

PHYSICAL SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	PHYSICAL MATERIALS
G3	3-PS2-3 3-PS2-5	Enerfy Transfer and Electric Curr	Electricity	Kits	electrostatic kits (fur, wool, rods, styrofoam mini balls in a container),
	3-PS2-3 3-PS2-4	Properties of Matter	Electricity	Kits	circuits boards, doorbells, switches, generators, Van der graaff generator, plasma globe, wires,
	3-PS2-3 3-PS2-4	Electric and Magnetic Forces	Magnetism	Equipment	magnets (several types), iron filings (shavings loose & in containers), remagnetizer, compasses
	3-PS2-3 3-PS2-4	Enerfy Transfer and Electric Curr	Electricity	Kits	circuits boards, doorbells, switches, generators, Van der graaff generator, plasma globe, wires,
	3-PS2-1	Objects and Motion	Forces	Equipment	toy cars, tracks, loop track w/marbles, slinkies, levers, blocks, pulleys, weights, bike wheel w/turn

EARTH & SPACE SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	PHYSICAL MATERIALS
G3	3-LS4-1	Fossils	Geology	Specimens	several types of minerals (See mineral list)
	3-LS4-1	Fossils	Geology	Kits	fossil kits (small & large)
	3-LS4-1	Fossils	Geology	Specimens	rocks, bones
	3-ESS3-1	Process Of Impacts Of Natural H	Geology	Equipment	screen sieves
	3-ESS3-1	Process Of Impacts Of Natural H	Geology	Equipment	shake table
	3-ESS2-1 3-ESS2-2	Weather And Climate	Meteorology & Climate Change	Equipment	wind meters w/compasses, kilowatt meters, thermometers, ph meters

LIFE SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	PHYSICAL MATERIALS
G3	3-LS1-1	Life Cycles	Biology	Specimens	lady butterfly life cycle, butterfly garden
	3-LS3-1 3-5-ETS1-2	Inheritance and Variation of Traits	Biology	Equipment	scissors, trays
	3-LS4-2	Survival of the Fittest	Biology	Equipment	games, beans
	3-LS4-4 3-5-ETS1-1 3-5-ETS1-2	Environmental Changes and Effects	Biology	Specimens	see specimen list below
	3-LS4-4 3-5-ETS1-1 3-5-ETS1-2	Environmental Changes and Effects	Ecosystems	Games	games/cards
	3-LS4-3 3-5-ETS1-1 3-5-ETS1-2	Adaptations	Biology	Specimens	see specimen list below