



RECOMMENDED MINIMUM CORE INVENTORY TO SUPPORT STANDARDS-BASED INSTRUCTION

MIDDLE GRADES SCIENCES

Grades 6-8 Science Equipment List

Quantity per lab group	Quantity per classroom/ adjacent work area	Description
SAFETY EQUIPMENT		
	1	Emergency Shower
	1	Eye Wash Station
	1	Fire Blanket
	1	Fire Extinguisher
	1	Flammables cabinet
1/student		Goggles
	1	Goggles sanitizer (holds 36 pairs of goggles)
	1	Lockable storage cabinet
	1	Chemical storage reference book
EQUIPMENT/SUPPLIES		
1		Balance scale
1		Balance, triple beam or digital (triple beam balances support math skills)
2		Spring scales (to 1,000 g)
2		Calculators
4		Beakers, 50 mL
4		Beakers, 100 mL
4		Beakers, 250 mL
2		Beakers, 400 or 600 mL
1		Beakers, 1000 mL
1		Cork and stopper
	100	Pipette/eye dropper
4		Flask, Erlenmeyer 125 mL
	4	Flask, Erlenmeyer 250 mL
2		Funnels, plastic 2.75"



CALIFORNIA'S ADVOCATE FOR HIGH QUALITY SCIENCE EDUCATION

Quantity per lab group	Quantity per classroom/ adjacent work area	Description
2		Funnels, plastic 5.00"
4		Graduated cylinders, 10 mL
4		Graduated cylinders, 50 mL
4		Graduated cylinders, 100 mL
1		Graduated cylinders, 500 or 1000 mL
1		Hot plates
1/student		Magnifying lens
1		Meter stick
1		Mortar and pestle
		Pan, aluminum pie
4		Protractor
4		Drawing compass
4		Rulers, metric
	100	Test tubes
1		Test tube rack
2		Timers/stopwatches
4		Scissors
1/student		Thermometers, Celsius and Fahrenheit combo
1		Tongs, beaker
2		Tongs, test tube
	1	Overhead document camera
	1	Television or digital projector
	1	Classroom topographic map/poster (of region being studied)
2		Classroom topographic map/poster (of region being studied)
2		Topographic modeling kits
	1	Cross section of the Earth model
2		Bathymetric maps
	1	Periodic table wall chart
1		Classroom world plate boundary map
2		Plate boundary map
2		World maps
2		Earthquake/volcano map
1		Stream table set up

Developed by California Science Teachers Association to support the implementation of the California Next Generation Science Standards. Approved by the CSTA Board of Directors November 17, 2015.



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Quantity per lab group	Quantity per classroom/ adjacent work area	Description
1		Sediment for stream tables
1 set		Materials to simulate wave motion
1		Slinky (extra-long) to simulate wave motion
1 set		Density blocks
1 box		Paper clips
1 set		Liquids with different densities (syrup/sugar water, salt water, water, rubbing alcohol, etc.)
	1	Food pyramid/My Plate
4		Food pyramid/My Plate templates
	1 set	Organism cards with roles in an ecosystem (plants/producers, herbivores, etc.)
	1 set	Natural resource samples (petroleum, tree/wood, etc.)
	1 set	Common objects made from natural resources (plastics, paper, etc.)
1/pair of students (can be shared between two classes)		Compound microscope (with magnification of 40x, 100x, and 400x)
One per lab group (can be shared between two classes)		One dissecting/stereo microscope (with magnification of 20x and 40x)
		Coverslips (plastic)
		Microscope stains
	5 boxes	Microscope slides
	5 boxes	Depression slides
1/pair of students		Prepared slides (onion root tip, etc.)
	1 set	Karyotype charts
	1 set	Fossils
1		World globe
	1	Paleontology chart: Earth/history
1		Convex lens
1		Concave lens
4		Small mirrors
	1	Eye diagram
	1	Ear diagram
	1	Torso
	1	Heart model
1		Bunsen burner

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Quantity per lab group	Quantity per classroom/ adjacent work area	Description
1		Rings with clamps
1		Ring stands (or other lab counter top support)
	100	Cork and stopper
4		Evaporating dish
1		Gauze, wire, ceramic base
	5 pkg (100)	Paper, filter
	1 vial each	Litmus paper, red and blue
1		pH paper
	1	HR diagram poster
	1	Spectroscopy poster
4		Spectroscopes
	100	Balloons (6" diameter)
1 each		Balls (tennis, ping pong, rubber, super, golf, etc.)
	1 spool	Cord or fishing line
	100	Foam plates
Bag of 50		Marbles
1 roll		Masking or painter's tape
	1 set	8 slope ramps with different surface textures
1 set		Washers
FACILITIES		
A source of water and access to waste disposal are recommended for classrooms.		