

Inquiry Project: Grade 4 Curriculum Materials Kit List

(assume class of 24 students in 6 groups)

Qty	Item	Description	Details
Earth Materials			
1 liter	pebbles	dry washed pebbles	8 to 16 mm
1 liter	gravel	dry washed medium gravel	2 to 4 mm
1 liter	sand	dry washed fine sand	1/8 to 1/4 mm
1 liter	top soil/organic material	label organic soil	black organic soil or top soil
600g	shells	small, thin, easily crushed	eg. clam, scallop shells (it is important that they can be easily crushed)
1/2 liter	clay	dry gray powder	
1/2 liter	mineral oil		Light mineral oil (CVS brand works well)
Rocks			
6	sandstone	size = 3-4 cm	
6	conglomerate	size = 3-4 cm	
6	basalt	size = 3-4 cm	
6	granite	size = 3-4 cm	
Minerals			
6	quartz	size = 3-4 cm	
6	graphite	size = 3-4 cm	
6	mica	size = 3-4 cm	
6	biotite	size = 3-4 cm	
6	feldspar	size = 3-4 cm	
6	halite	size = 3-4 cm	
6	hematite	size = 3-4 cm	
6	talc	size = 3-4 cm	
Density Cubes			
6	aluminum	1" x 1" x 1" cube	Available from Science First (www.sciencefirst.com) as part of density cube set, part #611-2020
6	copper	1" x 1" x 1" cube	Available from Science First (www.sciencefirst.com) as part of density cube set, part #611-2020
Other Materials			
2 lbs	plastic modeling clay	non-drying, non-toxic; tan or light color	
125	cylindrical containers	clear plastic; cylindrical with cover; approx. 5cm diam. x 9cm tall; capacity – approx. 150ml	Thornton Plastic Co; www.thorntonplastics.com 40 dram plastic vials with caps

6	rectangular container	clear plastic rectangular; approx. 12cm x 12cm x 5cm tall; no cover	Area of the base should be approx. 144cm ²
6	rectangular container	clear plastic rectangular; approx. 7½ cm x 11cm x 5½ cm tall; no cover	Area of the base should be approx. 80cm ²
24	clear plastic boxes	plastic box; fits 20cc (20 plastic cc cubes) ideally 4cm x 5cm x 1 cm	Gary Plastic Packaging Corp.; www.plasticboxes.com; Part #G315 Or alternative since this is not perfect
14	50ml graduated cylinder		Kartell 50ml graduated cylinder (code 1078) is recommended
1	100ml graduated cylinder		Kartell 100ml graduated cylinder (code 1079) is recommended
1	measure line	TERC measure line	NumberLineBanner.pdf (the file includes printing instructions)
500	cubes	1cm x 1cm x 1cm cubes; weight = 1g; plastic, non-interlocking	
12	plastic pipettes	polyethylene squeeze bulb; approx 145mm long; tip diameter = 3mm; capacity = 2ml	
25	magnifiers	plastic magnifier; approx 11cm long; 2 magnifying areas (3X, 6X)	Sargent-Welch economy dual magnifier
1 roll	adding machine tape	paper adding machine tape; approx 2" wide	
1	blue food coloring	approx 10cc	
30	cups	clear plastic; capacity = 20oz or larger	
60	cups	3oz, clear plastic	
60	plates	heavy duty; white; plastic dinner size	
30	forks	heavy duty plastic	
30	spoons	heavy duty plastic	
8	trays	plastic; approx 10" x 12 ½"	
1 box	sandwich bags	box of 50 fold-top plastic sandwich bags	
6	scales	digital scale	Escali Primo digital multifunctional scale - model P115C
1	eraser	plastic eraser	Staedtler Mars plastic eraser
1	pitcher	plastic; capacity = 2 qt	

1	strainer	approx 5-6" diameter	Holds 1/8 – 1/4 mm granular material
1	roll	heavy duty aluminum foil; 25'	
12	reference sheets	Rock/Mineral Reference Sheets	4C_Rock_Mineral_Reference.pdf Color print and place in plastic sleeve or laminate. The pdf file is also available as part of the grade 4 curriculum on the Inquiry Project website (inquiryproject.terc.edu)

Supplies from the classroom:

- paper towels
- clear plastic tape
- masking tape
- 6-8 black fine tip permanent markers
- index cards

Replacement kit:

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1/2 liter	mineral oil		Light mineral oil (CVS brand works well)
	Other Materials		
2 lbs	plastic modeling clay	non-drying, non-toxic; tan or light color	
60	plates	heavy duty; white; plastic dinner size	
1 roll	adding machine tape	paper adding machine tape; approx 2" wide	
1 box	sandwich bags	box of 50 fold-top plastic sandwich bags	