Special thanks to Evergreen Community Charter School for their assistance with these correlations.

**Science**

6.E.2: Understand the structure of the earth and how interactions of constructive and destructive forces have resulted in changes in the surface of the earth over time and the effects of the lithosphere on humans.

6.E.2.3—Explain how the formation of soil is related to the parent rock type and the environment in which it develops.

*Activities: Wetland Soils in Living Color—pg. 217*

6.L.1.2—Explain the significance of the processes of photosynthesis, respiration and transpiration to the survival of green plants and other organisms.

*Activities: Virtual Water—pg. 289; The Incredible Journey—pg. 155*

6.L.2: Understand the flow of energy through ecosystems and the responses of populations to the biotic and abiotic factors in their environment.

6.L.2.3—Summarize how the abiotic factors (such as temperature, water, sunlight, and soil quality) of biomes (freshwater, marine, forest, grassland, desert, Tundra) affect the ability of organisms to grow, survive and/or create their own food through photosynthesis.

*Activities: Wetland Soils in Living Color—pg. 217; Discover the waters of Our National Parks—pg. 493; Ocean Habitats—pg. 73; Macroinvertebrate Mayhem—pg. 343*

6.P.2: Understand the structure, classifications and physical properties of matter.

6.P.2.1—Recognize that all matter is made up of atoms and atoms of the same element are all alike, but are different from the atoms of other elements.

*Activities: Adventures in Density—pg. 3*

6.P.2.2—Explain the effect of heat on the motion of atoms and molecules through a description of what happens to particles during a change in phase.

*Activities: Molecules in Motion—pg. 33*

6.P.2.3—Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point and solubility to
properties that are dependent on the amount of matter present to include volume, mass and weight.

Activities: Adventures in Density—pg. 3; h2olympics—pg 13; Hangin’ Together—pg. 19; Is There Water on Zork?—pg. 27

Health Education


6.PCH.1.4—Select methods of prevention based on modes of transmission of communicable diseases.

Activities: Healthy Habits—pg. 63

6.PCH.3: Analyze measures necessary to protect the environment.

6.PCH.3.1—Differentiate between individual behaviors that can harm or help the environment.

Activities: A-maze-ing Water—pg. 231; Grave Mistake (A)—pg. 315; My Water Footprint—pg. 441; Rainy Day Hike—pg. 169; Storm Water—pg. 395; Sum of the Parts—pg. 283; There is No Away—pg. 453; Water Audit—pg. 469

6.PCH.3.2—Implement plans to work collaboratively to improve the environment.

Activities: Water Audit—pg. 469

6.NPA.2: Apply strategies to consume a variety of nutrient dense foods and beverages in moderation.

6.NPA.2.2—Differentiate the health effects of beverages which are nutrient dense with those high in sugar and calories.

Activities: On Track with Hydration—pg. 95

Social Studies

6.G.1: Understand geographic factors that influenced the emergence, expansion, and decline of civilizations, societies and regions over time (i.e. Africa, Asia, Europe, and the Americas).

6.G.1.1—Explain how the physical features and human characteristics of a place influenced the development of civilizations, societies and regions (e.g. location near rivers and natural barriers, trading practices and spread of culture).

Activities: Water Crossings—pg. 487
6.G.1.4—Explain how and why civilizations, societies and regions have used, modified and adapted to their environments (e.g. invention of tools, domestication of plants and animals, farming techniques and creation of dwellings).

Activities: Water Crossings—pg. 487

6.G.2: Apply the tools of a geographer to understand the emergence, expansion and decline of civilizations, societies, and regions.

6.G.2.2—Construct maps, charts and graphs to explain data about geographic phenomena (e.g. migration patterns and population and resource distribution patterns).

Activities: Water Crossings—pg. 487; Color Me a Watershed—pg. 239