

Science 7 – Interactions and Ecosystems

Outcome	Activity title / description	Notes	Non- Consumable materials	Consumable materials	School provided materials
A-1, A-3	The Effect of Humans on a Candy Ecosystem – students use a plot study to investigate the impact of humans on candy populations.	Not in text		Variety of candy types (preferably wrapped)	Meter sticks, string, masking tape
A-1	Tools for the Task – students investigate animal adaptations for acquiring food.	See p. 12 SF7 *use any available foods or tools *see also Candy Plot Study	Stopwatch, tongs, forceps, clothespins	Plastic spoons, ziplock bags, toothpicks, rice, cereal, raisins	Rubber bands
A-2	Wetland Wonders – students investigate water flow through a “sponge” wetland habitat.	See p. 26 SF7 *Aluminum pans can be re-used *measuring cups can be substituted for graduated cylinders.	5 Sponges, stopwatch, 250mL graduated cylinder, 500 mL beaker	2 Aluminum pans, food coloring	Scissors, modeling clay
A-3	Ecosystem in a Jar – students create a small ecosystem and monitor changes in the ecosystem over time.	Not in text	Glass jars or 500 mL beakers, thermometer, lamp or light source, 50 ml graduated cylinder	Potting soil and / or sand, bird seed, pH paper, small snip of an aquatic plant.	Ruler, non-permanent markers
A-4	Mealworm’s ecosystem – students investigate a mealworm’s response to light, moisture and background.	See p. 39 SF7 *Purchase mealworms at a local pet supply store	Flashlight or lamp, 3 petri dishes, water bottle	Ice cubes, ziplock bags, mealworms	Black construction paper, paper towels
A-4	What’s for Dinner? – owl pellet study, students investigate the niche of a barn owl.	See p. 44 SF7	Bone Sorting Chart, forceps	Wooden skewers or toothpicks, Owl Pellets	Paper towels

