

Aristotle Preparatory Academy
2014-2015
STEM

STEM will focus on Core Knowledge Sequence areas based upon grade level for the 2014-2015 school year. Lessons will build upon the knowledge gained throughout the semester in a logical order.

Fall Semester

Grade	Domain	Culminating Experience
Kindergarten	Animals, Their Senses, Relationships with people	Students will design their own animal and present to the class what it eats, where it lives, how it moves etc.
1st	Living things and their environment	Students will build a 3D model of a Habitat
2nd	Simple Machines	Caine's Arcade- Students will engineer an Arcade game using boxes and simple machines
3rd	Astronomy, Aerospace and Aeronautics	Students will design, build, and launch soda bottle rockets
4th	Weather, Weather Tools, Prediction of Weather	Students will create a Youtube weather report

Spring Semester

Grade	Domain	Culminating Experience
Kindergarten	Plants, Relationships between animals and plants	Students will plant, grow, harvest, and enjoy eating a salad
1st	Introduction to Electricity, electromagnets, solar power	Students will engineer and cook with a solar oven
2nd	Cycles of Nature/ Entomology	Students will observe the metamorphosis of a butterfly
3rd	Ecology	Students will design a way for the school to reduce, reuse, or recycle waste
4th	Electricity, circuits and alternative energy	Students will design and test a wind turbine.