

# EARTH & SPACE SCIENCES

GRADE	NGSS	STEMSCOPES LESSON	SUBJECT AREA	MATERIAL TYPE	EARTH & SPACE MATERIALS
K	K-ESS2-1	Weather Conditions	Meteorology & Climate Change	Equipment	wind meters w/compases, kilowatt meters, thermometers, ph meters
G1	1-ESS1-1	Patterns in Space	Space & Astronomy	Models	sun, moon & planets, earth globes, mars globe, moon alobe, seasons alobe
	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
G2	2-ESS2-2	Mapping Our World	Geology	Models	land blocks
	2-ESS2-2	Mapping Our World	Geology	Models	water flow model
	2-ESS2-2	Quick & Slow Changes To Land	Geography	Maps	California counties 3D topography
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 Hazards	Geology	Equipment	screen sieves
	3-ESS3-1	Process Of Impacts Of Natural Hazards	Geology	Equipment	shake table
	3-ESS2-1 3-ESS2-2	Weather And Climate	Meteorology & Climate Change	Equipment	wind meters w/compases, kilowatt meters, thermometers, ph meters
G4	4-ESS1-1	Rock Patterns	Geology	Kits	rock kits (small & large), hardness kits, mineral kits (small & larae)
	4-ESS1-1	Rock Patterns	Geology	Specimens	Industrial minerals, various rocks of all types
	4-ESS1-1	Rock Patterns	Geology	Equipment	geotechnical gauge
	4-PS4-1	Wavelength And Amplitude	Geology	Equipment	casts, spectroscope
	4-PS4-1	Wavelength And Amplitude	Geology	Equipment	shake table
G5	5-ESS2-1	Earth's Systems Interactions	Geology	Models	water flow model
	5-ESS2-2	Water Sources	Geology	Games	water themed games
	5-ESS2-2	Water Sources	Geology	Maps/Posters	water themed posters
	5-PS2-1	Gravity	Geography	Models	drift globes
	5-ESS1-2	Earth's Rotation	Geography	Models	drift globes
	5-ESS1-2	Earth's Rotation	Space & Astronomy	Models	sun, moon & planets, earth globes, mars globe, moon globe, seasons globe
	5-ESS1-2	Earth's Rotation	Space & Astronomy	Equipment	styrofoam balls, sun spotters, telescope

## SPECIMEN

Graphite Mineral  
 Tin Mineral  
 Foil Mineral  
 Magnesium Metal Mineral  
 Gold Leaf Mineral  
 Sulfur Mineral  
 Gold Leaf Mineral  
 Iron Ore Mineral  
 Steel Rods Mineral  
 Zirconium Unit Mineral  
 Carbon Steel Minerals  
 Iron Ore Minerals  
 Pig Iron Minerals  
 Magnesium Metal Minerals  
 Lead Minerals  
 Cupric Sulphate Minerals