

**RECOMMENDED MINIMUM CORE INVENTORY
TO SUPPORT STANDARDS-BASED INSTRUCTION IN
EARTH/SPACE SCIENCE**

developed by California Science Teachers Association

Qty per lab group	Qty per classroom/adjacent work area	Description	Comments
SAFETY EQUIPMENT			
	classroom set	aprons	
	1	eye wash station	
	1	fire blanket	
	1	fire extinguisher	
	1	first aid kit	
	1	goggles sanitizer (holds 36 pairs of goggles)	
	1/person	safety goggles	
	1	television or digital projector	
	1	VCR	
EQUIPMENT/SUPPLIES			
Environmental Equipment			
	1	anemometer	
	1	atmosphere chart	
1		balance	
	1	barometer, aneroid	
	1	camera	
	1	cloud chart	
2		compass	
1		conductivity tester	
	10	earth globes	
1		flora and fauna guide	
	1	gps receiver	
2		graduated cylinder, 100 ml	
1		graduated cylinder, 500 ml, clear plastic	
1		hand lens	
1		hydrometer	
1		hygrometer, digital	
1		meter stick	
	1	ozone test kit	
1 vial		ph paper (0-14)	
	1	rain gauge	
1		sling psychrometer	
	1	snow board (geographically appropriate)	
	1	snow depth pole (geographically appropriate)	
2		tape measure, 50 m	
1		thermometers, calibration	
1		thermometers, max/min	
1		tornado tube	
	4	total dissolved solids (conductivity) tester	
2		turbidity tube	
	4	water testing kit: alkalinity	

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	4	water testing kit: dissolved oxygen	
	4	water testing kit: nitrate	
	4	water testing kit: salinity	
	4	water testing kit: transparency	
	1	weather map chart	
	1	weather station	
	1	wind direction device	
Geology/Geography Equipment			
1		contour map set (ocean floor, topographic)	
	1	earth history model	
1		earthquake/volcano hazard map(s)	
	1	Earth's interior globe model	
	1	element sets	
1		fault block model set	
	1	fault map set (local and state)	
1		fossil set	
	1	GPS navigation system	
	1	hydrologic map of California	
	1	igneous/sedimentary/metamorphic rock charts	
	1	igneous/sedimentary/metamorphic rock sample collection	
	1	magnetic field demonstrator	
	1	maps, USGS, assorted set	
1		microscope, dissecting	
1		mineral sets	
2		mineral testing kit (streak plates, Mohs scale, dilute acid solution/dropper bottles)	
	1 kg	modeling clay	
	1	Periodic Table of the Elements Chart	
	1	plate tectonic chart	
	1	renewable/non-renewable resources chart	
	1	seafloor spreading model	
	1	seismograph model	
1		soil test kit (pH, nitrogen, phosphorus, and potassium, color comparator system)	
1		stream tables (w/ sand)	
	1	United States raised relief map	
	1	UV lamp	
Space Science Equipment			
	1	anatomy of the universe chart	
	1	telescope	
	1	constellation globe	
	1	Coriolis effect kit	

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	1	Milky Way Galaxy model	
	1	moon chart	
	1	orbitor planetarium (sun/earth/moon orbit)	
1 bag/kit		polystyrene balls, assorted sizes	
	1	solar system chart	
	1	planet orbit (planetarium) model	
Computer-Assisted Learning			
		Internet access to digital libraries (i.e., Google Earth, Google Maps, GEON, NASA, NOAA, USGS, etc.)	
FACILITIES			
A source of water and access to waste disposal (i.e., lab stations/sinks) are essential for classrooms in which earth/space science is taught.			