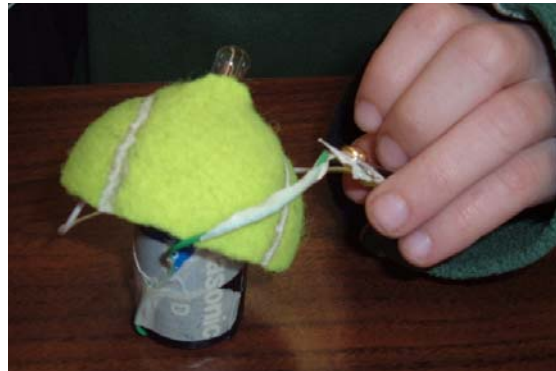


Grade Five

There are four science units and one mini-unit in grade five; Pond Life/Aquarium, Weather and Climate, Simple Circuits / Magnets and Motors and Simple Machines. Systems are a focus on the grade five units; Pond Life introduces ecosystems and food chains/ pyramid relationships in an ecosystem. The unit is designed to focus student's attention on the interactions within a New England Pond. There is an emphasis on the use of a microscope and drawing from observation. The *Weather and Climate* unit and optional *Owl Pellets* mini unit contain activities which reinforce the concepts found in this unit. *Weather and Climate* considers weather to consist of the action of energy (sunlight) on the earth's air and water and climate based on many years of collected weather data. The optional mini-unit, *Owl Pellets* provides students with an opportunity to develop dissection skills while learning about owls, bone identification, skeletal structure, food chains and adaptations.

Simple Circuits a simple system of energy use, connecting batteries, wires and bulbs to light a bulb. Magnets and Motors lessons highlight the two-sides of the same coin - electricity and magnetism. In using *Simple Machines*, students gather data on mechanical advantage and use this as evidence to make a claim.



Students have opportunities to read about science topics, design, set up, and carry out controlled experiments. By the end of the year, students should have an opportunity to design and carry out an investigation with a partner.