



# Grade 4 • PHYSICAL SCIENCE

# Energy

**⚠** Cautionary warnings. Not intended for children under 3.

<b>⚠</b>	Description	Item Number	Qty in Repl Pkg	Qty in Orig. Kit	Repl. Pkg Order Qty
<b>Core Components</b>					
(1,3,5,7)	Complete Module—Print Bundle	1487660			
(1,3,5,7)	Complete Module—Digital Bundle	1529841			
	Refill Kit (consumable materials for 3 class uses)	1521060			
(1,3,5,7)	Conversion Kit from Energy & Electromagnetism, 3rd Edition	1521397			
(1,3,5,7)	Conversion Kit from Magnetism & Electricity, 2nd Edition	1521396			
	FOSS Science Resources Student Book (each)	1487706			
†‡	FOSS Science Resources Student Book (pack of 16)	1487616			
<b>Consumable Equipment</b>					
†	Candles, birthday	030-0475	1	1	
	D-cells, alkaline	020-9152	1	16	
†‡	Masking tape	200-0371	1	1	
	Recording dots	040-2103-0	840	840	
<b>Permanent Equipment</b>					
†	AA-cells, alkaline	021-3730	1	16	
†‡ (3)	Ball, table-tennis	020-0782	1	1	
†‡	Basin, 6 L, clear plastic	023-2803	1	1	
†	Basins, 8 L, plastic	040-0564	1	8	
†	Batteries (for tone generator), 9-volt	021-0693	1	2	
	Compasses, magnetic	031-4632	1	8	
†	Container, 1/2 L	030-6426-0	1	2	
	Cords	032-6853	4	8	
†‡ (1)	Corks	1403253	1	20	
	Cups, plastic, 250 mL (9 oz.)	031-9868	1	25	
†	Flashlight, large	060-0600	1	1	
†	Flashlights, small	060-5549	1	8	
	FOSS Balances with pointers	020-9163	1	8	
†	FOSS Bulb holders	1401249	1	16	
†	FOSS Cell holders	1401157	1	8	
†	FOSS Circuit bases	1401155	1	8	
†	FOSS Switches	1401125	1	8	
†	FOSS Tone generators	201-2603	1	2	
† (1)	Gravel	070-3845	1	1	
†	Hand-crank generators with two bulbs	1412715	1	2	
†	Index cards	088708	100	100	
(1)	Lightbulbs, #222	020-5809	10	20	
(7)	Magnets on a post	130-3543	1	8	
† (7)	Magnets, bar	131-7347	2	2	
(7)	Magnets, doughnut-shaped	130-3422	1	36	
†‡	Meter tapes	200-9743	1	16	
† (1)	Mirror clips, plastic	080-2358	32	32	
†	Mirrors	130-2047	1	32	
(1)	Motors	130-3554	1	9	
†	Poster, FOSS Outdoor Safety	1358828	1	1	
†	Poster, FOSS Science Safety	1358827	1	1	
†‡	Posters, FOSS Conservation, set of 4	1443969	1	1	

*Continues on next page*



# Grade 4 • PHYSICAL SCIENCE

## Energy

**A** Cautionary warnings. Not intended for children under 3.

<b>A</b>	Description	Item Number	Qty in Repl Pkg	Qty in Orig. Kit	Repl. Pkg Order Qty
<b>Permanent Equipment (continued)</b>					
	Posters, FOSS Sensemaking, set of 3	2013012	1		
†‡	Ramps, yellow	180-2404	1	16	
(1)	Rivets with rubber washers	180-2899	1	8	
†‡	Ropes, for waves	1521349	8	8	
† (1)	Rubber bands, #33	180-7541	50	50	
†‡	Runways, foam	1448145	1	16	
†	Solar cells, with leads	190-3472	1	18	
(1)	Spacers (plastic counters)	190-9764	50	50	
†‡	Spring toy	2041165	1	1	
†	Springs, replacement for FOSS circuit base, cell holder, & switch	1428564	12	12	
	Springs, replacement for FOSS Circuit Base	2028452	12		
	Springs, replacement for FOSS Bulb Holder	2028453	12		
†‡ (5)	Steel balls, large	190-7861	1	16	
†‡ (5)	Steel balls, medium	99-6409	1	16	
†‡ (5)	Steel balls, small	190-4176	1	16	
	Steel strips	192-3635	8	8	
†	Straws, jumbo	190-6497	50	50	
	Telegraph lines	200-4607	1	8	
(1)	Test objects, 38 objects/bag	201-2372	1	8	
(1)	Washers, large	230-0110	25	200	
(1)	Washers, small	230-0088	100	400	
	Wire stripper	230-5346	1	1	
	Wire, 20-gauge, insulated	230-1683	1	1	
	Wire, 24-gauge, insulated	230-0870	1	1	
†	Zip bags, 4 L	021-5005	10	10	
†	Zip bags, small, 7 x 12 cm (2.8" x 3.5")	021-5830	12	36	
<b>Teacher-Supplied Items</b>					
	Bag, plastic, grocery-type	1284605	1		
(1)	Binder clips, small	031-2620	4		
(1)	Bottle, 2 liter	020-5017	1		
	Chart paper	030-3478	4		
(1)	Paper clips, jumbo	084475	100		
	Pencils, colored	160-1456	12		
	Pencils with erasers	161-0014	16		
	Pitcher	160-2413	1		
(1)	Rice	180-0358	1 lb.		
	Salt	050-2193	1 4 oz.		
	Scissors, student	084837	1		
	Screwdriver	191-8290	1		
	Self-stick notes	120-2475	100		



# Grade 4 • PHYSICAL SCIENCE

# Energy

**⚠** Cautionary warnings. Not intended for children under 3.

<b>⚠</b>	Description	Item Number	Qty in Repl Pkg	Qty in Orig. Kit	Repl. Pkg Order Qty
<b>Teacher-Prepared Items</b>					
	Straw scoops	1491029	16		
	Wire, copper, insulated, #20, 15 cm	230-7379	10		
	Wire, copper, insulated, #20, 30 cm	230-6931	16		
	Wire, copper, insulated, #24, 150 cm	230-6964	8		

The Complete Module—Print Bundle consists of:  
module equipment, one Teacher Toolkit (print), and 32 Science Resources (student textbooks).

The Complete Module—Digital Bundle consists of:  
module equipment, and 7 year license to all module resources digitally on FOSSweb on ThinkLink.

The complete module and refill kit are supplied with enough consumable materials for at least 3  
class uses before resupply is required.

† This item is included in the Conversion Kit from FOSS® *Magnetism and Electricity*, 2nd Edition.

‡ This item is included in the Conversion Kit from FOSS® *Energy and Electromagnetism*, 3rd Edition.

**Phone 800-258-1302 • Fax 800-282-9560 • [www.select.schoolspecialty.com/replacement-parts-refill](http://www.select.schoolspecialty.com/replacement-parts-refill)**