

## PHYSICAL SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	PHYSICAL MATERIALS
G1	1-PS4-1	Sound	Sound	Equipment	sound meter, tuning forks & mallets, singing rods, instruments (just a few now), kalimba
	1-PS4-2 1-PS4-3	Behavior of light	Optics/Light	Equipment	prisms, colored glass, mirrors, spectrometers, colored light bulbs
	1-PS4-2 1-PS4-3	Behavior of light	Optics/Light	Kits	water prisms, light box

## EARTH & SPACE SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	EARTH & SPACE MATERIALS
G1	1-ESS1-1	Patterns in Space	Space & Astronomy	Models	sun, moon & planets, earth globes, mars globe, moon globe, seasons
	1-ESS1-1	Patterns in Space	Space & Astronomy	Equipment	styrofoam balls, sun spotters, telescope
	1-ESS1-2	Seasonal Patterns	Meteorology & Climate Change	Equipment	flashlights, scissors, sun spotters

## LIFE SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	LIFE SCIENCE MATERIALS
G1	1-LS1-1	Part of Plants	Botany	Specimens	bamboo, lots of plant specimens, grass, leaf & flower
	1-LS1-1	Part of Plants	Botany	Specimens	tree rounds, cut wood, seeds, cones
	1-LS1-1	Part of Plants	Botany	Equipment	plant press, handlenses, hand lenses
	1-LS1-1	Part of Plants	Botany	Models	flower, chloroplast, plant cells, vinyl stick on board,
	1-LS1-1	Parts of Animals	Biology	Models	hearts, torso, ears, eyes, lungs, head & neck, tongue, teeth, mouth,
	1-LS1-1	Parts of Animals	Biology	Specimens	full skeleton, arms, legs, feet, hands, vertebrae (backbone), mini
	1-LS3-1	Plant Trait Inheritance Variation	Biology	Kit	jelly bean activity
	1-LS1-2	Protecting the Young	Biology	Equipment	scissors, tuning forks, cans, posters
	1-LS1-2	Protecting the Young	Biology	Specimens	frog life cycle, moth/butterfly life cycle
	1-LS3-1	Animal Trait Inheritance Variation	Biology	Games	Lego kits