





	<p>Sky Challenger (Northwest) Good Heavens! Astronomy Game (Northwest) flashlights Spheres (marbles, peas, volleyballs, beach ball...) <b>Resource Books:</b> Peterson First Guides to Astronomy Peterson First Guides to the Solar System Flight, Space &amp; Astronomy Optional: The Game of Space (Boreal)</p>
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	corn syrup Benedict's solution Heart diagrams or chart (optional dissection of a pig's heart)	Lugol's iodine solution glucose indicator strips
2 Optics	Incandescent light (candles, light bulbs) Luminescent light (fluorescent bulb, glow stick) Flashlights Substance with different densities (oil, shampoo, acrylic, etc.) Colour paddles Concave lenses Camera	colour transparencies convex lenses mirrors diagram or chart of the eye
3 Fluids	Dry ice Substances of different viscosity (shampoo, oil, honey, etc.) Straws Balance scales Beakers Pneumatic and hydraulic systems Syringes	alcohol thermometers squeeze bottles graduated cylinders, hydrometer rubber tubing
4 Water Systems	Hydrometer Flasks Rubber stoppers Stream tables (plastic containers) Print, multimedia or field trip resources for erosion, flooding, waste treatment and pollution	beakers food colouring test tubes
<b>Senior 1</b>		
1 Reproduction	Models, diagrams or videos of cell division Diagrams or charts of male and female reproduction systems DNA models Articles, journals, internet resources, current research	
2 Atoms and Elements	Foil Baking soda Candles Periodic Tables Pure substance for flame test (water, gold, salt) Household items and packaging Articles, journals, videos, internet resource, current research Dry ice HCL Potassium iodide Manganese dioxide Sulfuric acid	balloons vinegar steel wool Mg salt lead nitrate magnesium ribbon hydrogen peroxide phenolphthalein indicators
3 The Nature of Electricity	Plastic rods Electroscope Silk Electrophorus ( foam cup, straw, foil plate, string, etc.) Leydon jar Batteries Wire Bulbs	glass and ebony rods wool plastic straws neon bulbs photocells magnets buzzers

	Switches Multimeter or voltmeter	piezoelectric crystals ammeter
4 Exploring the Universe	Astrolabe Posters or charts of planets, solar system, asteroids, etc. charts of constellations	