2.2 - Identify the central idea and explain how relevant details support that idea in a text.	X		X
ELA.3.C.1.3 - Write opinions about a topic or text, include reasons supported by details from one or more sources, use transitions, and provide a conclusion.	X		X
ELA.3.V.1.1 - Recognize and appropriately use grade-level academic vocabulary in speaking and writing.	X		X
Florida Next Generation Sunshine State Science			
SC.3.P.8.1 - Measure and compare temperatures of various samples of solids and liquids.		X	X
SC.3.P.8.2 - Measure and compare the mass and volume of solids and liquids.		X	
SC.3.P.8.3 - Compare materials and objects according to properties such as size, shape, color, texture, and hardness.		X	
SC.3.N.1.1 - Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.		X	X
SC.3.N.1.3 - Keep records as appropriate, such as pictorial, written, or simple charts and graphs, of investigations conducted.		X	
SC.3.N.3.2 - Recognize that scientists use models to help understand and explain how things work.		X	X

Florida B.E.S.T. Mathematics Standards			
MA.3.NSO.2.1 - Add and subtract multi-digit whole numbers including using a standard algorithm with procedural fluency.	X		
MA.3.AR.1.2 - Solve one- and two-step real-world problems involving any of four operations with whole numbers.	X		
MA.3.DP.1.2 - Interpret data with whole-number values represented with tables, scaled pictographs, circle graphs, scaled bar graphs or line plots by solving one- and two-step problems.		X	
Florida Next Generation Sunshine State Health			
HE.3.C.1.1 - Describe healthy behaviors that affect personal health.	X	X	X

Grade 4 Standards Alignment	Activity 1	Activity 2	Activity 3
Florida B.E.S.T. English Language Arts			
ELA.4.R.2.1 - Explain how text features contribute to the meaning and identify the text structures of problem/solution, sequence, and description in texts.	X		
ELA.4.R.2.4 - Explain an author's claim and the reasons and evidence used to support the claim.	X		
ELA.4.R.3.2 - Summarize a text to enhance comprehension.	X		X
ELA.4.V.1.1 - Recognize and appropriately use grade-level academic vocabulary in speaking and writing.	X		X
Florida Next Generation Sunshine State Science			
SC.4.P.8.1 - Measure and compare objects and materials based on their physical properties including: mass, shape, volume, color, hardness, texture, odor, taste, attraction to magnets.		X	
SC.4.P.9.1 - Identify some familiar changes in materials that result in other materials with different characteristics, such as decaying animal or plant matter, burning, rusting, and cooking.		X	
SC.4.N.1.1 - Raise questions about the natural world, use appropriate reference materials that support understanding to obtain information (identifying the source), conduct both individual and team investigations through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.			X
SC.4.N.1.5 - Compare the methods and results of investigations done by other classmates.		X	

SC.4.N.1.6 - Keep records that describe observations made, carefully distinguishing actual observations from ideas and inferences about the observations.		X	X
SC.4.N.1.8 - Recognize that science involves creativity in designing experiments.			X
Florida Next Generation Sunshine State Social Studies			
SS.4.A.4.1 - Explain the effects of technological advances on Florida.	X		X
Florida B.E.S.T. Mathematics			
MA.4.AR.1.1 - Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.	X		
MA.4.DP.1.1 - Collect and represent numerical data, including fractional values, using tables, stem-and-leaf plots or line plots.		X	
MA.4.DP.1.3 - Solve real-world problems involving numerical data.	X		
Florida Next Generation Sunshine State Health			
HE.4.C.1.1 - Identify the relationship between healthy behaviors and personal health.	X	X	X

Grade 5 Standards Alignment	Activity 1	Activity 2	Activity 3
Florida B.E.S.T. English Language Arts			
ELA.5.R.2.2 - Explain how relevant details support the central idea(s), implied or explicit.	X		X
ELA.5.R.2.4 - Track the development of an argument, identifying the specific claim(s), evidence, and reasoning.	X		
ELA.5.C.1.3 - Write to make a claim supporting a perspective with logical reasons, relevant evidence from sources, elaboration, and an organizational structure with varied transitions.			X
ELA.5.V.1.1 - Recognize and appropriately use grade-level academic vocabulary in speaking and writing.	X	X	X
Florida Next Generation Sunshine State Science			
SC.5.P.8.1 - Compare and contrast the basic properties of solids, liquids, and gases, such as mass, volume, color, texture, and temperature.		X	
SC.5.P.9.1 - Investigate and describe that many physical and chemical changes are affected by temperature.		X	X

SC.5.L.14.1 - Identify the organs in the human body and describe their functions, including the skin, brain, heart, lungs, stomach, liver, intestines, pancreas, muscles and skeleton, reproductive organs, kidneys, bladder, and sensory organs.	X		
SC.5.N.1.1 - Define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types such as: systematic observations, experiments requiring the identification of variables, collecting and organizing data, interpreting data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.		X	X
Florida B.E.S.T. Mathematics			
MA.5.AR.1.1 - Solve multi-step real-world problems involving any combination of the four operations with whole numbers, including problems in which remainders must be interpreted within the context.	X		
MA.5.DP.1.1 - Collect and represent numerical data, including fractional and decimal values, using tables, line graphs or line plots.		X	
Florida Next Generation Sunshine State Health			
HE.5.C.1.1 - Describe the relationship between healthy behaviors and personal health.	X	X	X