

WET Correlations: SCIENCE GRADE K

Kindergarten : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0007.Inq.1 Observe the world of familiar objects using the senses and tools.	0007.Inq.1 Use senses and simple tools to make observations.	wAtE R in moTion (450)
GLE 0007.Inq.2 Ask questions, make logical predictions, plan investigations, and represent data. GLE 0007.Inq.3 Explain the data from an investigation.	0007.Inq.2 Communicate interest in simple phenomena and plan for simple investigations. 0007.Inq.3 Communicate understanding of simple data using age-appropriate vocabulary. 0007.Inq.4 Collect, discuss, and communicate findings from a variety of investigations.	Branching Out! (129) Irrigation Interpretation (254)

Kindergarten : Embedded Technology & Engineering		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0007.T/E.K-2.1 Recognize that both natural materials and human-made tools have specific characteristics that determine their use.	0007.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems.	
GLE 0007.T/E.2 Apply engineering design and creative thinking to solve practical problems.	0007.T/E.2 Invent designs for simple products. 0007.T/E.3 Use tools to measure materials and construct simple products.	A-maze-ing Water (219) Cold Cash in the Icebox (373) Energetic Water (242)

Kindergarten : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0007.1.1 Recognize that many things are made of parts.	<p>0007.1.1 Use puzzles to determine that there are many parts that make up a whole.</p> <p>0007.1.2 Use building blocks to create a whole from the parts.</p> <p>0007.1.3 Take apart an object and describe how the parts work together.</p>	

Kindergarten : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0007.2.1 Recognize that some things are living and some are not.	0007.2.1 Categorize objects or images of objects as living or non-living according to their characteristics.	
GLE 0007.2.2 Know that people interact with their environment through their senses.	0007.2.2 Use the senses to investigate and describe an object.	Stream Sense (191)

Kindergarten : Standard 3 - Flow of Matter and Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0007.3.1 Recognize that living things require water, food, and air.	<p>0007.3.1 Observe plants and animals and make records of their similarities and differences.</p> <p>0007.3.2 Record information about the care, feeding, and maintenance of a living thing.</p>	<p>Aqua Bodies (63)</p> <p>Aqua Notes (66)</p> <p>The Life Box (76)</p> <p>Irrigation Interpretation (254)</p>

Kindergarten : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0007.4.1 Observe how plants and animals change as they grow.</p> <p>GLE 0007.4.2 Observe that offspring resemble their parents.</p>	<p>0007.4.1 Observe a plant to identify how it changes as it grows from a seed to the adult plant and record data using non-standard measurement devices.</p> <p>0007.4.2 Match pictures of seedlings to adult plants and a juvenile to the adult animal.</p>	<p>Irrigation Interpretation (254)</p>

Kindergarten : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0007.5.1 Compare the basic features of plants and animals.</p>	<p>0007.5.1 Use a variety of representations to describe similarities and differences among plants and animals.</p> <p>0007.5.2 Create a mural of an ecosystem and compare the characteristics of animals and plants within that environment.</p> <p>0007.5.3 Match pictures of animal and plant characteristics needed for survival to appropriate environments.</p>	<p>Water Address (122)</p>

Grade K: Standard 6 - Omitted

Kindergarten : Standard 7 – The Earth

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0007.7.1 Identify non-living materials found on the surface of the earth.</p>	<p>0007.7.1 Identify non-living materials found on the school site and discuss how these materials are similar and different.</p> <p>0007.7.2 Investigate and compare a variety of non-living materials using simple tools.</p>	
<p>GLE 0007.7.2 Recognize that some objects are manmade and that some occur naturally.</p>	<p>0007.7.3 Observe familiar environments and make lists of natural and manmade objects.</p>	

Kindergarten : Standard 8 - The Atmosphere

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0007.8.2 Collect daily weather data at different times of the year.</p>	<p>0007.8.1 Collect, compare, and record daily weather data during different seasons.</p> <p>0007.8.2 Infer the relationship between temperature and seasonal change by maintaining a paper chain on which dates are recorded and temperature described according to different colors.</p>	<p>Branching Out! (129) A House of Seasons (155) Poetic Precipitation (182) Rainy-Day Hike (186) The Thunderstorm (196)</p>

Kindergarten : Standard 9 - Matter

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0007.9.1 Describe an object by its observable properties.	0007.9.1 Observe, identify, and compare the properties of various objects such as color, shape, and size.	Stream Sense (191)
GLE 0007.9.2 Identify objects and materials as solids or liquids.	0007.9.2 Observe, discuss, and compare characteristics of various solids and liquids.	A-maze-ing Water (219) Cold Cash in the Icebox (373) A Drop in the Bucket (238) Energetic Water (242) Molecules in Motion (47) Water Match (50) wAtER in moTion (450)

Kindergarten : Standard 10 - Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0007.10.1 Identify the sun as the source of heat and light.</p> <p>GLE 0007.10.2 Investigate the effect of the sun on a variety of materials.</p>	<p>0007.10.1 Place a thermometer in a sunny window and one in a shady area of the classroom and record the temperatures over time. Compare, discuss, and record any temperature differences.</p> <p>0007.10.2 Investigate the temperature differences in various locations around the school. Discuss and record the results.</p> <p>0007.10.3 Place a thermometer under pieces of different colored paper on a sunny window. Compare results and discuss possible causes.</p>	

WET Correlations: SCIENCE GRADE 1

Grade 1 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0107.Inq.1 Observe the world of familiar objects using the senses and tools.	0107.Inq.1 Use senses and simple tools to make observations.	wAtER in moTion (450)
GLE 0107.Inq.2 Ask questions, make logical predictions, plan investigations, and represent data. GLE 0107.Inq.3 Explain the data from an investigation.	0107.Inq.2 Communicate interest in simple phenomena and plan for simple investigations. 0107.Inq.3 Communicate understanding of simple data using age-appropriate vocabulary. 0107.Inq.4 Collect, discuss, and communicate findings from a variety of investigations.	Branching Out! (129) Irrigation Interpretation (254)

Grade 1 : Embedded Technology & Engineering		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0107.T/E.1 Recognize that both natural materials and human-made tools have specific characteristics that determine their use.	0107.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems.	
GLE 0107.T/E.2 Apply engineering design and creative thinking to solve practical problems.	0107.T/E.2 Invent designs for simple products. 0107.T/E.3 Use tools to measure materials and construct simple products.	A-maze-ing Water (219) Cold Cash in the Icebox (373) Energetic Water (242)

Grade 1 : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.1.1 Recognize that living things have parts that work together.</p> <p>GLE 0107.1.2 Use tools to examine major body parts and plant structures.</p>	<p>0107.1.1 Combine pictures of major body parts to assemble a complete animal.</p> <p>0107.1.2 Communicate the effect of using tools like magnifiers when examining different body parts.</p> <p>0107.1.3 Make diagrams to record and communicate observations.</p>	

Grade 1 : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.2.1 Distinguish between living and non-living things in an environment.</p>	<p>0107.2.1 Identify the basic characteristics of living things.</p> <p>0107.2.2 Record information about living or non-living objects in local environments.</p> <p>0107.2.3 Sort and classify a variety of living and non-living materials based on their characteristics.</p>	<p>Stream Sense (191)</p>

Grade 1 : Standard 3 - Flow of Matter and Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.3.1 Recognize that plants and animals are living things that grow and change over time.</p>	<p>0107.3.1 Conduct investigations and record data about the growth of different plants under varying conditions.</p> <p>0107.3.2 Describe what plants and animals need in order to grow and remain healthy.</p>	<p>Aqua Bodies (63) Aqua Notes (66) Irrigation Interpretation (254) The Life Box (76)</p>

Grade 1 : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.4.1 Observe and illustrate the life cycle of animals.</p> <p>GLE 0107.4.2 Describe ways in which animals closely resemble their parents.</p>	<p>0107.4.1 Observe, describe, and record the life cycle of a particular animal.</p> <p>0107.4.2 Match pictures of parents and related offspring by identifying common characteristics.</p>	

Grade 1 : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.5.1 Investigate how plants and animals can be grouped according to their habitats.</p> <p>GLE 0107.5.2 Recognize that some organisms which formerly lived are no longer found on earth.</p>	<p>0107.5.1 Observe plants and animals on the school grounds and group them according to where they are found.</p> <p>0107.5.2 Create a chart of different habitats and match animals to specific locations.</p> <p>0107.5.3 Sort pictures or illustrations of animals into groups that are extinct and those that still exist and offer possible explanations for extinction.</p>	<p>Water Address (122)</p>

Grade 1: Standard 6 – Omitted

Grade 1 : Standard 7 – The Earth

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.7.1 Realize that water, rocks, soil, living organisms, and man-made objects make up the earth's surface.</p> <p>GLE 0107.7.2 Classify earth materials according to their physical properties.</p>	<p>0107.7.1 Create a diagram of the school grounds to identify where water, rocks, soil, living organisms, and man-made objects are found.</p> <p>0107.7.2 Sample areas of the school grounds to identify where different materials are found.</p> <p>0107.7.3 Use bagged samples of earth materials or pictures from different areas to classify materials according to their use.</p>	<p>Rainy-Day Hike (186) Stream Sense (191)</p>

Grade 1 : Standard 8 - The Atmosphere

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.8.1 Gather and interpret daily weather data.</p>	<p>0107.8.1 Collect daily weather information to predict what conditions might occur on the following day.</p> <p>0107.8.2 Discuss what makes a weather prediction accurate or inaccurate.</p>	<p>Branching Out! (129) A House of Seasons (155) Poetic Precipitation (182) Rainy-Day Hike (186) The Thunderstorm (196)</p>

Grade 1 : Standard 9 - Matter

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.9.1 Classify objects according to their physical properties.</p>	<p>0107.9.1 Classify solids according to their size, shape, color, texture, hardness, ability to change shape, magnetic attraction, whether they sink or float, and use.</p> <p>0107.9.2 Compare liquids according to their color, ability to flow, solubility in water, and use.</p> <p>0107.9.3 Investigate and describe the results of mixing different substances such as salt and pepper, water and sand, water and oil, and water and salt.</p>	<p>Stream Sense (191)</p>

<p>GLE 0107.9.2 Distinguish between the properties of solids and liquids.</p>		<p>A-maze-ing Water (219) Cold Cash in the Icebox (373) A Drop in the Bucket (238) Energetic Water (242) Molecules in Motion (47) wAtEeR in moTion (450) Water Match (50)</p>
<p>GLE 0107.9.3 Predict the changes that may occur when different materials are mixed.</p>		

Grade 1 : Standard 10 - Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0107.10.1 Investigate the effect of the sun on land, water, and air.</p>	<p>0107.10.1 Predict and determine what happens over the course of a school day when containers of sand, soil, and water with thermometers are placed in a sunny window.</p> <p>0107.10.2 Predict and determine what happens over the course of a school day when containers of sand, soil and water with thermometers are placed in a shady location.</p> <p>0107.10.3 Compare the temperature at different places around the school such as black top driveway, lawn, concrete areas, side of the building, under a shade tree, wet area, in the ground.</p>	

WET Correlations: SCIENCE GRADE 2

Grade 2 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0207.Inq.1 Observe the world of familiar objects using the senses and tools.	GLE 0207.Inq.1 Use senses and simple tools to make observations.	wAtE R in moTion (450)
<p>GLE 0207.Inq.2 Ask questions, make logical predictions, plan investigations, and represent data.</p> <p>GLE 0207.Inq.3 Explain the data from an investigation.</p>	<p>GLE 0207.Inq.2 Communicate interest in simple phenomena and plan for simple investigations.</p> <p>GLE 0207.Inq.3 Communicate understanding of simple data using age appropriate vocabulary.</p> <p>GLE 0207.Inq.4 Collect, discuss, and communicate findings from a variety of investigations.</p>	<p>Branching Out! (129)</p> <p>Irrigation Interpretation (254)</p>

Grade 2 : Embedded Technology & Engineering		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0207.T/E.1 Recognize that both natural materials and human-made tools have specific characteristics that determine their uses.	0207.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems.	
GLE 0207.T/E.2 Apply engineering design and creative thinking to solve practical problems.	<p>0207.T/E.2 Invent designs for simple products.</p> <p>0207.T/E.3 Use tools to measure materials and construct simple products.</p>	<p>A-maze-ing Water (219)</p> <p>Cold Cash in the Icebox (373)</p> <p>Energetic Water (242)</p>

Grade 2 : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.1.1 Recognize that plants and animals are made up of smaller parts and use food, water, and air to survive.</p>	<p>0207.1.1 Design a new living thing and explain how it would acquire food, water, and air.</p>	<p>Aqua Bodies (63) Aqua Notes (66) Branching Out! (129) Irrigation Interpretation (254) The Life Box (76)</p>

Grade 2 : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.2.1 Investigate the habitats of different kinds of local plants and animals.</p> <p>GLE 0207.2.2 Investigate living things found in different places.</p> <p>GLE 0207.2.3 Identify basic ways that plants and animals depend on each other.</p>	<p>0207.2.1 Draw or use pictures of a local environment to label the plants and animals.</p> <p>0207.2.2 Investigate ways that plants and animals depend on each other.</p> <p>0207.2.3 Construct a flow chart that demonstrates how plants, animals, and the environment interact to provide basic life requirements.</p>	<p>Stream Sense (191)</p>

Grade 2 : Standard 3 - Flow of Matter and Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.3.1 Recognize that animals eat plants or other animals for food.</p>	<p>0207.3.1 Describe the habitat of a particular organism based on its food, water, and air requirements.</p> <p>0207.3.2 Design a model of a habitat for an organism in which all of its needs would be met.</p>	<p>The Life Box (76)</p>

Grade 2 : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.4.1 Compare the life cycles of various organisms.</p> <p>GLE 0207.4.2 Realize that parents pass along physical characteristics to their offspring.</p>	<p>0207.4.1 Compare and contrast the life cycles of different organisms such as a chicken, butterfly, meal worm, frog, or human.</p> <p>0207.4.2 Sequence a collection of pictures or illustrations into the correct stages of an organism's life cycle.</p> <p>0207.4.3 Look for similarities in pictures of members from the same human family.</p> <p>0207.4.4 Create a graphic organizer that compares observable traits that offspring share with their parents.</p>	

Grade 2 : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.5.1 Investigate the relationship between an animal’s characteristics and the features of the environment where it lives.</p> <p>GLE 0207.5.2 Draw conclusions from fossils about organisms that lived in the past.</p>	<p>0207.5.1 Compare and contrast the characteristics of organisms from two different environments.</p> <p>0207.5.2 Infer the characteristics needed by an organism to survive in a particular environment.</p> <p>0207.5.3 Observe fossils or pictures of fossils and make inferences about the organisms from which they originated.</p> <p>0207.5.4 Compare pictures of fossils with animals or plants that are living today.</p>	<p>Water Address (122)</p>

Grade 2: Standard 6 - Omitted

Grade 2 : Standard 7 – The Earth

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.7.1 Compare and record the components of a variety of soil types.</p> <p>GLE 0207.7.2 Describe rocks according to their origin, size, shape, texture, and color.</p> <p>GLE 0207.7.3 Differentiate between renewable and non–renewable resources.</p>	<p>0207.7.1 Sort, analyze, and compare a variety of soil types.</p> <p>0207.7.2 Observe rocks of different sizes with a hand lens and describe these materials according to their basic features.</p> <p>0207.7.3 Identify and categorize items in the classroom made from renewable or nonrenewable resources.</p>	

	0207.7.4 Identify simple methods for reusing the earth's resources.	
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Grade 2 : Standard 8 - The Atmosphere

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0207.8.1 Associate temperature patterns with seasonal changes.	0207.8.1 Use records and graphs of seasonal temperature changes to draw conclusions about the weather during different times of the year.	A House of Seasons (155)

Grade 2 : Standard 9 - Matter

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0207.9.1 Use tools to observe the physical properties of objects.	0207.9.1 Use tools such as hand lenses, measurement devices, and simple arm balances to gather data about the physical properties of different objects.	A-maze-ing Water (219) Energetic Water (242) Stream Sense (191) wAtEeR in moTion (450)
GLE 0207.9.2 Investigate how temperature changes affect the state of matter. GLE 0207.9.3 Recognize that air takes up space.	0207.9.2 Describe what happens when ice changes from a solid to a liquid. 0207.9.3 Describe what happens when water is heated to the point of evaporation. 0207.9.4 Explain what happens when a balloon is blown up and pops.	Cold Cash in the Icebox (373) A Drop in the Bucket (238) Molecules in Motion (47) Poetic Precipitation (182) The Thunderstorm (196) Water Match (50)

Grade 2 : Standard 10 - Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.10.1 Explain why the sun is the primary source of the earth's energy.</p>	<p>0207.10.1 Identify and explain how the sun affects objects on the surface of the earth.</p> <p>0207.10.2 Investigate how the sun affects various objects and materials.</p>	

Grade 2 : Standard 11 - Motion

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0207.11.1 Investigate how vibrating objects produce sound.</p>	<p>0207.11.1 Use a variety of objects that vibrate to demonstrate how sounds are produced.</p> <p>0207.11.2 Describe the sounds produced by different types of vibrating objects.</p>	
<p>GLE 0207.11.2 Classify sounds according to their loudness and pitch.</p>		<p>Stream Sense (191)</p>

WET Correlations: SCIENCE GRADE 3

Grade 3 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.Inq.1 Explore different scientific phenomena by asking questions, making logical predictions, planning investigations, and recording data.</p> <p>GLE 0307.Inq.2 Select and use appropriate tools and simple equipment to conduct an investigation.</p> <p>GLE 0307.Inq.3 Organize data into appropriate tables, graphs, drawings, or diagrams.</p> <p>GLE 0307.Inq.4 Identify and interpret simple patterns of evidence to communicate the findings of multiple investigations.</p> <p>GLE 0307.Inq.5 Recognize that people may interpret the same results in different ways.</p> <p>GLE 0307.Inq.6 Compare the results of an investigation with what scientists already accept about this question.</p>	<p>0307.Inq.1 Identify specific investigations that could be used to answer a particular question and identify reasons for this choice.</p> <p>0307.Inq.2 Identify tools needed to investigate specific questions.</p> <p>0307.Inq.3 Maintain a science notebook that includes observations, data, diagrams, and explanations.</p> <p>0307.Inq.4 Analyze and communicate findings from multiple investigations of similar phenomena to reach a conclusion.</p>	<p>Adventures in Density (25) H2 Olympics (30) Life in the Fast Lane (79) The Rainstick (442) Sparkling Water (348) Stream Sense (191) wAteR in moTion (450) Water Meter (271) What’s the Solution? (54)</p>

Grade 3 : Embedded Technology & Engineering

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.T/E.1 Describe how tools, technology, and inventions help to answer questions and solve problems.</p> <p>GLE 0307.T/E.2 Recognize that new tools, technology, and inventions are always being developed.</p> <p>GLE 0307.T/E.3 Identify appropriate materials, tools, and machines that can extend or enhance the ability to solve a specified problem.</p> <p>GLE 0307.T/E.4 Recognize the connection between scientific advances, new knowledge, and the availability of new tools and technologies.</p> <p>GLE 0307.T/E.5 Apply a creative design strategy to solve a particular problem generated by societal needs and wants.</p>	<p>0307.T/E.1 Explain how different inventions and technologies impact people and other living organisms.</p> <p>0307.T/E.2 Design a tool or a process that addresses an identified problem caused by human activity.</p> <p>0307.T/E.3 Determine criteria to evaluate the effectiveness of a solution to a specified problem.</p> <p>0307.T/E.4 Evaluate an invention that solves a problem and determine ways to improve the design.</p>	

Grade 3 : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.1.1 Use magnifiers to make observations of specific plant and body parts and describe their functions.</p>	<p>0307.1.1 Use a magnifier to investigate and describe the function of root hairs, stem cross sections, and leaf veins.</p> <p>0307.1.2 Use a magnifier to investigate and describe the function of skin pores, hair follicles, finger nails, veins, and cuticles, etc.</p>	

Grade 3 : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0307.2.1 Categorize things as living or non-living.	0307.2.1 Use a T-Chart to compare and contrast the characteristics of living and nonliving things.	
GLE 0307.2.2 Explain how organisms with similar needs compete with one another for resources.	0307.2.2 Label a drawing of an environment to illustrate interrelationships among plants and animals. 0307.2.3 Construct a diagram to demonstrate how plants, animals, and the environment interact to provide basic life requirements.	

Grade 3 : Standard 3 - Flow of Matter and Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0307.3.1 Describe how animals use food to obtain energy and materials for growth and repair.	0307.3.1 Label a diagram to illustrate the food relationships that exist between plant and animals. 0307.3.2 Create a chart to show how plants and animals satisfy their energy requirements. 0307.3.3 Identify structures used by different plants and animals to meet their basic energy requirements. 0307.3.4 Use a piece of text to obtain basic information about how plants and animals obtain food.	

Grade 3 : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.4.1 Identify the different life stages through which plants and animals pass.</p> <p>GLE 0307.4.2 Recognize common human characteristics that are transmitted from parents to offspring.</p>	<p>0307.4.1 Sequence diagrams that illustrate various stages in the development of an organism.</p> <p>0307.4.2 Create a timeline to depict the changes that occur during an organism's life cycle.</p> <p>0307.4.3 Differentiate among the stages in the life cycle of a butterfly, mealworm, frog, and plant.</p> <p>0307.4.4 Draw conclusions about the similarities and differences between parents and their offspring</p> <p>0307.4.5 Make a list of human characteristics that are transmitted from parents to their offspring.</p>	

Grade 3 : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.5.1 Explore the relationship between an organism’s characteristics and its ability to survive in a particular environment.</p> <p>GLE 0307.5.2 Classify organisms as thriving, threatened, endangered, or extinct.</p>	<p>0307.5.1 Create representations of animals that have characteristics necessary to survive in a particular environment.</p> <p>0307.5.2 Investigate the connection between an organism’s characteristics and its ability to survive in a specific environment.</p> <p>0307.5.3 Describe how environmental factors change over place and time.</p> <p>0307.5.4 Determine how changes in an environmental variable can affect plants and animals of an area.</p> <p>0307.5.5 Construct a diorama that shows plants and animals in an appropriate environment.</p> <p>0307.5.6 Identify evidence used to determine the previous existence of an organism.</p> <p>0307.5.7 Use a data chart or informational text to classify organisms as thriving, threatened, endangered, or extinct.</p>	<p>Life in the Fast Lane (79) Macroinvertebrate Mayhem (322) Salt Marsh Players (99) Stream Sense (191) Water Address (122)</p>

Grade 3: Standard 6 - Omitted

Grade 3 : Standard 7 – The Earth

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.7.1 Use information and illustrations to identify the earth’s major landforms and water bodies.</p> <p>GLE 0307.7.2 Recognize that rocks can be composed of one or more minerals.</p> <p>GLE 0307.7.3 Distinguish between natural and manmade objects.</p>	<p>0307.7.1 Use a Venn diagram to compare and contrast two different landforms or bodies of water.</p> <p>0307.7.2 Analyze the physical characteristics of different kinds of rocks.</p> <p>0307.7.3 Use a magnifier to observe, describe, and compare materials to determine if they are natural or manmade.</p> <p>0307.7.4 Design and evaluate a method for reusing or recycling classroom materials.</p>	
<p>GLE 0307.7.4 Design a simple investigation to demonstrate how earth materials can be conserved or recycled.</p>	<p>0307.7.5 Create a web that demonstrates the link between basic human needs and the earth’s resources.</p>	<p>A-maze-ing Water (219) Aqua Notes (66) A Drop in the Bucket (238) Every Drop Counts (307) The Long Haul (260) Money Down the Drain (328) Pass the Jug (392) Reaching Your Limits (344) Water Meter (271) Water Works (274)</p>

Grade 3 : Standard 8 - The Atmosphere

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.8.1 Recognize that there are a variety of atmospheric conditions that can be measured.</p> <p>GLE 0307.8.2 Use tools such as the barometer, thermometer, anemometer, and rain gauge to measure atmospheric conditions.</p> <p>GLE 0307.8.3 Identify cloud types associated with particular atmospheric conditions.</p> <p>GLE 0307.8.4 Predict the weather based on cloud observations.</p>	<p>0307.8.1 Select appropriate tools used for collecting weather data that correspond to the atmospheric condition being measured.</p> <p>0307.8.2 Identify major cloud types and associate them with particular weather conditions.</p>	

Grade 3 : Standard 9 - Matter

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.9.1 Design a simple experiment to determine how the physical properties of matter can change over time and under different conditions.</p>	<p>0307.9.1 Use physical properties to compare and contrast substances.</p> <p>0307.9.3 Make predictions and conduct experiments about conditions needed to change the physical properties of particular substances.</p>	<p>Adventures in Density (25)</p> <p>H2 Olympics (30)</p> <p>Water Match (50)</p>
<p>GLE 0307.9.2 Investigate different types of mixtures.</p>	<p>0307.9.2 Compare and contrast events that demonstrate evaporation, crystallization, and melting.</p>	<p>What's the Solution? (54)</p>

	0307.9.4 Classify combinations of materials according to whether they have retained or lost their individual properties.	
GLE 0307.9.3 Describe different methods to separate mixtures.	0307.9.5 Investigate different ways to separate mixtures such as filtration, evaporation, settling, or using a sieve.	Sparkling Water (348)

Grade 3 : Standard 10 - Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.10.1 Investigate phenomena that produce heat.</p> <p>GLE 0307.10.2 Design and conduct an experiment to investigate the ability of different materials to conduct heat.</p>	<p>0307.10.1 Associate the sun’s energy with the melting of an ice cube placed in a window.</p> <p>0307.10.2 Investigate various materials to explore heat conduction.</p>	

Grade 3 : Standard 11 - Motion

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0307.11.1 Explore how the direction of a moving object is affected by unbalanced forces.</p> <p>GLE 0307.11.2 Recognize the relationship between the mass of an object and the force needed to move it.</p>	<p>0307.11.1 Plan an investigation to illustrate how changing the mass affects a balanced system.</p>	
<p>GLE 0307.11.3 Investigate how the pitch and volume of a sound can be changed.</p>	<p>0307.11.2 Use a variety of materials to produce sounds of different pitch and volume.</p> <p>0307.11.3 Classify a variety of taped sounds according to their pitch and volume.</p>	<p>The Rainstick (442) wAtER in moTion (450)</p>

WET Correlations: SCIENCE GRADE 4

Grade 4 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.Inq.1 Explore different scientific phenomena by asking questions, making logical predictions, planning investigations, and recording data.</p> <p>GLE 0407.Inq.2 Select and use appropriate tools and simple equipment to conduct an investigation.</p> <p>GLE 0407.Inq.3 Organize data into appropriate tables, graphs, drawings, or diagrams.</p> <p>GLE 0407.Inq.4 Identify and interpret simple patterns of evidence to communicate the findings of multiple investigations.</p> <p>GLE 0407.Inq.5 Recognize that people may interpret the same results in different ways.</p> <p>GLE 0407.Inq.6 Compare the results of an investigation with what scientists already accept about this question.</p>	<p>0407.Inq.1 Identify specific investigations that could be used to answer a particular question and identify reasons for this choice.</p> <p>0407.Inq.2 Identify tools needed to investigate specific questions.</p> <p>0407.Inq.3 Maintain a science notebook that includes observations, data, diagrams, and explanations.</p> <p>0407.Inq.4 Analyze and communicate findings from multiple investigations of similar phenomena to reach a conclusion.</p>	<p>Is there Water on Zork? (43) Life in the Fast Lane (79) Rainy-Day Hike (186) Stream Sense (191) Water Models (201) Wetland Soils . . . (212)</p>

Grade 4 : Embedded Technology & Engineering

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.T/E.1 Describe how tools, technology, and inventions help to answer questions and solve problems.</p> <p>GLE 0407.T/E.2 Recognize that new tools, technology, and inventions are always being developed.</p> <p>GLE 0407.T/E.3 Identify appropriate materials, tools, and machines that can extend or enhance the ability to solve a specified problem.</p> <p>GLE 0407.T/E.4 Recognize the connection between scientific advances, new knowledge, and the availability of new tools and technologies.</p> <p>GLE 0407.T/E.5 Apply a creative design strategy to solve a particular problem generated by societal needs and wants.</p>	<p>0407.T/E.1 Explain how different inventions and technologies impact people and other living organisms.</p> <p>0407.T/E.2 Design a tool or a process that addresses an identified problem caused by human activity.</p> <p>0407.T/E.3 Determine criteria to evaluate the effectiveness of a solution to a specified problem.</p> <p>0407.T/E.4 Evaluate an invention that solves a problem and determine ways to improve the design.</p>	

Grade 4 : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.1.1 Recognize that cells are the building blocks of all living things.</p>	<p>0407.1.1 Use illustrations or direct observations to compare and contrast the basic structures of plant and animal cells.</p> <p>0407.1.2 Create a basic model of the cell that illustrates different cell structures and describes their functions.</p>	

Grade 4 : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.2.1 Analyze the effects of changes in the environment on the stability of an ecosystem.</p>	<p>0407.2.1 Analyze how an increase or decrease in competition or predation affects an ecosystem.</p> <p>0407.2.2 Design a simple experiment to illustrate the effects of competition, predation, and interdependency among living things.</p>	<p>Stream Sense (191)</p>

Grade 4 : Standard 3 - Flow of Matter and Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.3.1 Demonstrate that plants require light energy to grow and survive.</p> <p>GLE 0407.3.2 Investigate different ways that organisms meet their energy needs.</p>	<p>0407.3.1 Create a food web that illustrates the energy relationships between plants and animals and the key issues or assumptions found in the model.</p> <p>0407.3.2 Classify organisms as carnivores, herbivores, or omnivores.</p> <p>0407.3.3 Identify how a variety of organisms meet their energy needs.</p>	

Grade 4 : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.4.1 Recognize the relationship between reproduction and the continuation of a species.</p> <p>GLE 0407.4.2 Differentiate between complete and incomplete metamorphosis.</p>	<p>0407.4.1 Design a simple demonstration that illustrates the relationship between reproduction and survival of a species.</p> <p>0407.4.2 Study the life cycles of a variety of organisms and determine whether these processes illustrate complete or incomplete metamorphosis.</p>	<p>Macroinvertebrate Mayhem (322)</p>

Grade 4 : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.5.1 Analyze physical and behavioral adaptations that enable organisms to survive in their environment.</p>	<p>0407.5.1 Classify animals according to their physical adaptations for obtaining food, oxygen, and surviving within a particular environment.</p> <p>0407.5.2 Describe how animal behaviors such as migration, defense, means of locomotion, and hibernation enable them to survive in an environment.</p> <p>0407.5.3 Investigate tropisms that plants exhibit in response to changes in their environment.</p>	<p>Aqua Bodies (63) The Life Box (76) Life in the Fast Lane (79) Macroinvertebrate Mayhem (322) Salt Marsh Players (99) Water Address (122)</p>
<p>GLE 0407.5.2 Describe how environmental changes caused the extinction of various plant and animal species.</p>	<p>0407.5.4 Gather fossil information to draw conclusions about organisms that exist today.</p> <p>0407.5.5 Analyze the common causes of extinction and explain how human actions sometimes result in the extinction of a species.</p>	

Grade 4: Standard 6 – Omitted

Grade 4 : Standard 7 – The Earth		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.7.1 Investigate how the Earth’s geological features change as a result of erosion (weathering and transportation) and deposition.</p>	<p>0407.7.1 Prepare a demonstration to illustrate how wind and water affect the earth’s surface features.</p> <p>0407.7.2 Design an investigation to demonstrate how erosion and deposition change the earth’s surface.</p>	<p>Just Passing Through (166) Rainy-Day Hike (186) Wetland Soils in Living Color (212)</p>
<p>GLE 0407.7.2 Evaluate how some earth materials can be used to solve human problems and enhance the quality of life.</p>	<p>0407.7.3 List factors that determine the appropriate use of an earth material.</p> <p>0407.7.4 Use data from a variety of informational texts to analyze and evaluate man’s impact on non-renewable resources.</p>	<p>No Bellyachers (85) Poison Pump (93)</p>

Grade 4 : Standard 8 - The Atmosphere		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.8.1 Recognize the major components of the water cycle.</p>	<p>0407.8.1 Prepare a model that illustrates the basic features of the water cycle.</p> <p>0407.8.3 Use an illustration to predict and draw conclusions about how weather and climate affect the water cycle.</p>	<p>Capture, Store, & Release (133) Imagine! (157) The Incredible Journey (161) Poetic Precipitation (182) The Thunderstorm (196) Water Models (201)</p>

GLE 0407.8.2 Differentiate between weather and climate.	0407.8.2 Use long term weather data to distinguish between weather and climate.	Piece It Together (174)
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Grade 4 : Standard 9 - Matter

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0407.9.1 Collect data to illustrate that the physical properties of matter can be described with tools that measure weight, mass, length, and volume.	0407.9.1 Use appropriate tools to measure and compare the physical properties of various solids and liquids.	Is there Water on Zork? (43)
GLE 0407.9.2 Explore different types of physical changes in matter.	0407.9.2 Compare the causes and effects of various physical changes in matter.	Molecules in Motion (47) Water Match (50)

Grade 4 : Standard 10 - Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0407.10.1 Distinguish among heat, radiant, and chemical forms of energy.</p> <p>GLE 0407.10.2 Investigate how light travels and is influenced by different types of materials and surfaces.</p>	<p>0407.10.1 Design an investigation to demonstrate how different forms of energy release heat or light.</p> <p>0407.10.2 Design an experiment to investigate how different surfaces determine if light is reflected, refracted, or absorbed.</p> <p>0407.10.3 Gather and organize information about a variety of materials to categorize them as translucent, transparent, or opaque.</p>	

WET Correlations: SCIENCE GRADE 5

Grade 5 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.Inq.1 Explore different scientific phenomena by asking questions, making logical predictions, planning investigations, and recording data.</p> <p>GLE 0507.Inq.2 Select and use appropriate tools and simple equipment to conduct an investigation.</p> <p>GLE 0507.Inq.3 Organize data into appropriate tables, graphs, drawings, or diagrams.</p> <p>GLE 0507.Inq.4 Identify and interpret simple patterns of evidence to communicate the findings of multiple investigations.</p> <p>GLE 0507.Inq.5 Recognize that people may interpret the same results in different ways.</p> <p>GLE 0507.Inq.6 Compare the results of an investigation with what scientists already accept about this question.</p>	<p>0507.Inq.1 Identify specific investigations that could be used to answer a particular question and identify reasons for this choice.</p> <p>0507.Inq.2 Identify tools needed to investigate specific questions.</p> <p>0507.Inq.3 Maintain a science notebook that includes observations, data, diagrams, and explanations.</p> <p>0507.Inq.4 Analyze and communicate findings from multiple investigations of similar phenomena to reach a conclusion.</p>	<p>Cold Cash in the Icebox (373)</p>

Grade 5 : Embedded Technology & Engineering

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.T/E.1 Describe how tools, technology, and inventions help to answer questions and solve problems.</p> <p>GLE 0507.T/E.2 Recognize that new tools, technology, and inventions are always being developed.</p> <p>GLE 0507.T/E.3 Identify appropriate materials, tools, and machines that can extend or enhance the ability to solve a specified problem.</p> <p>GLE 0507.T/E.4 Recognize the connection between scientific advances, new knowledge, and the availability of new tools and technologies.</p>	<p>0507.T/E.1 Explain how different inventions and technologies impact people and other living organisms.</p> <p>0507.T/E.2 Design a tool or a process that addresses an identified problem caused by human activity.</p> <p>0507.T/E.3 Determine criteria to evaluate the effectiveness of a solution to a specified problem.</p> <p>0507.T/E.4 Evaluate an invention that solves a problem and determine ways to improve the design.</p>	

Grade 5 : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.1.1 Distinguish between the basic structures and functions of plant and animal cells.</p>	<p>0507.1.1 Label drawings of plant and animal cells.</p> <p>0507.1.2 Compare and contrast the basic structures and functions of plant and animal cells.</p>	

Grade 5 : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.2.1 Investigate different nutritional relationships among organisms in an ecosystem.</p> <p>GLE 0507.2.2 Explain how organisms interact through symbiotic, commensal, and parasitic relationships.</p>	<p>0507.2.1 Evaluate producer/consumer, predator/prey, and parasite/host relationships.</p> <p>0507.2.2 Classify interspecific relationships within an ecosystem as mutualism, commensalism, or parasitism.</p> <p>0507.2.3 Create a simple model illustrating the interspecific relationships within an ecosystem.</p> <p>0507.2.4 Analyze basic information from a body of text to identify key issues or assumptions about the relationships among organisms in an ecosystem.</p>	
<p>GLE 0507.2.3 Establish the connections between human activities and natural disasters and their impact on the environment.</p>	<p>0507.2.5 Create a poster to illustrate how human activities and natural disasters affect the environment.</p>	<p>Back to the Future (293) Common Water (232) Irrigation Interpretation (254) Humpty Dumpty (316) Macroinvertebrate Mayhem (322)</p>

Grade 5 : Standard 3 - Flow of Matter and Energy

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.3.1 Demonstrate how all living things rely on the process of photosynthesis to obtain energy.</p>	<p>0507.3.1 Identify the cell structures that enable plants to conduct photosynthesis.</p>	

	0507.3.2 Design a graphic organizer that illustrates the difference between plants and animals in the movement of food energy through an ecosystem.	
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Grade 5 : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.4.1 Describe how genetic information is passed from parents to offspring during reproduction.</p> <p>GLE 0507.4.2 Recognize that some characteristics are inherited while others result from interactions with the environment.</p>	<p>0507.4.1 Explain how genetic information is transmitted from parents to offspring.</p> <p>0507.4.2 Create a chart that compares hereditary and environmental traits.</p> <p>0507.4.3 Distinguish between a scar and a birthmark in terms of their origins.</p>	

Grade 5 : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.5.1 Investigate physical characteristics associated with different groups of animals.</p> <p>GLE 0507.5.2 Analyze fossils to demonstrate the connection between organisms and environments that existed in the past and those that currently exist.</p>	<p>0507.5.1 Classify animals according to their physical characteristics.</p> <p>0507.5.2 Design a model to illustrate how an animal's physical characteristics enable it to survive in a particular environment.</p> <p>0507.5.3 Identify the processes associated with fossil formation.</p> <p>0507.5.4 Use fossil evidence to describe an environment from the past.</p>	<p>Macroinvertebrate Mayhem (322) Water Address (122)</p>

	<p>0507.5.5 Use fossils to match a previously existing organism with one that exists today.</p>	
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Grade 5: Standard 6 – Omitted

Grade 5 : Standard 7 – The Earth

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.7.1 Compare geologic events responsible for the earth’s major geological features.</p>	<p>0507.7.1 Create a model to illustrate geologic events responsible for changes in the earth’s crust.</p> <p>0507.7.2 Prepare a chart to compare how volcanoes, earthquakes, faulting, and plate movements affect the earth’s surface features.</p>	<p>Geyser Guts (144)</p>

Grade 5 : Standard 8 - The Atmosphere

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0507.8.1 Analyze and predict how major landforms and bodies of water affect atmospheric conditions.</p>	<p>0507.8.1 Compare the climates of coastal and inland areas at similar latitudes to demonstrate the ocean’s impact on weather and climate.</p> <p>0507.8.2 Use land maps to demonstrate how mountain ranges affect weather and climate.</p> <p>0507.8.3 Use weather maps of the United States to graph temperature and precipitation for inland and coastal regions.</p>	<p>Piece It Together (174)</p>

	0507.8.4 Use local environmental information to analyze how weather and climate are affected by landforms and bodies of water.	
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Grade 5 : Standard 9 - Matter

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0507.9.1 Observe and measure the simple chemical properties of common substances.	0507.9.1 Compare the simple chemical properties of common substances.	
GLE 0507.9.2 Design and conduct an experiment to demonstrate how various types of matter freeze, melt, or evaporate.	0507.9.2 Investigate how different types of materials freeze, melt, evaporate, or dissipate.	
GLE 0507.9.3 Investigate factors that affect the rate at which various materials freeze, melt, or evaporate.	0507.9.3 Use data from a simple investigation to determine how temperature change affects the rate of evaporation and condensation.	Cold Cash in the Icebox (373)

WET Correlations: SCIENCE GRADE 6

Grade 6 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0607.Inq.1 Design and conduct open-ended scientific investigations.</p> <p>GLE 0607.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data.</p> <p>GLE 0607.Inq.3 Synthesize information to determine cause and effect relationships between evidence and explanations.</p> <p>GLE 0607.Inq.4 Recognize possible sources of bias and error, alternative explanations, and questions for further exploration.</p> <p>GLE 0607.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.</p>	<p>0607.Inq.1 Design and conduct an open-ended scientific investigation to answer a question that includes a control and appropriate variables.</p> <p>0607.Inq.2 Identify tools and techniques needed to gather, organize, analyze, and interpret data collected from a moderately complex scientific investigation.</p> <p>0607.Inq.3 Use evidence from a dataset to determine cause and effect relationships that explain a phenomenon.</p> <p>0607.Inq.4 Review an experimental design to determine possible sources of bias or error, state alternative explanations, and identify questions for further investigation.</p> <p>0607.Inq.5 Design a method to explain the results of an investigation using descriptions, explanations, or models.</p>	<p>Life in the Fast Lane (79) People of the Bog (89) The Rainstick (442) Stream Sense (191) Water Models (201)</p>

Grade 6 : Embedded Technology & Engineering

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0607.T/E.1 Explore how technology responds to social, political, and economic needs.</p> <p>GLE 0607.T/E.2 Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting.</p> <p>GLE 0607.T/E.3 Compare the intended benefits with the unintended consequences of a new technology.</p> <p>GLE 0607.T/E.4 Describe and explain adaptive and assistive bioengineered products.</p>	<p>0607.T/E.1 Use appropriate tools to test for strength, hardness, and flexibility of materials.</p> <p>0607.T/E.2 Apply the engineering design process to construct a prototype that meets certain specifications.</p> <p>0607.T/E.3 Explore how the unintended consequences of new technologies can impact society.</p> <p>0607.T/E.4 Research bioengineering technologies that advance health and contribute to improvements in our daily lives.</p> <p>0607.T/E.5 Develop an adaptive design and test its effectiveness.</p>	

Grade 6: Standard 1 - Omitted

Grade 6 : Standard 2 - Interdependence

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0607.2.1 Examine the roles of consumers, producers, and decomposers in a biological community.</p>	<p>0607.2.1 Compare and contrast the different methods used by organisms to obtain nutrition in a biological community.</p>	<p>People of the Bog (89)</p>
<p>GLE 0607.2.2 Describe how matter and energy are transferred through an ecosystem.</p>	<p>0607.2.3 Use a food web or energy pyramid to demonstrate the interdependence of organisms within a specific biome.</p>	

GLE 0607.2.3 Draw conclusions from data about interactions between the biotic and abiotic elements of a particular environment.	0607.2.2 Create a graphic organizer that illustrates how biotic and abiotic elements of an environment interact.	Stream Sense (191)
GLE 0607.2.4 Analyze the environments and the interdependence among organisms found in the world's major biomes.	0607.2.4 Create poster presentations to illustrate differences among the world's major biomes.	Life in the Fast Lane (79) Macroinvertebrate Mayhem (322) Water Address (122)

Grade 6: Standards 3-7 - Omitted

Grade 6 : Standard 8 - The Atmosphere		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0607.8.1 Design and conduct an investigation to determine how the sun drives atmospheric convection.</p> <p>GLE 0607.8.2 Describe how the sun's energy produces the wind.</p> <p>GLE 0607.8.3 Investigate the relationship between currents and oceanic temperature differences.</p>	<p>0607.8.1 Recognize how convection currents in the atmosphere produce wind.</p> <p>0607.8.2 Design an experiment to investigate differences in the amount of the sun's energy absorbed by a variety of surface materials.</p> <p>0607.8.3 Design an experiment to demonstrate how ocean currents are associated with the sun's energy.</p> <p>0607.8.4 Analyze ocean temperature data to demonstrate how these conditions affect the weather in nearby land masses.</p> <p>0607.8.5 Interpret data found on ocean current maps.</p>	<p>Water Models (201)</p>

<p>GLE 0607.8.4 Analyze meteorological data to predict weather conditions.</p>	<p>0607.8.6 Use data collected from instruments such as a barometer, thermometer, psychrometer, and anemometer to describe local weather conditions.</p>	<p>AfterMath (289) Nature Rules! (262) Piece It Together (174) Raining Cats and Dogs (435) The Rainstick (442) The Thunderstorm (196) Wet Vacation (206)</p>
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Grade 6: Standards 9-11 - Omitted

WET Correlations: SCIENCE GRADE 7

Grade 7 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0707.Inq.1 Design and conduct open-ended scientific investigations.</p> <p>GLE 0707.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data.</p> <p>GLE 0707.Inq.3 Synthesize information to determine cause and effect relationships between evidence and explanations.</p> <p>GLE 0707.Inq.4 Recognize possible sources of bias and error, alternative explanations, and questions for further exploration.</p> <p>GLE 0707.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.</p>	<p>0707.Inq.1 Design and conduct an open-ended scientific investigation to answer a question that includes a control and appropriate variables.</p> <p>0707.Inq.2 Identify tools and techniques needed to gather, organize, analyze, and interpret data collected from a moderately complex scientific investigation.</p> <p>0707.Inq.3 Use evidence from a dataset to determine cause and effect relationships that explain a phenomenon.</p> <p>0707.Inq.4 Review an experimental design to determine possible sources of bias or error, state alternative explanations, and identify questions for further investigation.</p> <p>0707.Inq.5 Design a method to explain the results of an investigation using descriptions, explanations, or models.</p>	<p>A-maze-ing Water (219) Branching Out! (129) People of the Bog (89) Rainy-Day Hike (186) wAtEeR in moTion (450) Wetland Soils in Living Color (212)</p>

Grade 7 : Embedded Technology & Engineering

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0707.T/E.1 Explore how technology responds to social, political, and economic needs.</p> <p>GLE 0707.T/E.2 Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting.</p> <p>GLE 0707.T/E.3 Compare the intended benefits with the unintended consequences of a new technology.</p> <p>GLE 0707.T/E.4 Describe and explain adaptive and assistive bioengineered products.</p>	<p>0707.T/E.1 Use appropriate tools to test for strength, hardness, and flexibility of materials.</p> <p>7707.T/E.2 Apply the engineering design process to construct a prototype that meets certain specifications.</p> <p>0707.T/E.3 Explore how the unintended consequences of new technologies can impact society.</p> <p>0707.T/E.4 Research bioengineering technologies that advance health and contribute to improvements in our daily lives.</p> <p>0707.T/E.5 Develop an adaptive design and test its effectiveness.</p>	<p>Energetic Water (242) Irrigation Interpretation (254) wAtEeR in moTion (450)</p>

Grade 7 : Standard 1 - Cells

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0707.1.1 Make observations and describe the structure and function of organelles found in plant and animal cells.</p> <p>GLE 0707.1.2 Summarize how the different levels of organization are integrated within living systems.</p>	<p>0707.1.1 Examine and describe plant and animal cells using compound microscopes.</p> <p>0707.1.2 Identify the function of the major plant and animal cellular organelles.</p> <p>0707.1.3 Make a Venn diagram to compare the structures and functions of an animal cell with a city or school.</p> <p>0707.1.4 Build a 3-D model of a cell.</p>	

<p>GLE 0707.1.3 Describe the function of different organ systems and how collectively they enable complex multicellular organisms to survive.</p>	<p>0707.1.5 Construct a poster that illustrates the hierarchy among cells, tissues, organs, organ systems, and organisms.</p> <p>0707.1.6 Describe the function of different organ systems.</p> <p>0707.1.7 Explain how different organ systems interact to enable complex multicellular organisms to survive.</p> <p>0707.1.8 Apply the idea of the division of labor to explain why living things are organized into cells, tissues, organs, and organ systems.</p>	
<p>GLE 0707.1.4 Illustrate how cell division occurs in sequential stages to maintain the chromosome number of a species.</p>	<p>0707.1.9 Model the movement of chromosomes during plant cell division.</p>	
<p>GLE 0707.1.5 Observe and explain how materials move through simple diffusion.</p>	<p>0707.1.10 Design a demonstration that illustrates how materials move across a semi-permeable membrane by simple diffusion.</p>	<p>Aqua Bodies (63) Let's Even Things Out (72)</p>

<h2 style="text-align: center;">Grade 7 : Standard 3 - Flow of Matter and Energy</h2>		
<p>Learning Expectations</p>	<p>Checks for Understanding</p>	<p>Project WET Correlations</p>
<p>GLE 0707.3.1 Distinguish between the basic features of photosynthesis and respiration.</p>	<p>0707.3.1 Associate the fundamental processes of photosynthesis and respiration with appropriate cell structures.</p> <p>0707.3.2 Examine and identify the chloroplasts in a leaf cell.</p> <p>0707.3.3 Identify the materials used by plants to make food.</p>	

	0707.3.4 Create a chart that compares the reactants and products of photosynthesis and respiration.	
GLE 0707.3.2 Investigate the exchange of oxygen and carbon dioxide between living things and the environment.	0707.3.5 Model the pathways of water, oxygen, and carbon dioxide through a plant. 0707.3.6 Describe the movement of oxygen and carbon dioxide between living things and the environment. 0707.3.7 Describe structures that animals use to obtain oxygen.	People of the Bog (89) Thirsty Plants (116)

Grade 7 : Standard 4 - Heredity

Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0707.4.1 Compare and contrast the fundamental features of sexual and asexual reproduction.	707.4.1 Classify organisms according to whether they reproduce sexually or asexually.	
GLE 0707.4.2 Demonstrate an understanding of sexual reproduction in flowering plants.	0707.4.2 Label and explain the function of the reproductive parts of a flower. 0707.4.3 Describe various methods of plant pollination.	
GLE 0707.4.3 Explain the relationship among genes, chromosomes, and inherited traits. GLE 0707.4.4 Predict the probable appearance of offspring based on the genetic characteristics of the parents	0707.4.4 Investigate the relationship among DNA, genes, and chromosomes. 0707.4.5 Explain the differences between dominant and recessive traits. 0707.4.6 Use a Punnett square to predict the genotypes of offspring resulting from a monohybrid cross.	

	<p>0707.4.7 Draw a phenotypically accurate picture of an individual whose traits are modeled by the role of a die.</p>	
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Grade 7: Standards 5 and 6 - Omitted

Grade 7 : Standard 7 – The Earth

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0707.7.1 Describe the physical properties of minerals.</p>	<p>0707.7.1 Organize and explain information about the properties of minerals and their uses.</p>	<p>Molecules in Motion (47)</p>
<p>GLE 0707.7.2 Summarize the basic events that occur during the rock cycle.</p>	<p>0707.7.2 Label a diagram that depicts the major processes of the rock cycle.</p> <p>0707.7.3 Distinguish among sedimentary, igneous, and metamorphic rocks and relate these to a simple diagram of the rock cycle.</p>	<p>The Incredible Journey (161) Just Passing Through (166)</p>
<p>GLE 0707.7.3 Analyze the characteristics of the earth’s layers and the location of the major plates.</p> <p>GLE 0707.7.4 Explain how earthquakes, mountain building, volcanoes, and sea floor spreading are associated with movements of the earth’s major plates.</p>	<p>0707.7.4 Recognize that the earth’s layers have different thickness, states of matter, densities, and chemical makeup.</p> <p>0707.7.5 Analyze the relationship between plate movements and areas of earthquake activity.</p> <p>0707.7.6 Analyze the relationship between plate movements and mountain building.</p> <p>0707.7.7 Analyze the relationship between plate movements, volcanoes, and sea floor spreading.</p>	<p>Geyser Guts (144) Wetland Soils in Living Color (212)</p>

<p>GLE 0707.7.5 Differentiate between renewable and nonrenewable resources in terms of their use by man.</p>	<p>0707.7.8 Determine the impact of man’s use of renewable and nonrenewable resources on future supplies.</p>	<p>Choices & Preferences (367) Common Water (232) Dilemma Derby (377) A Drop in the Bucket (238) Easy Street (382) Every Drop Counts (307) Get the Ground Water . . . (136) The Long Haul (260) Money Down the Drain (328) Pass the Jug (392) Perspectives (397) Water Bill of Rights (403) Water Concentration (407) Water Meter (271) Water Works (274)</p>
<p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere.</p>	<p>0707.7.9 Evaluate how human activities affect the condition of the earth’s land, water, and atmosphere.</p>	<p>A-maze-ing Water (219) A Grave Mistake (311) Humpty Dumpty (316) Irrigation Interpretation (254) No Bellyachers (85) Poison Pump (93) The Pucker Effect (338) Reaching Your Limits (344) Sum of the Parts (267) Super Bowl Surge (353) Super Sleuths (107) Water Actions (12) Wish Book (460)</p>

Grade 7: Standard 8-10 – Omitted

<h3>Grade 7 : Standard 11 - Motion</h3>		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0707.11.1 Identify six types of simple machines.</p>	<p>0707.11.1 Compare the six types of simple machines.</p>	<p>Energetic Water (242)</p>

GLE 0707.11.2 Apply the equation for work in experiments with simple machines to determine the amount of force needed to do work.	0707.11.2 Compete an investigation to determine how machines reduce the amount of force needed to do work.	
GLE 0707.11.3 Distinguish between speed and velocity.	0707.11.3 Summarize the difference between the speed and velocity based on the distance and amount of time traveled.	Back to the Future (293)
GLE 0707.11.4 Investigate how Newton's laws of motion explain an object's movement.	0707.11.4 Recognize how a net force impacts an object's motion.	Branching Out! (129) Rainy-Day Hike (186) wAtEeR in moTion (450)
GLE 0707.11.5 Compare and contrast the basic parts of a wave.	0707.11.5 Create a graphic organizer to illustrate and describe the basic parts of a wave.	
GLE 0707.11.6 Investigate the types and fundamental properties of waves.	0707.11.6 Compare how transverse and longitudinal waves are produced and transmitted.	

WET Correlations: SCIENCE GRADE 8

Grade 8 : Embedded Inquiry		
Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0807.Inq.1 Design and conduct open-ended scientific investigations.</p> <p>GLE 0807.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data.</p> <p>GLE 0807.Inq.3 Synthesize information to determine cause and effect relationships between evidence and explanations.</p> <p>GLE 0807.Inq.4 Recognize possible sources of bias and error, alternative explanations, and questions for further exploration.</p> <p>GLE 0807.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.</p>	<p>0807.Inq.1 Design and conduct an open-ended scientific investigation to answer a question that includes a control and appropriate variables.</p> <p>0807.Inq.2 Identify tools and techniques needed to gather, organize, analyze, and interpret data collected from a moderately complex scientific investigation.</p> <p>0807.Inq.3 Use evidence from a dataset to determine cause and effect relationships that explain a phenomenon.</p> <p>0807.Inq.4 Review an experimental design to determine possible sources of bias or error, state alternative explanations, and identify questions for further investigation.</p> <p>0807.Inq.5 Design a method to explain the results of an investigation using descriptions, explanations, or models.</p>	<p>Adventures in Density (25) Hangin’ Together (35) H₂Olympics (30) Is there Water on Zork? (43) Life in the Fast Lane (79) Sparkling Water (348) What’s the Solution? (54) Where Are the Frogs? (279)</p>

Grade 8 : Embedded Technology & Engineering

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0807.T/E.1 Explore how technology responds to social, political, and economic needs.</p> <p>GLE 0807.T/E.2 Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting.</p> <p>GLE 0807.T/E.3 Compare the intended benefits with the unintended consequences of a new technology.</p> <p>GLE 0807.T/E.4 Describe and explain adaptive and assistive bioengineered products.</p>	<p>0807.T/E.1 Use appropriate tools to test for strength, hardness, and flexibility of materials.</p> <p>0807.T/E.2 Apply the engineering design process to construct a prototype that meets certain specifications.</p> <p>0807.T/E.3 Explore how the unintended consequences of new technologies can impact society.</p> <p>0807.T/E.4 Research bioengineering technologies that advance health and contribute to improvements in our daily lives.</p> <p>0807.T/E.5 Develop an adaptive design and test its effectiveness.</p>	<p>Water Crossings (421)</p>

Grade 8: Standards 1- 4 – Omitted

Grade 8 : Standard 5 - Biodiversity and Change

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0807.5.1 Identify various criteria used to classify organisms into groups.</p> <p>GLE 0807.5.2 Use a simple classification key to identify a specific organism.</p>	<p>0807.5.1 Select characteristics of plants and animals that serve as the basis for developing a classification key.</p> <p>0807.5.2 Create and apply a simple classification key to identify an organism.</p>	

GLE 0807.5.3 Analyze how structural, behavioral, and physiological adaptations within a population enable it to survive in a given environment.	0807.5.3 Compare and contrast the ability of an organism to survive under different environmental conditions.	Life in the Fast Lane (79) Macroinvertebrate Mayhem (322) Thirsty Plants (116) Water Address (122)
GLE 0807.5.4 Explain why variation within a population can enhance the chances for group survival.	0807.5.4 Collect and analyze data relating to variation within a population of organisms.	
GLE 0807.5.5 Describe the importance of maintaining the earth's biodiversity.	0807.5.5 Prepare a poster that illustrates the major factors responsible for reducing the amount of global biodiversity. 0807.5.6 Prepare graphs that demonstrate how the amount of biodiversity has changed in a particular continent or biome.	
GLE 0807.5.6 Investigate fossils in sedimentary rock layers to gather evidence of changing life forms.	0807.5.7 Create a timeline that illustrates the relative ages of fossils in sedimentary rock layers.	The Great Stony Book (150) Old Water (171)

Grade 8: Standards 6-8 – Omitted

Grade 8 : Standard 9 - Matter		
Learning Expectations	Checks for Understanding	Project WET Correlations
GLE 0807.9.1 Understand that all matter is made up of atoms.	0807.9.1 Identify atoms as the fundamental particles that make up matter.	
GLE 0807.9.2 Explain that matter has properties that are determined by the structure and arrangement of its atoms.	0807.9.2 Illustrate the particle arrangement and type of motion associated with different states of matter. 0807.9.3 Measure or calculate the mass, volume, and temperature of a given substance. 0807.9.4 Calculate the density of various objects.	Adventures in Density (25) Hangin' Together (35) H₂Olympics (30) Imagine! (157) Is there Water on Zork? (43) Molecules in Motion (47) Poetic Precipitation (182) Sparkling Water (348) Water Crossings (421) What's the Solution? (54)

<p>GLE 0807.9.3 Interpret data from an investigation to differentiate between physical and chemical changes.</p> <p>GLE 0807.9.4 Distinguish among elements, compounds, and mixtures.</p> <p>GLE 0807.9.5 Apply the chemical properties of the atmosphere to illustrate a mixture of gases.</p> <p>GLE 0807.9.6 Use the periodic table to determine the characteristics of an element.</p> <p>GLE 0807.9.7 Explain the Law of Conservation of Mass.</p> <p>GLE 0807.9.8 Interpret the events represented by a chemical equation.</p>	<p>0807.9.6 Differentiate between physical and chemical changes.</p> <p>0807.9.5 Distinguish between elements and compounds by their symbols and formulas.</p> <p>0807.9.7 Describe how the characteristics of a compound are different than the characteristics of their component parts.</p> <p>0807.9.8 Determine the types of interactions between substances that result in a chemical change.</p> <p>0807.9.9 Explain how the chemical makeup of the atmosphere illustrates a mixture of gases.</p> <p>0807.9.10 Identify the atomic number, atomic mass, number of protons, neutrons, and electrons in an atom of an element using the periodic table.</p> <p>0807.9.11 Use investigations of chemical and physical changes to describe the Law of Conservation of Mass.</p> <p>0807.9.12 Differentiate between the reactants and products of a chemical equation.</p>	
<p>GLE 0807.9.9 Explain the basic difference between acids and bases.</p>	<p>0807.9.13 Determine whether a substance is an acid or a base by its reaction to an indicator.</p>	<p>Where Are the Frogs? (279)</p>

Grade 8: Standards 10-11 – Omitted

Grade 8 : Standard 12 - Forces in Nature

Learning Expectations	Checks for Understanding	Project WET Correlations
<p>GLE 0807.12.1 Investigate the relationship between magnetism and electricity.</p> <p>GLE 0807.12.2 Design an investigation to change the strength of an electromagnet.</p> <p>GLE 0807.12.3 Compare and contrast the earth's magnetic field to that of a magnet and an electromagnet.</p> <p>GLE 0807.12.4 Identify factors that influence the amount of gravitational force between objects.</p> <p>GLE 0807.12.5 Recognize that gravity is the force that controls the motion of objects in the solar system.</p>	<p>0807.12.1 Create a diagram to explain the relationship between electricity and magnetism.</p> <p>0807.12.2 Produce an electromagnet using a bar magnet and a wire coil.</p> <p>0807.12.3 Experiment with an electromagnet to determine how to vary its strength.</p> <p>0807.12.4 Create a chart to distinguish among the earth's magnetic field, and fields that surround a magnet and an electromagnet.</p> <p>0807.12.5 Explain the difference between mass and weight.</p> <p>0807.12.6 Identify factors that influence the amount of gravitational force between objects.</p> <p>0807.12.7 Explain how the motion of objects in the solar system is affected by gravity.</p>	