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Hands-On Lab Kits: The Basics







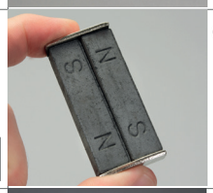
GRADE 5

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Grade 5

The Basics Kit

These items may be needed in multiple modules.

	Mini light bulb 10 ☐		Bulb holder 8 ☐		D-cell battery 16 ☐
	Battery holder 8 ☐		Scale (500 g capacity) 4 ☐		Scale (100 g capacity) 2 ☐
	Electrical wire with alligator clip 10 ☐		Ceramic magnet 2 ☐		Heatproof mat 1 ☐
	Pair of heatproof gloves 1 ☐		250 mL graduated cylinder 8 ☐		Inflatable globe 1 ☐
	1,000 mL graduated cylinder 1 ☐		Eyedropper 1 ☐		Hydrometer 8 ☐

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Kit Items by Fast Track Lesson

Module	1*											2*		3*			4*	
Driving Question	1			2		3				4	5	1	2	1	3	4	1	4
Fast Track Lessons	1	2	3	1	2	1	2	3	4	1	3	1	4	2	3	2	1	1
10 mini light bulbs		✔	✔															
8 bulb holders		✔	✔															
16 D-cell batteries		✔	✔															
8 battery holders		✔	✔															
4 scales (500 g capacity)	✔	✔	✔			✔	✔	✔	✔		✔	✔						
2 scales (100 g capacity)							✔											
10 electrical wires with alligator clips		✔	✔															
2 ceramic magnets		✔	✔															
1 heatproof mat				✔	✔													
1 pair of heatproof gloves				✔	✔													
8 250 mL graduated cylinders									✔							✔		
1 inflatable globe																	✔	✔
1 1,000 mL graduated cylinder														✔				
1 eyedropper														✔				
8 hydrometers																✔		

*Modules:
1 Matter Mysteries Hotline
2 Yellowstone Uncovered
3 H_2O Response Team
4 Galactic Guidebook

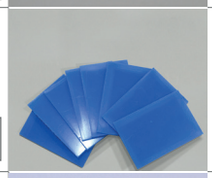
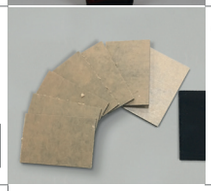
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Grade 5 Module 1: Matter Mysteries Hotline

The Basics Kit

	Modeling clay, 1 lb pack 2 ☐		Sand, marine, 5 lb bag 1 ☐		Resealable plastic bag, 12×15 in. 8 ☐
	Anhydrous citric acid, 22 g 1 ☐		A–E stickers for labeling, pack of 5 sheets 1 ☐		Safety glass, 23” pieces, pack of 8 1 ☐
	Evidence label 8 ☐		Pinwheel 15 ☐		16 oz plastic container 8 ☐
	Circuit board 8 ☐		Iodine bottle with dropper, 30 mL 1 ☐		Antacid tablets, pack of 24 2 ☐
	Pieces of wood, 8+ ☐		Opaque plastic pieces, 2×3 in., pack of 8 2 ☐		Resealable plastic bags, 4×6 in., pack of 32 1 ☐
	Piece of metal (zinc electrode) 8 ☐				

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Grade 5 Module 1: Matter Mysteries Hotline

Kit Items by Fast Track Lesson

Driving Question	1	2		3			4	5		6	
Fast Track Lessons	1	1	2	1	2	4	1	2	3	1	2
2 lb modeling clay											✔
48 antacid tablets				✔							
1 bottle of iodine with dropper		✔	✔			✔					
8 12×15” resealable plastic bags	✔										
8 pieces of wood	✔										
5 lb bag of sand								✔			
32 4×6” resealable plastic bags					✔						
15 pinwheels								✔			
8 plastic containers						✔	✔				
8 evidence labels	✔										
8 pieces of safety glass	✔										
8 pieces of plastic	✔										
8 small circuit boards	✔										
1 pack of A–E stickers for labeling	✔	✔									
1 container anhydrous citric acid					✔						
8 pieces of metal	✔										

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Grade 5 Module 2: Yellowstone: Uncovered

The Basics Kit

	Roll of string 2 ☐		Plant rings, pack of 34 1 ☐		Plastic plant pots, pack of 30 1 ☐
	Bag of potting soil 2 ☐		Pack of Alaska pea seeds 1 ☐		Set of food chain stickers 1 ☐
	Plant stakes, pack of 16 1 ☐				

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Grade 5 Module 2: Yellowstone: Uncovered

Kit Items by Fast Track Lesson

Driving Question	1	2		
Fast Track Lessons	1	2	3	4
1 pack of Alaska pea seeds	✔			
2 rolls of string			✔	
30 plant pots	✔			
16 plant stakes	✔			
1 pack of plant rings	✔			
2 bags of potting soil	✔			✔
1 set of food chain stickers		✔		

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Grade 5 Module 3: H_2O Response Team

The Basics Kit

	Bottle of blue dye 1 ☐		Bag of vermiculite 1 ☐		16 oz plastic container 8 ☐
	Sand, 5 lb bag 1 ☐		Gravel, 5 lb bag 1 ☐		

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Kit Items by Fast Track Lesson

Driving Question	1	4	BA*
Fast Track Lessons	2	2	1
1 bottle of blue dye	✔		
1 bag of gravel			✔
1 bag of sand			✔
8 16 oz plastic containers		✔	
1 bag of vermiculite			✔

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Grade 5 Module 4: Galactic Guidebook

The Basics Kit

	Light-up orb 4 ☐		Pencil compass 1 ☐		Roll of string 1 ☐

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Grade 5 Module 4: Galactic Guidebook

Kit Items by Fast Track Lesson

Driving Question	1	2			3	4	5
Fast Track Lessons	2	1	2	3	2	1	2
1 pencil compass					✔		
1 roll of string						✔	
4 light-up orbs			✔		✔		✔

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