

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)