

ACADEMIC STANDARDS MET IN THE EARTHSHIP JOURNEY PROGRAM

NEXT GENERATION SCIENCE STANDARDS

Fourth Grade:

- 4-ESS3-1 – Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
- 3-LS3-2 – Use evidence to support the explanation that traits can be influenced by the environment.
- 4-LS1-1 – Construct an argument that plants and animals have internal and external growth structures that function to support survival, growth, behavior and reproduction.

Fifth Grade:

- *5-LS2-1 – Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.
- *4-LS1-2 – Use a model to describe that animals receive different types of information through their senses, process the information in their brain and respond to the information in different ways.
- 5-ESS3-1 – Obtain and combine information about ways individual communities use science ideas to protect the Earth’s resources and environment.

Sixth Grade:

- *MS-LS1-6 – Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.
- MS-LS2-2 – Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems
- MS-LS2-1 – Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.

* These standards are met on the Nature Center trail which is not described in this manual.

MATH STANDARDS

Fourth Grade:

- 4.M.1 – Measure length to the nearest quarter-inch, eighth-inch and millimeter
- 4.M.3 – Use four operations to solve real-world problems involving distances, intervals of time, volume and mass.

Fifth Grade:

- 5.M.1 – Convert among different sized standard measurement units within a given measurement system, and use these conversions in solving multi-step, real-world problems.

READING STANDARDS

- 4., 5. and 6. RV.2.1 – Apply context clues and text features to determine the meaning of unknown words
- 4., 5. and 6. RV.1 – Build and use accurately general academic and content-specific words and phrases
- 4., 5. and 6. SL.2.1 – Engage effectively in a range of collaborative discussions (one-on-one, in groups and teacher-led) on grade-appropriate topics, building on others’ ideas and expressing personal ideas clearly.