

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