



# Grade 5 • EARTH SCIENCE

## Earth and Sun

Cautionary warnings. Not intended for children under 3.

|  | Description                                        | Item Number | Qty in<br>Repl Pkg | Qty in<br>Orig. Kit | Repl. Pkg<br>Order Qty |
|----------------------------------------------------------------------------------|----------------------------------------------------|-------------|--------------------|---------------------|------------------------|
| Core Components                                                                  |                                                    |             |                    |                     |                        |
| (1,3,4)                                                                          | Complete Module—Print Bundle                       | 1530365     |                    |                     |                        |
| (1,3,4)                                                                          | Complete Module—Digital Bundle                     | 1537223     |                    |                     |                        |
|                                                                                  | Refill Kit (consumable materials for 3 class uses) | 1530522     |                    |                     |                        |
| (1,3,4)                                                                          | Conversion Kit from Weather on Earth, 3rd Edition  | 1530536     |                    |                     |                        |
| (1,3,4)                                                                          | Conversion Kit from Water Planet, 2nd Edition      | 1530533     |                    |                     |                        |
|                                                                                  | FOSS Science Resources Student Book (each)         | 1487713     |                    |                     |                        |
| †‡                                                                               | FOSS Science Resources Student Book (pack of 16)   | 1487624     |                    |                     |                        |
| Consumable Equipment                                                             |                                                    |             |                    |                     |                        |
| †‡                                                                               | Chalk, sidewalk, yellow                            | 033-8937    | 16                 | 16                  |                        |
|                                                                                  | Food coloring, 4 colors/set                        | 060-1325    | 1                  | 1                   |                        |
| †                                                                                | Index cards                                        | 088708      | 100                | 100                 |                        |
|                                                                                  | Rock salt                                          | 2006429     | 1                  | 2                   |                        |
|                                                                                  | Self-stick notes                                   | 120-2475    | 100                | 100                 |                        |
| Permanent Equipment                                                              |                                                    |             |                    |                     |                        |
| †‡                                                                               | AA cells                                           | 022-8073    | 1                  | 36                  |                        |
| †‡                                                                               | AAA cells                                          | 021-0704    | 1                  | 4                   |                        |
|                                                                                  | FOSS Balance                                       | 020-9163    | 1                  | 1                   |                        |
| ‡ (3)                                                                            | Ball, plastic                                      | 1510440     | 2                  | 1                   |                        |
| †‡ (3)                                                                           | Balls, white, polystyrene                          | 025-8147    | 20                 | 20                  |                        |
|                                                                                  | Beaker, 1 L                                        | 020-9207    | 1                  | 1                   |                        |
| (1)                                                                              | Binder clips                                       | 024-8481    | 36                 | 36                  |                        |
|                                                                                  | Cardboard sheets                                   | 031-4621    | 1                  | 16                  |                        |
| †                                                                                | Compass on base (for wind vane)                    | 034-1686    | 1                  | 1                   |                        |
| †‡                                                                               | Compasses                                          | 031-4632    | 1                  | 16                  |                        |
| †                                                                                | Containers, 1 L                                    | 032-8822    | 1                  | 8                   |                        |
|                                                                                  | Containers, plastic, 1/2 L                         | 030-6426-0  | 1                  | 8                   |                        |
| †                                                                                | Containers, plastic, black, 1/4 L                  | 1470984     | 1                  | 10                  |                        |
|                                                                                  | Containers, plastic, clear, 1/4 L                  | 030-6514-1  | 1                  | 20                  |                        |
| †                                                                                | Containers, plastic, white, 1/4 L                  | 1470985     | 1                  | 10                  |                        |
|                                                                                  | Craft sticks                                       | 161-8270    | 25                 | 25                  |                        |
| †                                                                                | Cups, plastic, large, 500 mL (16 oz.)              | 031-4577    | 1                  | 16                  |                        |
|                                                                                  | Cups, plastic, small, 250 mL (9 oz.)               | 031-9868    | 1                  | 50                  |                        |
| †‡                                                                               | Cut-and-stick Moon sets                            | 1015596     | 7                  | 7                   |                        |
| (1)                                                                              | Dice                                               | 040-0366-0  | 1                  | 16                  |                        |
|                                                                                  | Dispensing bottle                                  | 021-3971    | 1                  | 1                   |                        |
| †‡                                                                               | Earth globes, 12 cm diameter                       | 070-2052    | 1                  | 8                   |                        |
| †‡                                                                               | Flashlights                                        | 060-5549    | 1                  | 16                  |                        |
|                                                                                  | Globe, inflatable                                  | 070-2570    | 1                  | 1                   |                        |
| †‡ (1)                                                                           | Golf tees                                          | 201-1283    | 20                 | 20                  |                        |
|                                                                                  | Graduated cylinders, 50 mL                         | 070-2085    | 1                  | 2                   |                        |
| (1)                                                                              | Gram pieces                                        | 032-9130    | 100                | 100                 |                        |
| †                                                                                | Hole punch                                         | 160-3777    | 1                  | 1                   |                        |
| †                                                                                | Lamp, clip-on, without shade                       | 120-9781    | 1                  | 1                   |                        |
|                                                                                  | Lids, plastic, dome                                | 120-2453    | 1                  | 12                  |                        |
| †                                                                                | Lids, with slits, for black and white containers   | 1470988     | 1                  | 10                  |                        |



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|----------------------------------------|-----------------------------------------|-------------|--------------------|---------------------|------------------------|
| <b>Permanent Equipment (continued)</b> |                                         |             |                    |                     |                        |
|                                        | Lids, with slits, for clear containers  | 120-2497    | 10                 | 20                  |                        |
| †                                      | Lightbulb                               | 120-2332    | 1                  | 1                   |                        |
| †‡ (1)                                 | Marking pen, dry-erase                  | 1450668     | 1                  | 1                   |                        |
| (1)                                    | Marking pen, permanent                  | 077399      | 12                 | 1                   |                        |
| †‡                                     | Meter tapes                             | 200-9743    | 1                  | 16                  |                        |
| (1,4)                                  | Object set: 2 beads and 2 corks         | 150-0729    | 1                  | 1                   |                        |
|                                        | Pipettes                                | 160-6428    | 1                  | 25                  |                        |
|                                        | Pitchers                                | 160-2413    | 1                  | 2                   |                        |
| †‡                                     | Poster set, Moon Phases, set of 4       | 162-7400    | 1                  | 1                   |                        |
| †                                      | Poster, Earth's Atmosphere              | 1412077     | 1                  | 1                   |                        |
| †                                      | Poster, Earth's Water                   | 1414124     | 1                  | 1                   |                        |
| †                                      | Poster, FOSS Outdoor Safety             | 1358828     | 1                  | 1                   |                        |
| †                                      | Poster, FOSS Science Safety             | 1358827     | 1                  | 1                   |                        |
| †                                      | Poster, The 1st 30 km of the Atmosphere | 1412078     | 1                  | 1                   |                        |
| †                                      | Poster, Water Cycle                     | 1361885     | 1                  | 1                   |                        |
| †‡                                     | Posters, FOSS Conservation, set of 4    | 1443969     | 1                  | 1                   |                        |
|                                        | Posters, FOSS Sensemaking, set of 3     | 2013012     | 1                  |                     |                        |
| †‡                                     | Posters, Moon Calendar                  | 1408349     | 1                  | 2                   |                        |
| †‡                                     | Protractors                             | 161-0839    | 1                  | 16                  |                        |
|                                        | Soil, potting                           | 191-3559    | 1                  | 1                   |                        |
| ‡                                      | FOSS Solar System Cards                 | 034-2668    | 1                  | 16                  |                        |
| †                                      | Spoons, 5 mL                            | 191-1106    | 1                  | 2                   |                        |
| (1)                                    | Stoppers, rubber, #4, 1-hole            | 190-6233    | 1                  | 2                   |                        |
| †                                      | Straws, jumbo                           | 190-6497    | 50                 | 50                  |                        |
| †‡                                     | Straws, short, slim                     | 192-3690    | 50                 | 50                  |                        |
| †                                      | Straws, superjumbo                      | 1445229     | 25                 | 25                  |                        |
|                                        | Straws, superjumbo (for windvane)       | 1306531     | 25                 | 25                  |                        |
| ‡                                      | String                                  | 193-8709    | 1                  | 1                   |                        |
|                                        | Syringe, 30 mL                          | 190-7290    | 1                  | 36                  |                        |
|                                        | Syringes, 50 mL                         | 190-9731    | 1                  | 8                   |                        |
|                                        | Tape, transparent                       | 040488      | 1                  | 2                   |                        |
| †                                      | Thermometers, Celsius                   | 201-1327    | 1                  | 36                  |                        |
|                                        | Tubes, flexible                         | 1397785     | 40                 | 40                  |                        |
| (1)                                    | Vials, 12 dram, with caps               | 220-0824    | 1                  | 20                  |                        |
| †‡                                     | Weather station, digital                | 1461077     | 1                  | 1                   |                        |
| †‡                                     | Zip bags, 1 L                           | 021-1353    | 25                 | 25                  |                        |
| †‡                                     | Zip bags, 4 L                           | 021-5005    | 10                 | 10                  |                        |
|                                        | Zip bags, 7 X 12 cm                     | 025-7765    | 20                 | 20                  |                        |
| <b>Teacher-Supplied Items</b>          |                                         |             |                    |                     |                        |
|                                        | Bag, plastic, grocery-type              | 1284605     | 1                  |                     |                        |
|                                        | Bottle, plastic, 16 oz.                 | 1366375     | 1                  |                     |                        |
|                                        | Calculator                              | 084085      | 1                  |                     |                        |
|                                        | Chart paper                             | 030-3478    | 4                  |                     |                        |
|                                        | Crayons                                 | 030-7526    | 8                  |                     |                        |
|                                        | Fork, metal                             | 060-2909    | 1                  |                     |                        |



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|-------------------------------------------|-----------------------------------------------------------|-------------|--------------------|---------------------|------------------------|
| <b>Teacher-Supplied Items (continued)</b> |                                                           |             |                    |                     |                        |
|                                           | Globe, 12"                                                | 077-9440    | 1                  |                     |                        |
|                                           | Glue stick                                                | 070-2272    | 1                  |                     |                        |
|                                           | Glue, white, 4 oz.                                        | 008970      | 1                  |                     |                        |
|                                           | Lamp, clip-on, without shade (Optional extras for Inv. 4) | 120-9781    | 1                  |                     |                        |
|                                           | Painter's tape                                            | 1369894     | 1                  |                     |                        |
|                                           | Paper, drawing, 8 1/2" x 11"                              | 160-0730    | 30                 |                     |                        |
|                                           | Paper towels, 2-ply, roll                                 | 200-1966    | 1                  |                     |                        |
|                                           | Pencils, colored                                          | 160-1456    | 12                 |                     |                        |
|                                           | Pencils with erasers                                      | 161-0014    | 16                 |                     |                        |
| (1)                                       | Pennies                                                   | 160-9981    | 50                 |                     |                        |
|                                           | Ruler, plastic, 12" (30 cm)                               | 180-2305    | 4                  |                     |                        |
|                                           | Sand, fine brown                                          | 1595426     | 1                  |                     |                        |
|                                           | Scissors, student                                         | 084837      | 1                  |                     |                        |
|                                           | Self-stick notes, 3"x3"                                   | 120-5478    | 100                |                     |                        |
|                                           | Stopwatch                                                 | 190-6410    | 1                  |                     |                        |
|                                           | Wooden spoon                                              | 190-4891    | 1                  |                     |                        |
| <b>Teacher-Prepared Items</b>             |                                                           |             |                    |                     |                        |
|                                           | Cup, plastic, 250 mL, labeled                             | 1491731     | 1                  |                     |                        |
|                                           | Wind vane straws                                          | 230-6877    | 1                  |                     |                        |
|                                           | Wind vane pointers and tails                              | 162-4880    | 1                  |                     |                        |

|                                                                                                                                                    |                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| The Complete Module—Print Bundle consists of:<br>module equipment, one Teacher Toolkit (print), and 32 Science Resources (student textbooks).      |                                                                                               |
| The Complete Module—Digital Bundle consists of:<br>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® <i>Water Planet</i> , 2nd Edition.     |
| ‡                                                                                                                                                  | This item is included in the Conversion Kit from FOSS® <i>Weather on Earth</i> , 3rd Edition. |

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# Grade 5 • LIFE SCIENCE

# Living Systems

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

|  | Description                                        | Item Number | Qty in<br>Repl Pkg | Qty in<br>Orig. Kit | Repl. Pkg<br>Order Qty |
|----------------------------------------------------------------------------------|----------------------------------------------------|-------------|--------------------|---------------------|------------------------|
| Core Components                                                                  |                                                    |             |                    |                     |                        |
| (1)                                                                              | Complete Module—Print Bundle                       | 1487665     |                    |                     |                        |
| (1)                                                                              | Complete Module—Digital Bundle                     | 1537232     |                    |                     |                        |
| (1)                                                                              | Refill Kit (consumable materials for 3 class uses) | 1531644     |                    |                     |                        |
| (1)                                                                              | Conversion Kit from Living Systems, 3rd Edition    | 1532069     |                    |                     |                        |
| (1)                                                                              | Conversion Kit from Living Systems, 2nd Edition    | 1532068     |                    |                     |                        |
|                                                                                  | FOSS Science Resources Student Book (each)         | 1487710     |                    |                     |                        |
| †‡                                                                               | FOSS Science Resources Student Book (pack of 16)   | 1487620     |                    |                     |                        |
| Consumable Equipment                                                             |                                                    |             |                    |                     |                        |
| †                                                                                | Index cards                                        | 088708      | 100                | 100                 |                        |
| †‡ (1)                                                                           | Lung volume bag mouthpieces                        | 1531189     | 50                 | 100                 |                        |
| †‡                                                                               | Lung volume bags                                   | 1531431     | 60                 | 60                  |                        |
| †‡ (1)                                                                           | Seeds, wheat                                       | 2012958     | 1                  | 9                   |                        |
| †‡                                                                               | Self-stick notes                                   | 120-2475    | 100                | 300                 |                        |
| †                                                                                | Straws, jumbo                                      | 190-6497    | 50                 | 100                 |                        |
| †‡                                                                               | Yeast, bakers, dry                                 | 250-0596    | 1                  | 3                   |                        |
| ‡                                                                                | Zip bags, 1 L                                      | 021-1353    | 25                 | 75                  |                        |
| Permanent Equipment                                                              |                                                    |             |                    |                     |                        |
| †                                                                                | Bags, black, plastic, 30 cm (12") long             | 020-0144-0  | 1                  | 36                  |                        |
| †                                                                                | Bags, clear, plastic, 30 cm (12") long             | 97-0062     | 1                  | 16                  |                        |
| †                                                                                | Bags, clear, plastic, 36 x 51 cm (14" x 20")       | 024-5416    | 1                  | 12                  |                        |
| †                                                                                | Basin                                              | 040-0564    | 1                  | 8                   |                        |
| †                                                                                | Beaker, 100 mL                                     | 020-9218    | 1                  | 8                   |                        |
| †‡ (1)                                                                           | Binder clips                                       | 024-8481    | 36                 | 36                  |                        |
| †                                                                                | Bottle brush                                       | 021-6303    | 1                  | 1                   |                        |
| † (1)                                                                            | Bottles, plastic, clear, 237 mL (8 oz.)            | 021-8558    | 1                  | 16                  |                        |
| †                                                                                | Butterfly cage                                     | 1430642     | 1                  | 1                   |                        |
| †                                                                                | Butterfly cage vial holder                         | 023-3133    | 1                  | 1                   |                        |
|                                                                                  | Container lids, for 1/2 L containers               | 120-1970    | 5                  | 5                   |                        |
|                                                                                  | Containers, 1 L                                    | 032-8822    | 1                  | 8                   |                        |
| †                                                                                | Containers, plastic, 1/2 L                         | 030-6426-0  | 1                  | 36                  |                        |
| †                                                                                | Cup lids with hole                                 | 120-2486    | 1                  | 20                  |                        |
| †                                                                                | Cups with hole, plastic                            | 031-4654    | 1                  | 20                  |                        |
|                                                                                  | Cups, plastic, 250 mL (9 oz.)                      | 031-9868    | 1                  | 10                  |                        |
| †                                                                                | Cups, plastic, 500 mL (16 oz.)                     | 031-4577    | 1                  | 16                  |                        |
| †                                                                                | Dowels                                             | 040-6062    | 18                 | 18                  |                        |
| †                                                                                | Food-web cards, Monterey Bay, set of 12            | 1531428     | 8                  | 8                   |                        |
| †                                                                                | Food-web cards, Woods Ecosystem, set of 20         | 1514860     | 8                  | 8                   |                        |
| †                                                                                | Graduated cylinders                                | 070-8066    | 8                  | 8                   |                        |
|                                                                                  | Hand lenses                                        | 130-0562    | 1                  | 16                  |                        |
| †                                                                                | Jars, plastic, with screw lid with holes           | 100-0570    | 1                  | 8                   |                        |
| †‡                                                                               | Marking pens, permanent                            | 162-0768    | 8                  | 8                   |                        |
| †                                                                                | Meter tapes                                        | 200-9743    | 1                  | 8                   |                        |
| †                                                                                | Pipes, rigid, long, 15 cm (6")                     | 160-9618    | 18                 | 18                  |                        |
| †                                                                                | Pipes, rigid, short, 7.5 cm (3")                   | 160-9629    | 18                 | 18                  |                        |
| †                                                                                | Poster, Circulatory and Respiratory System         | 1489959     | 1                  | 1                   |                        |
| †                                                                                | Poster, FOSS Outdoor Safety                        | 1358828     | 1                  | 1                   |                        |



# Grade 5 • LIFE SCIENCE

# Living Systems

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| <b>⚠</b>                               | Description                                                                                    | Item Number | Qty in<br>Repl Pkg | Qty in<br>Orig. Kit | Repl. Pkg<br>Order Qty |
|----------------------------------------|------------------------------------------------------------------------------------------------|-------------|--------------------|---------------------|------------------------|
| <b>Permanent Equipment (continued)</b> |                                                                                                |             |                    |                     |                        |
| †                                      | Poster, FOSS Science Safety                                                                    | 1358827     | 1                  | 1                   |                        |
| †                                      | Poster, The Heart                                                                              | 1489957     | 1                  | 1                   |                        |
| †‡                                     | Posters, FOSS Conservation, set of 4                                                           | 1443969     | 1                  | 1                   |                        |
|                                        | Posters, FOSS Sensemaking, set of 3                                                            | 2013012     | 1                  |                     |                        |
| †                                      | Posters, Leaf Venation, set of 3                                                               | 1453887     | 1                  | 1                   |                        |
| †                                      | Rubber bands, #33                                                                              | 180-7541    | 50                 | 50                  |                        |
| †                                      | Rubber stoppers, with 2 holes, #2                                                              | 1451040     | 16                 | 16                  |                        |
| †                                      | Spoons, 5 mL                                                                                   | 191-1106    | 1                  | 8                   |                        |
| †                                      | Spray mister                                                                                   | 190-5023    | 1                  | 1                   |                        |
| †                                      | String                                                                                         | 191-4582    | 1                  | 1                   |                        |
|                                        | Syringes, 50 mL                                                                                | 190-9731    | 1                  | 8                   |                        |
| †‡                                     | Teacher sample lung volume bag                                                                 | 020-0200-0  | 1                  | 1                   |                        |
| †                                      | Thermometers, Celsius                                                                          | 201-1327    | 1                  | 8                   |                        |
| †                                      | Tubing pieces, flexible, 45 cm (18")                                                           | 201-8966    | 10                 | 40                  |                        |
| † (1)                                  | Valves, one-way                                                                                | 1450703     | 8                  | 32                  |                        |
| (1)                                    | Vials, 12 dram, with caps                                                                      | 220-0824    | 1                  | 3                   |                        |
|                                        | Volume tubes                                                                                   | 220-1275    | 1                  | 4                   |                        |
| †                                      | Zip bags, 4 L                                                                                  | 024-9747    | 20                 | 20                  |                        |
| <b>•Living Materials*</b>              |                                                                                                |             |                    |                     |                        |
|                                        | –Live Organism Coupons–set of 2 (consists of the following, which may be purchased separately) | 1459534     | 1                  |                     |                        |
|                                        | –Live Organism Coupon, 5 painted lady larvae                                                   | 270-4129    | 1                  |                     |                        |
|                                        | –Live Organism Coupon, 150 redworms                                                            | 1450925     | 1                  |                     |                        |
| <b>Teacher-Supplied Items</b>          |                                                                                                |             |                    |                     |                        |
|                                        | Bag, plastic, grocery-type                                                                     | 1284605     | 1                  |                     |                        |
|                                        | Bleach                                                                                         | 020-2443    | 1                  |                     |                        |
| (1)                                    | Bottle, 2 L                                                                                    | 020-5017    | 1                  |                     |                        |
|                                        | Chart paper                                                                                    | 030-3478    | 4                  |                     |                        |
|                                        | Construction paper, orange                                                                     | 160-0664    | 15                 |                     |                        |
|                                        | Detergent, liquid dawn, 10-15 oz.                                                              | 040-2148    | 1                  |                     |                        |
|                                        | Flour                                                                                          | 060-4141    | 1                  |                     |                        |
|                                        | Glue stick                                                                                     | 070-2272    | 1                  |                     |                        |
|                                        | Hole punch                                                                                     | 160-3777    | 1                  |                     |                        |
|                                        | Masking tape                                                                                   | 200-0393    | 1                  |                     |                        |
|                                        | Measuring spoon                                                                                | 190-4858    | 1                  |                     |                        |
|                                        | Paper, drawing, 8 1/2" x 11"                                                                   | 160-0730    | 30                 |                     |                        |
|                                        | Paper, newsprint, 24" x 36"                                                                    | 161-2929    | 2                  |                     |                        |
|                                        | Paper towels, 2-ply                                                                            | 200-1966    | 1                  |                     |                        |
|                                        | Pen, permanent marker, black                                                                   | 077399      | 12                 |                     |                        |
|                                        | Pencils, colored                                                                               | 160-1456    | 12                 |                     |                        |
|                                        | Pencils with erasers                                                                           | 161-0014    | 16                 |                     |                        |
|                                        | Scissors, student                                                                              | 084837      | 1                  |                     |                        |



## Grade 5 • LIFE SCIENCE

# Living Systems

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|-------------------------------------------|-----------------------------------|-------------|--------------------|---------------------|------------------------|
| <b>Teacher-Supplied Items (continued)</b> |                                   |             |                    |                     |                        |
|                                           | Self-stick notes, (3" x 3")       | 120-5478    | 100                |                     |                        |
|                                           | Soil, potting                     | 191-3559    | 1                  |                     |                        |
|                                           | Sugar, granular                   | 1372343     | 1                  |                     |                        |
|                                           | Tape, transparent                 | 040488      | 1                  |                     |                        |
| <b>Teacher-Prepared Items</b>             |                                   |             |                    |                     |                        |
|                                           | Paper towel strips, 2.5 cm x 9 cm | 1492259     | 24                 |                     |                        |

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.

▪Living Material shipments incur an additional fee of \$12.50 for 1-3 items, \$22.00 for 4-5 items, or \$30.00 for 6+ items. The shipment of certain living materials is restricted by law in a number of states.

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® *Living Systems*, 2nd Edition.

‡ This item is included in the Conversion Kit from FOSS® *Living Systems*, 3rd Edition.

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## Grade 5 • PHYSICAL SCIENCE

# Mixtures and Solutions

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|  | Description                                             | Item Number | Qty in<br>Repl Pkg | Qty in<br>Orig. Kit | Repl. Pkg<br>Order Qty |
|----------------------------------------------------------------------------------|---------------------------------------------------------|-------------|--------------------|---------------------|------------------------|
| Core Components                                                                  |                                                         |             |                    |                     |                        |
| (1,5,7)                                                                          | Complete Module—Print Bundle                            | 1487666     |                    |                     |                        |
| (1,5,7)                                                                          | Complete Module—Digital Bundle                          | 1537300     |                    |                     |                        |
| (1)                                                                              | Refill Kit (consumable materials for 3 class uses)      | 1526690     |                    |                     |                        |
| (1,5,7)                                                                          | Conversion Kit from Mixtures and Solutions, 3rd Edition | 1526987     |                    |                     |                        |
| (1,5,7)                                                                          | Conversion Kit from Mixtures and Solutions, 2nd Edition | 1526983     |                    |                     |                        |
|                                                                                  | FOSS Science Resources Student Book (each)              | 1487711     |                    |                     |                        |
| †‡                                                                               | FOSS Science Resources Student Book (pack of 16)        | 1487621     |                    |                     |                        |
| Consumable Equipment                                                             |                                                         |             |                    |                     |                        |
|                                                                                  | Baking soda                                             | 021-1200    | 1                  | 2                   |                        |
|                                                                                  | Calcium chloride                                        | 031-2608    | 1                  | 2                   |                        |
| †‡                                                                               | Candles, birthday, dripless                             | 030-0475    | 1                  | 1                   |                        |
|                                                                                  | Citric acid                                             | 031-2212    | 1                  | 5                   |                        |
|                                                                                  | Diatomaceous earth                                      | 040-2236    | 1                  | 2                   |                        |
| †‡                                                                               | Epsom salts                                             | 050-1159    | 1                  | 5                   |                        |
| †‡                                                                               | Filter papers, round                                    | 160-4844    | 50                 | 300                 |                        |
| †                                                                                | Food coloring, 4 colors/set                             | 060-1325    | 1                  | 1                   |                        |
| †‡                                                                               | Salt, kosher                                            | 192-5890    | 1                  | 3                   |                        |
|                                                                                  | Salt, kosher, container                                 | 191-1117    | 1                  | 2                   |                        |
|                                                                                  | Self-stick notes                                        | 120-2475    | 100                | 500                 |                        |
| †                                                                                | Straws, jumbo                                           | 190-6497    | 50                 | 50                  |                        |
|                                                                                  | Zip bags, strong, 1 L                                   | 025-2430    | 25                 | 50                  |                        |
| Permanent Equipment                                                              |                                                         |             |                    |                     |                        |
|                                                                                  | FOSS Balances                                           | 020-9163    | 1                  | 8                   |                        |
| †                                                                                | Bases, plastic, straw holder                            | 024-8776    | 8                  | 16                  |                        |
|                                                                                  | Basins                                                  | 040-0564    | 1                  | 8                   |                        |
| †‡                                                                               | Beaker, 100 mL                                          | 020-9218    | 1                  | 1                   |                        |
|                                                                                  | Beaker, 1 L                                             | 020-9207    | 1                  | 1                   |                        |
| †‡                                                                               | Black boxes                                             | 025-2398    | 18                 | 36                  |                        |
| (1)                                                                              | Bottles, plastic, with caps, 120 mL                     | 024-2820    | 17                 | 17                  |                        |
| †                                                                                | Calcium carbonate                                       | 034-1031    | 1                  | 1                   |                        |
|                                                                                  | Containers, 1/2 L                                       | 030-6426-0  | 1                  | 16                  |                        |
|                                                                                  | Containers, 1 L                                         | 032-8822    | 1                  | 8                   |                        |
| †                                                                                | Craft sticks                                            | 2013264     | 50                 | 200                 |                        |
| †‡                                                                               | Cup lids                                                | 120-5731    | 10                 | 10                  |                        |
|                                                                                  | Cups, plastic, 250 mL                                   | 031-9868    | 1                  | 50                  |                        |
| †‡                                                                               | Dots, adhesive, blue                                    | 040-4910    | 35                 | 35                  |                        |
| †‡                                                                               | Drought stopper cardboard box                           | 021-1419    | 1                  | 1                   |                        |
| †‡                                                                               | Drought stopper container                               | 040-2291    | 1                  | 1                   |                        |
| †‡                                                                               | Drought stopper funnel                                  | 060-2436    | 1                  | 1                   |                        |
| †‡                                                                               | Drought stopper tube, 15 cm                             | 200-5035    | 1                  | 1                   |                        |
| †‡                                                                               | Drought stopper tube, 30 cm                             | 200-5024    | 1                  | 1                   |                        |
|                                                                                  | Evaporation dishes                                      | 050-0708    | 10                 | 40                  |                        |
|                                                                                  | FOSS Funnels with three legs                            | 060-2887    | 1                  | 8                   |                        |
| †                                                                                | Graduated cylinders, 50 mL                              | 070-2085    | 1                  | 8                   |                        |



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# Mixtures and Solutions

Cautionary warnings. Not intended for children under 3.

|                                        | Description                          | Item Number | Qty in Repl Pkg | Qty in Orig. Kit | Repl. Pkg Order Qty |
|----------------------------------------|--------------------------------------|-------------|-----------------|------------------|---------------------|
| <b>Permanent Equipment (continued)</b> |                                      |             |                 |                  |                     |
|                                        | Gravel                               | 1595692     | 1               | 2                |                     |
| †                                      | Hand lenses                          | 130-0562    | 1               | 16               |                     |
| †                                      | Hole punch                           | 160-3777    | 1               | 1                |                     |
| †                                      | Magnetite package (ilmenite)         | 180-7772    | 1               | 1                |                     |
| † (7)                                  | Magnets                              | 131-2983    | 8               | 8                |                     |
| †‡ (5)                                 | Marbles                              | 130-9285    | 40              | 40               |                     |
| † (1)                                  | Mass sets, 33 pieces                 | 1391971     | 1               | 8                |                     |
| †‡ (1)                                 | Pebbles, small                       | 1599854     | 1               | 1                |                     |
| †                                      | Pipettes, plastic, thin, beral-type  | 160-6428    | 1               | 50               |                     |
|                                        | Pitchers                             | 160-2413    | 1               | 2                |                     |
| †                                      | Poster, FOSS Outdoor Safety          | 1358828     | 1               | 1                |                     |
| †                                      | Poster, FOSS Science Safety          | 1358827     | 1               | 1                |                     |
| †‡                                     | Posters, FOSS Conservation, set of 4 | 1443969     | 1               | 1                |                     |
|                                        | Posters, FOSS Sensemaking, set of 3  | 2013012     | 1               |                  |                     |
| †‡                                     | Rectangles, foam                     | 181-2230    | 54              | 54               |                     |
|                                        | Screens                              | 191-1172    | 8               | 8                |                     |
|                                        | Spoons, measuring, set of 5          | 190-4924    | 1               | 1                |                     |
|                                        | Spoons, 5 mL                         | 191-1106    | 1               | 8                |                     |
|                                        | Syringes, 50 mL                      | 190-9731    | 1               | 8                |                     |
| †‡                                     | Tape, electrical                     | 200-0283    | 1               | 1                |                     |
| †‡                                     | Thermometers, Celsius                | 201-1327    | 1               | 8                |                     |
| †‡ (1)                                 | Toothpicks                           | 200-1746    | 750             | 750              |                     |
|                                        | FOSS Trays, plastic                  | 200-5080    | 1               | 4                |                     |
| †‡                                     | Triangles, foam                      | 201-9031    | 50              | 50               |                     |
| † (1)                                  | Vials, 12 dram, with caps            | 220-0824    | 1               | 50               |                     |
| <b>Teacher-Supplied Items</b>          |                                      |             |                 |                  |                     |
|                                        | Bag, plastic, grocery-type           | 1284605     | 1               |                  |                     |
|                                        | Bottle, plastic, 16 oz.              | 1366375     | 1               |                  |                     |
| (1)                                    | Bottle, 2 L                          | 020-5017    | 1               |                  |                     |
| (1)                                    | Bottle, 1 L                          | 1307092     | 1               |                  |                     |
|                                        | Bucket, (5 qt.) with lid             | 009-1893    | 1               |                  |                     |
|                                        | Chart paper                          | 030-3478    | 4               |                  |                     |
|                                        | Crayons                              | 030-7526    | 8               |                  |                     |
|                                        | Cups, waxed paper, 3 oz.             | 031-3686    | 1               |                  |                     |
|                                        | Drink mix, sweetened (powder)        | 110-1100    | 1               |                  |                     |
|                                        | Glue stick                           | 070-2272    | 1               |                  |                     |
|                                        | Goggles, plastic safety, child size  | 190-0030    | 1               |                  |                     |
|                                        | Paper, drawing, 8 1/2" x 11"         | 160-0730    | 30              |                  |                     |
|                                        | Paper towels, 2-ply                  | 200-1966    | 1               |                  |                     |
|                                        | Pen, permanent black marker          | 077399      | 12              |                  |                     |
|                                        | Pencils, colored                     | 160-1456    | 12              |                  |                     |
|                                        | Pencils with erasers                 | 161-0014    | 16              |                  |                     |

*Continues on next page*



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|                                           | Description                  | Item Number | Qty in Repl Pkg | Qty in Orig. Kit | Repl. Pkg Order Qty |
|-------------------------------------------|------------------------------|-------------|-----------------|------------------|---------------------|
| <b>Teacher-Supplied Items (continued)</b> |                              |             |                 |                  |                     |
|                                           | Scissors, student            | 084837      | 1               |                  |                     |
|                                           | Self-stick notes, 3" x 3"    | 120-5478    | 1               |                  |                     |
|                                           | Spoon, plastic, slotted, 11" | 192-1083    | 1               |                  |                     |
|                                           | Tape, masking                | 200-0371    | 1               |                  |                     |
|                                           | Tape, transparent            | 040488      | 1               |                  |                     |
|                                           | Vinegar, white               | 220-0615    | 1               |                  |                     |
| <b>Teacher-Prepared Items</b>             |                              |             |                 |                  |                     |
| (6)                                       | Black boxes, prepared        | 025-5092    | 16              |                  |                     |
|                                           | Straws, jumbo, halved        | 1491723     | 24              |                  |                     |

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

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

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