

OpenSciEd Physics Unit 1

KIT # 470354-748

Energy Flow from Earth's Systems



Included Items

Lesson

2	Yarn (blue)	1	
2	Yarn (green)	1	
2	Yarn (red)	1	
2, 5	Alligator clips, 10 leads	8	sets
2, 6	1.5 volt D battery	8	
2, 6	D cell battery holder	8	
2, 6	Alligator clips - teacher needs to strip one end	16	
2, 6	Power strip without plug	8	
2, 6	Incandescent bulbs (1.5V, 100mA) ("grain of wheat" bulbs)	40	
5	Red LED bulbs	24	
5	String	1	
6, 7	Multimeter replaces the digital ammeter, electrical tape, battery connector, battery, container, lid, and boat switch.	1	
6	Dissecting generator	2	
6, 7	Hand-crank DC generator	1	
6, 7	Wire stripper	1	
6	Sandpaper	1	

Sold Separately

Suggested Quantities

Available at wardsci.com Part

Lesson

5	Homemade Generator.	470355-220
	This contains compasses, iron nails, wire, magnets, paper tubes, red LED bulbs, and sticky tack.	

Locally Sourced		Suggested Quantities	Available at wardsci.com Part #
Lesson #			
2	Cardboard box	8	470095-432
2	Philips screwdriver	8	470337-834
11,12	Sticky dots	1 pk	470089-428

Std. Class/Lab Equipment		Suggested Quantities	Available at wardsci.com Part #
Lesson #			
1	3x3 sticky notes	1 pk	470173-822
1,6,8,9	Black markers	1	470338-506
1,6,8,9,11	Chart paper	1 pk	470149-864
1,9,10,11,2	Colored markers	8 pks	470338-508
2	Tape	1	470223-174
2,3	Blank paper (half sheets)	1 pk	470089-238
9	Calculator	35	470349-970