Required Materials

No special materials are required for Physical Science B, however, some common household items may be needed for supplemental activities.

Each activity and item listed in this table are for exploration and extension activities that are ungraded.

Lesson	Activity	Materials
1	Exploring Speed	A stopwatch (or a phone timer) A measuring tape or meter stick
2	Analyzing Force and Acceleration	3 books (thicker are better) ruler (one with a groove in the center is best) marble tape index card
2	Momentum Demo	basketball tennis ball
3	Analyze a Ramp	string object to pull up ramp (e.g. block) books 3 boards of different lengths (or recycled cardboard)
3	Calculating Power	bathroom scale metric ruler a flight of stairs (or some bleachers) stopwatch
3	Exploring Levers	A stiff ruler (preferably wooden) A plastic zip-top bag Pen or pencil Masking tape



		Scissors
		Pennies or small coins of the same type
		A bar of soap in a box (or something similar)
		flashlight
4	Introductory Activity	solar calculator
		wind-up toy car
4		rubber band
4	Exploring Energy	ruler
		Water
		A heater (a stove or an electric kettle)
5	Exploring Heat	A cup (preferably styrofoam, but any will work)
		A thermometer
		A liquid measuring cup
		2 cups of water (glass or clear plastic)
5	Exploring Heat	piece of black paper
J	Exploring freat	piece of white paper
		thermometer
		Large pizza box
		Ruler
		Black marker
5	Make a Solar Oven	Box cutter
		Heavy-duty aluminum foil
		Glue
		Black construction paper



		Scissors
		50155015
		Plastic wrap
		Таре
		Stick or plastic straw (optional)
		A microwave
		A plate
7	Calculating the Speed of Light	A full size plain chocolate bar (like a Hershey's bar)
		A ruler
	Analyzing Colors of Light	3 clear glasses
		red, blue, and green food coloring
		scissors
7		a sheet of white paper
7		a sheet of green paper
		scissors
		flashlight
	Exploring Mirrors	A shiny metal spoon (the shinier it is, the better it will work)
8		A pencil
		a cardboard tube (like a paper towel roll or toilet paper roll
8	Build a pinhole camera	a piece of black construction paper
		4 rubber bands



		two squares of aluminum foil (size depends on your cardboard tube)
		wax paper
		a pin
		A permanent magnet (the stronger the better)
10	Exploring Magnets	Paperclips