

Science 8 – Light and Optics

Outcome	Activity title / description	Notes	Non- Consumable materials	Consumable materials	School provided materials
1	Illuminating the properties of light		Spectrometers, flashlights, laser pointer, square bottles, round bottles, thermometers	Petri dishes, cocoa powder, clear gelatin, red gelatin, green gelatin,	White paper, black cardstock paper, white cardstock paper
1	The Herschel Experiment		3 Thermometers with blackened bulbs, glass prism, stopwatch	Cardboard box, White paper, tape	scissors
2	Light up Your Life	SA8 p. 178-179.	Flashlights or ray boxes, colored filters, flat mirrors, concave lens, convex lens, large beaker, solar calculator	Cornstarch, water, wax paper	Tissue paper, white paper
2	Reflection Lab	SA8, p. 195	Plane mirror, ray box with single slit or small laser	Modeling clay	Protractor, ruler, white paper
2	Refraction Lab From Air to Solids	SA8 p. 202-203	Glass block, ray box with single slit or small laser, plastic block		Protractor, ruler, white paper
3	Checking out Images	SA8 p. 206	Battery and wires Convex lenses Meter stick	Cardboard stand White paper Light bulb Modeling clay	

