Hands-On NGSS Kits 2020-21
Grades K - 8
Real World Exploration with Hands-On NGSS Kits

Students will investigate the marvels of science with each hands-on NGSS Kit from Discovery Education. Organized by concept and built to directly support the NGSS labs and activities embedded in every unit of California Science Techbook. Create action-packed lessons that help young scientists build mastery of important science and engineering skills.

Ready-to-Teach Kits

California Hands-On NGSS Kits offer an easy-to-use, student-center opportunity to ensure that students and teachers are equipped with the materials they need for real-world scientific investigations.

- Over 1,100 embedded hands-on labs
- Aligned to NGSS and Engineering Practices and Cross Cutting Concepts
- Support Science Techbook™ Units
- Neatly organized and identifiable by unit and concept
- Six-student groups for each class set
- Refill kits available
### California Science Hands-On Kits | Elementary

<table>
<thead>
<tr>
<th>Grade</th>
<th>Hands-On Kit</th>
<th>Includes materials for these units:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kindergarten</td>
<td>CA Hands-On Kit</td>
<td>Motion and Change, Living Things and the Environment, Plant and Animal Needs, Weather and Shelter</td>
</tr>
<tr>
<td>Grade 1</td>
<td>CA Hands-On Kit</td>
<td>Shadows, Light, Motion in the Sky, Plant Shapes, Animal Sounds</td>
</tr>
<tr>
<td>Grade 2</td>
<td>CA Hands-On Kit</td>
<td>Biodiversity in Habitats, How Landscapes Change, Landscape Shapes, Materials From the Land</td>
</tr>
<tr>
<td>Grade 3</td>
<td>CA Hands-On Kit</td>
<td>Playground Forces, Life Cycles for Survival, Surviving in Changing Environments, Weather Impacts</td>
</tr>
<tr>
<td>Grade 4</td>
<td>CA Hands-On Kit</td>
<td>Senses and Survival, Earthquakes, Earth's Changing Surface Car Crashes, Energy Resources</td>
</tr>
<tr>
<td>Grade 5</td>
<td>CA Hands-On Kit</td>
<td>Interacting Earth Systems, From Matter to Organisms, What is Matter Made Of, Patterns in the Night Sky</td>
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</table>

### California Science Hands-On Kits | Middle School

<table>
<thead>
<tr>
<th>Grade</th>
<th>Hands-On Kit</th>
<th>Includes materials for these units:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 6</td>
<td>CA Hands-On Kit</td>
<td>Causes &amp; Effects of Regional Climates, Causes of Weather, Our Changing Climate, Systems on Earth</td>
</tr>
<tr>
<td>Grade 7</td>
<td>CA Hands-On Kit</td>
<td>Matter All Around, Shaping Earth’s Resources and Ecosystems, Sustaining Ecosystems, Matter Cycles and Energy Flow</td>
</tr>
<tr>
<td>Grade 8</td>
<td>CA Hands-On Kit</td>
<td>Life’s Unity and Diversity, Moving Planets, Objects Move and Collide, Monitoring Biodiversity</td>
</tr>
</tbody>
</table>

### Refill Kits *

**DESCRIPTION**

- Kindergarten Hands-On Kit Refill
- Grade 1 Hands-On Kit Refill
- Grade 2 Hands-On Kit Refill
- Grade 3 Hands-On Kit Refill
- Grade 4 Hands-On Kit Refill
- Grade 5 Hands-On Kit Refill
- Grade 6 Hands-On Kit Refill
- Grade 7 Hands-On Kit Refill
- Grade 8 Hands-On Kit Refill

*Refill Kits contain consumables from original Hands-On Kit*

### Safety Kits

**DESCRIPTION**

- Discovery Education Elementary Safety Kit
- Discovery Education Middle School Safety Kit

### Labware

**DESCRIPTION**

- Grade 6 Kit Labware Supplies
- Grade 7 Kit Labware Supplies
- Grade 8 Kit Labware Supplies
# KINDERGARTEN

## Hands-On NGSS Kit

<table>
<thead>
<tr>
<th>NAME</th>
<th>DETAILED DESCRIPTION</th>
<th>TYPE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLASTIC FARM ANIMALS</td>
<td>ANIMALS FARM PLASTIC PK12</td>
<td>NC</td>
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<tr>
<td>PAPER SHOPPING BAG</td>
<td>BAG PAPER 30X42.5X17.5 LRG</td>
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<tr>
<td>PLASTIC SHOPPING BAG</td>
<td>BAG PLASTIC GROCERY 12X7X22</td>
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<tr>
<td>PLASTIC ZIPPER BAGS, LARGE</td>
<td>BAG PLASTIC ZIPPER 9X12IN 4ML</td>
<td>C</td>
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<tr>
<td>BOUNCY BALLS</td>
<td>BALL HI-BOUNCE 1IN PK6</td>
<td>NC</td>
<td>2</td>
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<tr>
<td>BATTERIES, SIZE D</td>
<td>BATTERY SIZE D CARBON ZINC HVY DUTY</td>
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<tr>
<td>LARGE BIN, WITH LID</td>
<td>BIN AND LID 6.3 QT (5.9 L)</td>
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<tr>
<td>BOWLS, PLASTIC</td>
<td>BOWL PLASTIC 7 IN DIA. 28 OZ PK3</td>
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<tr>
<td>BUBBLE WRAP</td>
<td>BUBBLE WRAP 3/16IN BUBBLES 12X12IN SHEET</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>100W FROSTED LIGHT BULB</td>
<td>BULB FROSTED STANDRD INCANDSCNT 100W</td>
<td>NC</td>
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</tr>
<tr>
<td>CARDBOARD BOX WITH SIDES</td>
<td>BX 17 PLAIN 11X8-1/4X7 (BLNKT)</td>
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<tr>
<td>WATERING CAN</td>
<td>CAN WATERING WITH SPRINKLER HEAD</td>
<td>NC</td>
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<tr>
<td>PULL BACK CAR</td>
<td>CAR PULL BACK 2.5 INCH INCH</td>
<td>NC</td>
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</tr>
<tr>
<td>CARDBOARD</td>
<td>CARDBOARD CORRUGATED 30 X 30 CM</td>
<td>C</td>
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<tr>
<td>CARDBOARD</td>
<td>CARDBOARD CORRUGATED 30 X 30 CM</td>
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<tr>
<td>CARDBOARD</td>
<td>CARDBOARD CORRUGATED 30 X 30 CM</td>
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<tr>
<td>CARDSTOCK</td>
<td>CARDSTOCK LETTER SIZE SHEET</td>
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<tr>
<td>CLAMP ON LIGHT WITH SHADE</td>
<td>CLAMP ON LIGHT W/ SHADE 150 WATT MAX</td>
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<tr>
<td>MODELING CLAY</td>
<td>CLAY MODELING 4OZ EA OF RGBY .5KG (1LB).</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>CLOTH, NYLON</td>
<td>CLOTH NYLON WHITE 11 X 9</td>
<td>NC</td>
<td>6</td>
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<tr>
<td>CONNECTING CUBES</td>
<td>CONNECTING CUBES PP 19MM PK100</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>CRAFT STICKS</td>
<td>CRAFT STICKS 114 X 10 X 2MM PK50</td>
<td>C</td>
<td>3</td>
</tr>
<tr>
<td>SEVERAL SMALL WOODEN BLOCKS</td>
<td>CUBES WOOD 1 INCH 6 COLORS X 17 EA</td>
<td>NC</td>
<td>36</td>
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<tr>
<td>PLASTIC CUP, 9 OZ</td>
<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
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<tr>
<td>PLASTIC EGGS</td>
<td>EGG PLASTIC 3 ASSORTED COLORS.</td>
<td>NC</td>
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<tr>
<td>ERASER</td>
<td>ERASER PENCIL CAP</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>FELT</td>
<td>FELT WHITE 9 X 12.</td>
<td>NC</td>
<td>6</td>
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<tr>
<td>FILTER PAPER</td>
<td>FILTER PAPER MED GR 9.0CM 15 MICR</td>
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<tr>
<td>FLASHLIGHT</td>
<td>FLASHLIGHT PLASTIC (SIZE D)</td>
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<tr>
<td>ALUMINUM FOIL</td>
<td>FOIL ALUMINUM REGULAR 12IN X 25FT ROLL.</td>
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<tr>
<td>FUNNEL</td>
<td>FUNNEL PLASTIC 67 MM</td>
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<tr>
<td>POTTING CONTAINER</td>
<td>JIFFY-POTS 3IN PK10</td>
<td>C</td>
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<tr>
<td>HAND LENS</td>
<td>LENS HAND 3X/6X DUAL MAGNIFIER PK6</td>
<td>NC</td>
<td>1</td>
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<tr>
<td>MARBLES, 1 IN</td>
<td>MARBLE CLEAR GLASS 1 INCH DIA PK6</td>
<td>NC</td>
<td>4</td>
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<tr>
<td>METERSTICKS</td>
<td>METER STICK FOLDING METRIC/INCH</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>PLANT FOOD</td>
<td>MIRACLE GRO PLANT FOOD 1.5LB</td>
<td>NC</td>
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</tr>
<tr>
<td>CONSTRUCTION PAPER</td>
<td>PAPER CONSTRUCTION ASST 9X12IN PK50</td>
<td>C</td>
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</tr>
<tr>
<td>WAX PAPER</td>
<td>PAPER WAX 12IN WIDE X 75FT LENGTH ROLL.</td>
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<tr>
<td>PAPER CLIPS</td>
<td>PAPERCLIP SIZE 1 PK100</td>
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<tr>
<td>PLASTIC WRAP</td>
<td>PLASTIC WRAP 12 100’ ROLL..</td>
<td>C</td>
<td>1</td>
</tr>
</tbody>
</table>

**Legend**

- **NC**: Non Consumable
- **C**: Consumable
# KINDERGARTEN (CON’T)

Hands-On NGSS Kit

<table>
<thead>
<tr>
<th>Name</th>
<th>Detailed Description</th>
<th>Type</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Wrap</td>
<td>Plastic Wrap 12 100’ Roll..</td>
<td>C</td>
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</tr>
<tr>
<td>Rope</td>
<td>Rope Clothesline 7/32 X 50’</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Metric Ruler</td>
<td>Ruler Plastic &amp; English 30 cm; 12</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Sand</td>
<td>Sand Medium Grain 2.5kg (5.5 lbs)</td>
<td>NC</td>
<td>3</td>
</tr>
<tr>
<td>Sandpaper</td>
<td>Sandpaper Medium 9 X 11 Sheet</td>
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<td>6</td>
</tr>
<tr>
<td>Sandpaper</td>
<td>Sandpaper Medium 9 X 11 Sheet</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Seeds, Lima Beans</td>
<td>Seed Lima Bean 8oz PK210</td>
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<tr>
<td>Soil, Potting</td>
<td>Soil Potting 4 Quart</td>
<td>C</td>
<td>3</td>
</tr>
<tr>
<td>Spoon, Plastic</td>
<td>Spoon Plastic White</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Spoon, Metal Teaspoon</td>
<td>Spoon, Metal Teaspoon</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Rubber Stopper, 1/2 in.</td>
<td>Stopper Rubb Size00 Sol</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Stopwatch</td>
<td>Stopwatch Electr LED 1/100 Second 60 Min</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Plastic Straws</td>
<td>Straw Plastic Wrapped CLR 19.7cm PK50</td>
<td>C</td>
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<tr>
<td>Disposable Straws</td>
<td>Straws Indv Wrpd CLR 19.7L X.58CM PK100</td>
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</tr>
<tr>
<td>String</td>
<td>String Cotton 200 ft 4-ply</td>
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<tr>
<td>Sugar Cubes</td>
<td>Sugar Cubes 453 G 1 Lb.</td>
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<tr>
<td>Masking Tape</td>
<td>Tape Masking 3/4in X 60 Yds</td>
<td>C</td>
<td>6</td>
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<tr>
<td>Clear Tape</td>
<td>Tape Transparent Dispenser 27.1 FT Roll</td>
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<tr>
<td>Tennis Balls</td>
<td>Tennis Ball</td>
<td>NC</td>
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<tr>
<td>Thermometer (Indoor/Outdoor)</td>
<td>Thermometer In/Out (-20-120F/-30-50C)</td>
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<tr>
<td>Thermometer, Plastic</td>
<td>Thermometer Plastic-Back</td>
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<tr>
<td>Hand Towel</td>
<td>Towel Terry Cloth</td>
<td>C</td>
<td>7</td>
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<tr>
<td>Toy Trucks</td>
<td>Truck Matchbx Type Die Cast Asst Veh</td>
<td>NC</td>
<td>12</td>
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<tr>
<td>Toy Trucks, Pull Back</td>
<td>Truck Pickup Pull-Back W Room For Wght</td>
<td>NC</td>
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<tr>
<td>Tube, Cardboard, Toilet Paper Roll</td>
<td>Tube Cardboard Halves Of 470093-094 PK18</td>
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<tr>
<td>Vinyl Tubing</td>
<td>Tubing Vinyl 1/2 ID X 1/16 Wall.</td>
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<td>Wind Sock</td>
<td>Windsock</td>
<td>NC</td>
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</tr>
<tr>
<td>Wood Block</td>
<td>Wood Block Poplar 3X1.5X1.5IN PK6</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Wooden Board</td>
<td>Wood Board Masonite 1/8 X6 X14</td>
<td>NC</td>
<td>6</td>
</tr>
</tbody>
</table>

NC: Non Consumable
C: Consumable
<table>
<thead>
<tr>
<th>NAME</th>
<th>DETAILED DESCRIPTION</th>
<th>TYPE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAPER BAGS, LUNCH SIZE</td>
<td>BAG BROWN LUNCH</td>
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<tr>
<td>PAPER BAGS, LUNCH SIZE</td>
<td>BAG BROWN LUNCH</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC BAGS GALLON SIZE, ZIP-CLOSURE</td>
<td>BAG PLASTIC ZIP LIP 10X12 4MIL HD</td>
<td>C</td>
<td>24</td>
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<tr>
<td>BALLOONS</td>
<td>BALLOON ROUND 9 PKG/6 ASSORTED COLORS</td>
<td>C</td>
<td>2</td>
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<tr>
<td>BATTERIES, SIZE D</td>
<td>BATTERY SIZE D CARBON ZINC HVY DUTY PK6</td>
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<tr>
<td>BEAKERS, 250 ML</td>
<td>BEAKER, LOW FORM, 250 ML DBL SCALE, VWR</td>
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<tr>
<td>PLASTIC BOTTLE, 8 OZ</td>
<td>BOTTLE CLEAR PLASTIC 8 OZ (240 ML)</td>
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<tr>
<td>100W FROSTED LIGHT BULD</td>
<td>BULB FROSTED STANDRD INCANDSCNT 100W</td>
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<tr>
<td>CAN, METAL</td>
<td>CAN METAL 500 ML W/O LID</td>
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<tr>
<td>INDEX CARDS</td>
<td>CARD INDEX WHITE BLANK 3 X5 INCH PK100</td>
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<tr>
<td>CARDBOARD</td>
<td>CARDBOARD CORRUGATED 30 X 30 CM</td>
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<tr>
<td>CHALK</td>
<td>CHALK WHIT NO CALCULUM CARBONATE PK12</td>
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<tr>
<td>CLEAR LIGHT BULB</td>
<td>CLAMP ON LIGHT W/SHADE 150 WATT MAX</td>
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<tr>
<td>COMB</td>
<td>COMB PLASTIC 15 CM.</td>
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<tr>
<td>PLASTIC CONTAINER, 12 OZ</td>
<td>CONTAINER PLASTIC CLEAR DELI 12OZ</td>
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<tr>
<td>COTTON BALLS</td>
<td>COTTON BALLS PKG/300</td>
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<tr>
<td>CRAFT STICKS</td>
<td>CRAFT STICKS 114 X 10 X 2MM PK50</td>
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<tr>
<td>CRAFT STICKS</td>
<td>CRAFT STICKS 114 X 10 X 2MM PK50</td>
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<tr>
<td>PLASTIC BLOCK</td>
<td>CUBE HOLLOW PLASTIC 2.5 CM</td>
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<tr>
<td>WOODEN BLOCKS</td>
<td>CUBES WOOD 1 INCH 6 COLORS X 17 EA</td>
<td>NC</td>
<td>6</td>
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<tr>
<td>PAPER CUPS, 360 ML, 2</td>
<td>CUP PAPER 360ML</td>
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<tr>
<td>METAL BRADS, 6</td>
<td>FASTENER 1IN BRASS PLT MAGNETIC PK100</td>
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<tr>
<td>2 FELT RECTANGLES WITH MATCHING HOLES</td>
<td>FELT WHITE 9 X 12</td>
<td>NC</td>
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<tr>
<td>FLASHLIGHT</td>
<td>FLASHLIGHT PLASTIC (SIZE D)</td>
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<td>18</td>
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<tr>
<td>ALUMINUM FOIL</td>
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<tr>
<td>FAKE FUR</td>
<td>FUR FAKE 3X</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>HAND LENS</td>
<td>LENS HAND 3X/6X DUAL MAGNIFIER PK6</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>PIECE OF SHINY METAL</td>
<td>LID METAL 75 MM (500 ML CAN)</td>
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<tr>
<td>CLEAR PLASTIC LID</td>
<td>LID PLASTIC CLEAR (27939)</td>
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<td>6</td>
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<tr>
<td>CLEAR PLASTIC LID</td>
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<td>NC</td>
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<tr>
<td>FROSTED PLASTIC LID</td>
<td>LID TRANSL W/SLOT FR 14OZ FOAM CUP</td>
<td>NC</td>
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</tr>
<tr>
<td>PIECE OF MARBLE</td>
<td>MARBLE-WHITE SPECIMEN 2-3CM PK6</td>
<td>NC</td>
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</tr>
<tr>
<td>FLAT MIRROR</td>
<td>MIRROR PLASTIC 7.5X12.5CM PK6</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>ALUMINUM FOIL PAN, 22.5 CM</td>
<td>PAN ALUMINUM FOIL 22.5 CM DIAM 9</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>PAPER CLIPS, LARGE</td>
<td>PAPER CLIP JUMBO BOX/100</td>
<td>C</td>
<td>18</td>
</tr>
<tr>
<td>CONSTRUCTION PAPER</td>
<td>PAPER CONSTRUCTION ASST 9X12IN PK50</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>CONSTRUCTION PAPER</td>
<td>PAPER CONSTRUCTION BLACK 9X12 PK50</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>LARGE SHEETS OF PAPER</td>
<td>PAPER ROLL WHITE 30 IN X 50 FT</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>TISSUE PAPER</td>
<td>PAPER TISSUE ASST COLORS 20X30IN PK20</td>
<td>C</td>
<td>6</td>
</tr>
</tbody>
</table>

NC: Non Consumable
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### Hands-On NGSS Kit

<table>
<thead>
<tr>
<th>Name</th>
<th>Detailed Description</th>
<th>Type</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wax paper</td>
<td>Paper wax 12in wide x 75ft length roll</td>
<td>C</td>
<td>3</td>
</tr>
<tr>
<td>Paper clips</td>
<td>Paperclip size 1 pk100</td>
<td>NC</td>
<td>3</td>
</tr>
<tr>
<td>Pin</td>
<td>Pin straight steel pk400</td>
<td>NC</td>
<td>2</td>
</tr>
<tr>
<td>Pitcher</td>
<td>Pitcher with lid 2 quart</td>
<td>NC</td>
<td>3</td>
</tr>
<tr>
<td>Paper plate</td>
<td>Plate paper white 9 inch dia</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Rubber bands</td>
<td>Rubber bands assorted 1/4lb.</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Metric ruler</td>
<td>Rulerplastmetr &amp; english 30 cm;12</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Seeds, kidney beans</td>
<td>Seed kidney bean 1 lb shelf life 3 yrs.</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Spoon, plastic</td>
<td>Spoon plastic white</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Spoon, plastic</td>
<td>Spoon plastic white</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Spoon, wooden</td>
<td>Spoon wooden pk3</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Spoon, metal teaspoon</td>
<td>Spoon, metal teaspoon</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Plastic straws</td>
<td>Straw plastic wrapped clr 19.7cm</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>String</td>
<td>String cotton 200 ft 4-PLY</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Clear tape</td>
<td>Tape transparent dispenser 27.1 ft roll</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Cardboard paper towel tube</td>
<td>Tube cardboard 12x2in (.060in wall)</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Tube, cardboard, toilet paper roll</td>
<td>Tube cardboard 5.9lx1.377in od (1.27id)</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Tuning fork</td>
<td>Tuning fork alloy 256vps</td>
<td>NC</td>
<td>6</td>
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<tr>
<td>Whistle</td>
<td>Whistle plastic transparent</td>
<td>NC</td>
<td>2</td>
</tr>
<tr>
<td>Wood block</td>
<td>Wood block poplar 3x1.5x1.5in pk6</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Wooden board</td>
<td>Wood board masonite 1/8 x6 x14</td>
<td>NC</td>
<td>1</td>
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<tr>
<td>Yarn</td>
<td>Yarn red skein acrylic</td>
<td>C</td>
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## SECOND GRADE

### Hands-On NGSS Kit

<table>
<thead>
<tr>
<th>NAME</th>
<th>DETAILED DESCRIPTION</th>
<th>TYPE</th>
<th>QTY</th>
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<tbody>
<tr>
<td>PAPER SHOPPING BAG</td>
<td>BAG PAPER 30X42.5X17.5 LRG</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC SHOPPING BAG</td>
<td>BAG PLASTIC GROCERY 12X7X22</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC ZIPPER BAGS (OPTIONAL)</td>
<td>BAG PLASTIC ZIPPER 6X8IN 4ML</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC SANDWICH BAG</td>
<td>BAG ZIP SEALING SANDWICH</td>
<td>C</td>
<td>6</td>
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<tr>
<td>BALANCE, DOUBLE PAN</td>
<td>BALANCE STUDENT W/DOPPLER PAN OHMSS.</td>
<td>NC</td>
<td>36</td>
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<tr>
<td>BEAKERS, PLASTIC, 250ML</td>
<td>BEAKER POLY DISPOSABLE 250ML</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>LARGE BIN, WITH LID</td>
<td>BIN AND LID 6.3 QT (5.9 L)</td>
<td>NC</td>
<td>3</td>
</tr>
<tr>
<td>PLASTIC BOTTLE, 1 1/2 L</td>
<td>BOTTLE CLEAR PLASTIC 1 1/2 L 2033301</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>BOWLS, PLASTIC</td>
<td>BOWL PLASTIC 7 IN DIA. 28 OZ</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>BOWL, STYROFOAM</td>
<td>BOWL STYROFOAM WHITE 12OZ</td>
<td>C</td>
<td>2</td>
</tr>
<tr>
<td>NATURAL CHALK</td>
<td>CALCITE SPECIMEN 2-3CM PK6</td>
<td>C</td>
<td>1</td>
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<tr>
<td>CAN, METAL BLACK</td>
<td>CAN METAL 500 ML W/O LID</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>WATERING CAN</td>
<td>CAN WATERING WITH SPRINKLER HEAD</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>CARDBOARD</td>
<td>CARDBOARD CORRUGATED 30 X 30 CM</td>
<td>C</td>
<td>12</td>
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<tr>
<td>CARDBOARD</td>
<td>CARDBOARD CORRUGATED 30 X 30 CM</td>
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<tr>
<td>CELLOPHANE</td>
<td>CELLOPHANE SQUARES PK18 RGB</td>
<td>C</td>
<td>12</td>
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<tr>
<td>MODELING CLAY</td>
<td>CLAY MODELING 4OZ EA OF RGBY .5KG (1LB).</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>NETTING (PIECE), 2X2FEET</td>
<td>CLOTH NETTING 9IN X 36IN</td>
<td>NC</td>
<td>1</td>
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<tr>
<td>PAPER CONFETTI IN DIFFERENT SHAPES</td>
<td>CONFETTI LIGHT BLUE 1 OZ.</td>
<td>C</td>
<td>6</td>
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<tr>
<td>CONGLOMERATE ROCK, MEDIUM</td>
<td>CONGLOMERATE 2-3CM PK6</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC CONTAINER, 12 OZ</td>
<td>CONTAINER PLASTIC CLEAR DELI 12OZ</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>PLASTIC CONTAINER, 12 OZ</td>
<td>CONTAINER PLASTIC CLEAR DELI 12OZ</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>COTTON BALLS</td>
<td>COTTON BALLS PKG/300</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>CRAFT STICKS</td>
<td>CRAFT STICKS 114 X 10 X 2MM PK50</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>PLASTIC TOY BUILDING BLOCK</td>
<td>CUBES CONNECTING 5 COLORS 3/4IN SET50</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>WAXED PAPER CUP, 200 ML</td>
<td>CUP PAPER OPAQUE WAXED 200ML</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>WAXED PAPER CUP, 200 ML</td>
<td>CUP PAPER OPAQUE WAXED 200ML</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC CUP, 5 OZ</td>
<td>CUP PLASTIC 5OZ TRANS FABRI-KAL</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC CUP, 5 OZ</td>
<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>PLASTIC CUP, 9 OZ</td>
<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
<td>C</td>
<td>2</td>
</tr>
<tr>
<td>PLASTIC CUP, 9 OZ</td>
<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>PLASTIC CUP, 9 OZ</td>
<td>CUP PLASTIC CLEAR SQUAT 9OZ PK50</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>MEASURING CUPS</td>
<td>CUP POLYPROPYLENE MEASURING 8 OZ</td>
<td>NC</td>
<td>1</td>
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<tr>
<td>STYROFOAM CUP, 14 OZ</td>
<td>CUP STYROFOAM 14OZ</td>
<td>C</td>
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</tr>
<tr>
<td>GRADUATED CYLINDER, 50X1 ML</td>
<td>CYLINDER GRADUATED PP SNGL SCALE 50X1ML</td>
<td>NC</td>
<td>1</td>
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<tr>
<td>DISH SOAP</td>
<td>DETERGENT LEMON JOY 12.6 OZ 375 ML</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>COLLECTING NETS (OPTIONAL)</td>
<td>DIP NET 5</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>EYEDROPPER</td>
<td>DROPPER PLASTIC PK6</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>BATTERY FAN</td>
<td>FAN HANDHELD AAA BATTERY POWERED</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>METAL BRADS, 6</td>
<td>FASTENER 1IN BRASS PLT MAGNETIC PK100</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>ARTIFICIAL FEATHERS</td>
<td>FEATHER PKG/6</td>
<td>C</td>
<td>6</td>
</tr>
</tbody>
</table>

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## Second Grade (con’t)

Hands-On NGSS Kit

<table>
<thead>
<tr>
<th>Name</th>
<th>Detailed Description</th>
<th>Type</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Felt</td>
<td>Felt white 9 x 12.</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>2 matching felt rectangles</td>
<td>Felt white 9 x 12.</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Aluminum foil</td>
<td>Foil aluminum regular 12in x 25ft roll.</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Forceps</td>
<td>Forceps plastic 127mm pk6</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Funnel</td>
<td>Funnel plastic 67 mm</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Fake fur</td>
<td>Fur fake 3x3</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Light corn syrup</td>
<td>Glucose syrup lg 500ml</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Gneiss rock, medium</td>
<td>Gneiss 2-3cm pk6</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Granite rock, medium</td>
<td>Granite 2-3cm pk6</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Kaleidoscope</td>
<td>Kaleidoscopes 5.5in x 1.25in pk12</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Knife, plastic</td>
<td>Knife plastic</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Powdered fruit drink mix</td>
<td>Kool-Aid orange unsweetened 1 packet</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>Hand lens</td>
<td>Lens hand 3x/6x dual magnifier pk6</td>
<td>NC</td>
<td>12</td>
</tr>
<tr>
<td>Lid for metal cup</td>
<td>Lid metal 75 mm (500 ml can)</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>Lid for plastic cup</td>
<td>Lid plas clr sh for 2923300</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Lid for foam cup</td>
<td>Lid transl w/slot fr 14oz foam cup</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Lid for paper cup</td>
<td>Lid w/slit for 200ml waxed cup</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Shiny, mirrored paper</td>
<td>Magic mirror 5x7 mylar</td>
<td>C</td>
<td>3</td>
</tr>
<tr>
<td>Screwdriver set</td>
<td>Nine piece screwdriver set</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Plastic shovel</td>
<td>Pail sand w/shovel</td>
<td>NC</td>
<td>2</td>
</tr>
<tr>
<td>Aluminum foil pan, 13x9x2</td>
<td>Pan aluminum foil 13 x 9 x 2</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Aluminum foil pan, 13x9x2</td>
<td>Pan aluminum foil 13 x 9 x 2</td>
<td>C</td>
<td>100</td>
</tr>
<tr>
<td>Aluminum foil pan, 13x9x2</td>
<td>Pan aluminum foil 13 x 9 x 2</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>Aluminum foil pan, 13x9x2</td>
<td>Pan aluminum foil 13 x 9 x 2</td>
<td>NC</td>
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</tr>
<tr>
<td>Plastic pan</td>
<td>Pan plastic util 8 qt 16x12.25x.75</td>
<td>NC</td>
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<tr>
<td>Construction paper</td>
<td>Paper construction asst 9x12in pk50</td>
<td>C</td>
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</tr>
<tr>
<td>Tissue paper</td>
<td>Paper tissue asst colors 20x30in pk20</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Gravel</td>
<td>Pebbles-gravel 2.5kg (5.5lbs)</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Large pebble</td>
<td>Pebbles(stones) 1-2cm 1lb (1 cup)</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Pipe cleaners</td>
<td>Pipe cleaners asst chenilstem 12in pk100</td>
<td>C</td>
<td>4</td>
</tr>
<tr>
<td>Pitcher</td>
<td>Pitcher with lid 2 quart</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Pliers</td>
<td>Pliers slip joint w/vinyl grip 6</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Beads</td>
<td>Pony beads asst colors 1 lb</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Sticky notes</td>
<td>Post it pad yellow 3 x 5</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Rice</td>
<td>Rice 1 lb (approx. 2-1/2 cups).</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Sandstone, red</td>
<td>Rock sandstone spec 2-3cm pk6</td>
<td>NC</td>
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<tr>
<td>Rubber bands</td>
<td>Rubber bands no.33 3.5x1/8x1/32 1oz.</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Metric ruler</td>
<td>Rulerplastmetr &amp; english30 cm;12</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>Kinetic sand</td>
<td>Sand kinetic (2.2lb) 1kg</td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Sand</td>
<td>Sand medium grain 2.5kg (5.5 lbs)</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>Seeds, kidney beans</td>
<td>Seed kidney bean 1 lb shelf life 3 yrs.</td>
<td>C</td>
<td>1</td>
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</table>

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## Hands-On NGSS Kit

### SECOND GRADE (con’t)

<table>
<thead>
<tr>
<th>NAME</th>
<th>DETAILED DESCRIPTION</th>
<th>TYPE</th>
<th>QTY</th>
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<tbody>
<tr>
<td>SEEDS, LIMA BEANS</td>
<td>SEED LIMA BEAN 8OZ PK210</td>
<td>C</td>
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</tr>
<tr>
<td>SEQUINS</td>
<td>SEQUINS CUPPED MULTICOLOR 1 OZ. BAG</td>
<td>C</td>
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<tr>
<td>SEQUINS</td>
<td>SEQUINS CUPPED MULTICOLOR 1 OZ. BAG</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>BAMBOO SKEWERS</td>
<td>SKEWER BAMBOO 250MM PK100</td>
<td>NC</td>
<td>6</td>
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<tr>
<td>SLATE, GRAY</td>
<td>SLATE SPECIMEN 2-3CM PK6</td>
<td>NC</td>
<td>1</td>
</tr>
<tr>
<td>SOIL, CLAY</td>
<td>SOIL CLAY 2.5 KG (12-1/2 CUPS)</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>SOIL, POTTING</td>
<td>SOIL POTTING 4 QUART</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>SOIL, SANDY</td>
<td>SOIL SANDY 2.5KG</td>
<td>C</td>
<td>3</td>
</tr>
<tr>
<td>SPOON, PLASTIC</td>
<td>SPOON PLASTIC PK/24</td>
<td>C</td>
<td>3</td>
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<tr>
<td>SPOON, PLASTIC</td>
<td>SPOON PLASTIC WHITE</td>
<td>C</td>
<td>6</td>
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<tr>
<td>SPRAY BOTTLE</td>
<td>SPRAY TRIGGER BTL 16 OZ</td>
<td>NC</td>
<td>9</td>
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<tr>
<td>STOPWATCH</td>
<td>STOPWATCH ELECTR LED 1/100 SECOND 60 MIN</td>
<td>NC</td>
<td>6</td>
</tr>
<tr>
<td>STRAINERS</td>
<td>STRAINER 6.9 CM</td>
<td>NC</td>
<td>6</td>
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<tr>
<td>LARGE STRAWS</td>
<td>STRAW GIANT RED 10IN PK30</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>PLASTIC STRAWS</td>
<td>STRAW PLASTIC WRAPPED CLR 19.7CM PK50</td>
<td>C</td>
<td>3</td>
</tr>
<tr>
<td>STRING</td>
<td>STRING COTTON 200 FT 4-PLY</td>
<td>C</td>
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<tr>
<td>COTTON SWABS</td>
<td>SWAB APPLICATOR COTTON PK30</td>
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<tr>
<td>SALT SHAKER</td>
<td>TABLE SALT 4OZ SHAKER</td>
<td>C</td>
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</tr>
<tr>
<td>DISPOSABLE TABLECLOTH</td>
<td>TABLECLOTH DISPOSABLE BLUE PLAS 54X108IN</td>
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</tr>
<tr>
<td>MASKING TAPE</td>
<td>TAPE MASKING 3/4IN X 60 YDS</td>
<td>C</td>
<td>12</td>
</tr>
<tr>
<td>MEASURING TAPE</td>
<td>TAPE MEASURE 1.5M MET/ENG PK6 LEADFREE</td>
<td>NC</td>
<td>6</td>
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<td>DISPOSABLE TRAYS</td>
<td>TRAY STYROFOAM WHITE 8X10IN</td>
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<td>WOOD BLOCK POPPLAR 3X1.5X1.5IN PK6</td>
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<td>WOODEN BOARD</td>
<td>WOOD BOARD MASONITE 1/8 X6 X14</td>
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<td>WRENCH</td>
<td>WRENCH ADJ SAE AND METRIC 8 INCH</td>
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<td>YARN</td>
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<td>BALL STEEL 3/8</td>
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<td>BALLOONS</td>
<td>BALLOON ROUND 9 PKG/6 ASSORTED COLORS</td>
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<td>CONTAINERS TO HOLD THE PLANTS</td>
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<td>CORNSTARCH</td>
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<td>ELODEA COUPON</td>
<td>CPN ELODEA DENSA PK/12</td>
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<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
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<td>PEANUTS FOAM PKG/200</td>
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<td>PEPPER COARSE GROUND 2 OZ</td>
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<td>SALT</td>
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<td>SAND</td>
<td>SAND MEDIUM GRAIN 2.5KG (5.5 LBS)</td>
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<td>SANDPAPER</td>
<td>SANDPAPER MEDIUM 9 X 11 SHEET</td>
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<td>SCREW TO BOLT</td>
<td>SCREW ROUNDHEAD STEEL 2.5CM</td>
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<td>SEED LIMA BEAN 2OZ PK60</td>
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<td>SEED RAPID RADISH PK50</td>
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<td>SOIL, POTTING</td>
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<td>STOPWATCH</td>
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<td>STRAINER</td>
<td>STRAINER 6.9 CM</td>
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<td>ELECTRICAL TAPE</td>
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<td>MASKING TAPE</td>
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<td>CARDBOARD PAPER TOWEL TUBE</td>
<td>TUBE CARDBOARD 12X2IN (.060IN WALL)</td>
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<td>WASHER METAL 3/4 ODXS/16 ID PKG/6</td>
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<td>WIND VANE</td>
<td>WEATHER VANE.</td>
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<td>INSULATED COPPER WIRE</td>
<td>WIRE INSULATED COPPER 18G 30M</td>
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<tr>
<td>WIRE STRIPPERS</td>
<td>WIRE STRIPPER/CUTTER PVC HANDLES 4 INCH</td>
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# Hands-On NGSS Kit

## FOURTH GRADE

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<th>Detailed Description</th>
<th>Type</th>
<th>QTY</th>
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<tr>
<td>12 OZ GLASS JARS OR BEAKERS, 2</td>
<td>16OZ. TALL GLASS DISP. JAR W/O CAP. 70MM.</td>
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<td>CLEAR ACETATE SHEET</td>
<td>ACETATE SHEET CLEAR 8 1/2 X 11 INCH EACH</td>
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<td>ANTACID TABLETS</td>
<td>ALKA SELTZER</td>
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<td>PLASTIC ZIPPER BAGS</td>
<td>BAG PLASTIC ZIPLIP 6X8IN 4ML</td>
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<td>GARBAGE BAGS FOR CLEANUP (PER CLASS)</td>
<td>BAG TRASH WHITE PLASTIC 13 GAL</td>
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<td>BALANCE STUDENT W/DOUBLE PAN OHAUS.</td>
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<td>BALL TABLE TENNIS (PING PONG)</td>
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<td>BATTERIES, SIZE D</td>
<td>BATTERY SIZE D CARBON ZINC HVY DUTY PK6</td>
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<td>BLOCK FOAM 2.5 X 2 X8</td>
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<td>WATER DISPENSING BOTTLE, 30 ML</td>
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<td>FROSTED LIGHT BULB</td>
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<td>PULL BACK CAR</td>
<td>CAR PULL BACK 2.5 INCH PLASTIC</td>
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<td>CARDBOARD</td>
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<td>PLASTIC BLOCK</td>
<td>CUBE HOLLOW PLASTIC 2.5 CM</td>
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<td>WOODEN BLOCKS</td>
<td>CUBES WOOD 1 INCH 6 COLORS X 17 EA</td>
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<tr>
<td>DISH SOAP</td>
<td>DETERGENT LEMON JOY 12.6 OZ 375 ML</td>
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<td>BROOM AND DUSTPAN</td>
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<td>FEATHER GOOSE LARGE POINTERS</td>
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<td>FLASHLIGHT</td>
<td>FLASHLIGHT PLASTIC (SIZE D)</td>
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<td>FUNNEL</td>
<td>FUNNEL PLASTIC 67 MM</td>
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<td>FAKE FUR</td>
<td>FUR FAKE 3X3</td>
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<td>GOLF BALL</td>
<td>GOLF BALL RECYCLED</td>
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<tr>
<td>FOUR INSULATED WIRES WITH ALLIGATOR JUMPER LEAD</td>
<td>ALLIGATOR CLIP PK4.</td>
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<td>6-VOLT MINI BULBS, 2</td>
<td>LAMP MINIATURE 14 (2.47V .30A)</td>
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<td>PIECE OF SHINY METAL</td>
<td>LID METAL 75 MM (500 ML CAN)</td>
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<tr>
<td>LIDS FOR CUPS</td>
<td>LID TRANS. W/ SLOT FOR 9OZ CUP L9</td>
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<td>OUTLINE MAP OF THE WORLD</td>
<td>MAP WORLD OUTLINE 8.5IN W X 11IN H</td>
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<td>MARBLES, 5/8 IN</td>
<td>MARBLE 5/8</td>
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<td>MARBLES, 1 IN</td>
<td>MARBLE CLEAR GLASS 1 INCH DIA PK6</td>
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<tr>
<td>PIECE OF MARBLE</td>
<td>MARBLE-WHITE SPECIMEN 2-3CM PK6</td>
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<tr>
<td>SMALL MIRROR</td>
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<td>PEAT</td>
<td>MOSS PEAT 0.3 CU. FT.</td>
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<td>SQUARE OF COTTON MUSLIN, 1</td>
<td>MUSLIN CLOTH 40 X 36</td>
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<td>VEGETABLE OIL</td>
<td>OIL VEGETABLE 16 OZ.</td>
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<td>PAINT STIRRER</td>
<td>PAINT STIR STICK</td>
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<tr>
<td>ALUMINUM FOIL PAN, 13X9X2</td>
<td>PAN ALUMINO FOIL 13 X 9 X 2</td>
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<tr>
<td>ALUMINUM FOIL PAN, 22.5 CM</td>
<td>PAN ALUMINO FOIL 22.5 CM DIAM 9</td>
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<td>PAPER CLIPS, LARGE</td>
<td>PAPER CLIP JUMBO BOX/100</td>
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<tr>
<td>CONSTRUCTION PAPER</td>
<td>PAPER CONSTRUCTION ASST 9X12IN PK50</td>
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<tr>
<td>GRAPH PAPER</td>
<td>PAPER GRAPH 1CM GRID 345GRN 20# WH PAD50</td>
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<td>LITMUS PAPER, 2 STRIPS</td>
<td>PAPER PH BLUE LITMUS TEST PAPER VL100.</td>
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<td>HOLE PUNCH</td>
<td>PAPER PUNCH ONE HOLE 5-SHEET CAPACITY</td>
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<td>PAPERCLIP SIZE 1 PK100</td>
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<tr>
<td>PINWHEEL</td>
<td>PINWHEEL METALIC 4-1/2.</td>
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<tr>
<td>PITCHER</td>
<td>PITCHER WITH LID 2 QUART</td>
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<tr>
<td>REMOVABLE STICKY NOTE FLAGS</td>
<td>POST-IT PAD YELLOW 3X3IN PAD100</td>
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<td>PROTRACTOR</td>
<td>PROTRACTOR PLASTIC 180 DEG 10CM 6 RULER</td>
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<td>LARGE RUBBER BAND</td>
<td>RUBBER BAND #82 1OZ</td>
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<td>THICK RUBBER BANDS, 2</td>
<td>RUBBER BANDS 74 PK32 1/4 LB BX50</td>
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<td>RUBBER BANDS</td>
<td>RUBBER BANDS NO.33 3.5X1/8X1/32 1OZ.</td>
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<td>SHORT RULER</td>
<td>RULER PLASTIC 6 WITH HOLE</td>
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<td>METRIC RULER</td>
<td>RULERPLASTMETR &amp; ENGLISH30 CM;12</td>
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<tr>
<td>SAND, FINE</td>
<td>SAND FINE 2.5 KG (5.5LBS)</td>
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<tr>
<td>SAND</td>
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<td>SOCKET LIGHT MINI W/FAHNSTOCK CLIP PK6</td>
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<td>SOIL, POTTING</td>
<td>SOIL POTTING 4 QUART</td>
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<tr>
<td>MINI SOLAR PANELS WITH ALLIGATOR CLIPS</td>
<td>SOLAR PANEL W POSTS 62X120MM 2V/250MA</td>
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<tr>
<td>SPOON, PLASTIC (PER STUDENT)</td>
<td>SPOON PLASTIC WHITE</td>
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<td>SPRAY BOTTLE</td>
<td>SPRAY TRIGGER BTL 16 OZ</td>
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<td>STOPWATCH</td>
<td>STOPWATCH ELECTR LED 1/100 SECOND 60 MIN</td>
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<tr>
<td>PLASTIC STRAWS</td>
<td>STRAW PLASTIC WRAPPED CLR 19.7CM</td>
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<tr>
<td>STRING</td>
<td>STRING COTTON 200 FT 4-PLY</td>
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<tr>
<td>ELECTR TAPE</td>
<td>TAPE 3M VINYL 2 CM X 20 M</td>
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<td>MASKING TAPE</td>
<td>TAPE MASKING 3/4IN X 60 YDS</td>
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<tr>
<td>MEASURING TAPE</td>
<td>TAPE MEASURE 1.5M MET/ENG PK6 LEADFREE</td>
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<td>TENNIS BALL</td>
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<tr>
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<td>THERMOMETER PLASTIC-BACK</td>
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<tr>
<td>TOOTHPICK</td>
<td>TOOTHPICKS PK1000</td>
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<tr>
<td>TOY TRUCKS</td>
<td>TRUCK MATCHBX TYPE DIE CAST ASST VEH</td>
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<tr>
<td>TOY TRUCKS, PULL BACK</td>
<td>TRUCK PICKUP PULL-BACK W ROOM FOR WGT</td>
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<tr>
<td>CARDBOARD PAPER TOWEL TUBE</td>
<td>TUBE CARDBOARD 12X2IN (.060IN WALL)</td>
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<td>VINYL TUBING</td>
<td>TUBING VINYL 1/2 ID X 1/16 WALL.</td>
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<td>TWIST TIES, 2</td>
<td>TWIST TIES GREEN PAPER COATED 8IN PK100</td>
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<tr>
<td>VINEGAR</td>
<td>VINEGAR 473 ML WHITE 3 S.</td>
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<tr>
<td>WASHERS</td>
<td>WASHER METAL 3/4 OD PK100</td>
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<tr>
<td>WOODEN BOARD</td>
<td>WOOD BOARD MASONITE 1/8 X6 X14</td>
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<tr>
<td>YARN</td>
<td>YARN RED SKEIN ACRYLIC</td>
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## FIFTH GRADE
Hands-On NGSS Kit

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<tr>
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<th>DETAILED DESCRIPTION</th>
<th>TYPE</th>
<th>QTY</th>
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<tbody>
<tr>
<td>PLASTIC ZIPPER BAGS</td>
<td>BAG PLASTIC ZIPLIP 6X8IN 4ML</td>
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<tr>
<td>PLASTIC ZIPPER BAGS</td>
<td>BAG PLASTIC ZIPLIP 6X8IN 4ML</td>
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<tr>
<td>BAKING SODA (SODIUM BICARBONATE)</td>
<td>BAKING SODA 454 G (24 TABLESPOON)</td>
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<tr>
<td>BALANCE, TRIPLE BEAM</td>
<td>BALANCE TRIPLE BEAM VWR TLW-611.</td>
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<tr>
<td>GOLF BALLS</td>
<td>BALL GOLF 1.76INCH DIAMETER(43MM)</td>
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<tr>
<td>BOUNCY BALLS</td>
<td>BALL HI-BOUNCE 1IN PK6</td>
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<td>PING PONG BALLS</td>
<td>BALL TABLE TENNIS PKG/6.</td>
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<tr>
<td>WHIFFLE BALLS</td>
<td>BALL WHIFFLE 2 1/2 ASST COLORS</td>
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<tr>
<td>BALLOONS</td>
<td>BALLOON ROUND 9 PKG/6 ASSORTED COLORS</td>
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<td>BATTERIES, SIZE D</td>
<td>BATTERY SIZE D CARBON ZINC HVY DUTY PK6</td>
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<tr>
<td>BEAKERS, PLASTIC, 250ML</td>
<td>BEAKER POLY DISPOSABLE 250ML</td>
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<tr>
<td>BEAKER, GLASS, 150ML</td>
<td>BEAKER, LOW FORM, 150 ML SNGL SCALE, VWR</td>
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<tr>
<td>PLASTIC BOTTLE, 8 OZ, WITH LID</td>
<td>BOTTLE CLEAR PLASTIC 8 OZ (240 ML)</td>
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<td>BUBBLES</td>
<td>BUBBLES LIQUID W/ STICK 60 ML.</td>
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<tr>
<td>CALCIUM CHLORIDE SOLID, CACL2</td>
<td>CALCIUM CHLORIDE LG 25 G GRANULAR 8 MESH</td>
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<tr>
<td>CAN, METAL</td>
<td>CAN METAL 500 ML W/O LID</td>
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<td>(LID FOR PLASTIC BOTTLE)</td>
<td>CAP SCREW TYPE (FOR 20367-00)</td>
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<td>INDEX CARDS, 3, 4X6 OR LARGER</td>
<td>CARD INDEX BLANK 4X6IN PK100</td>
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<tr>
<td>CARDSTOCK</td>
<td>CARDSTOCK LETTER SIZE SHEET</td>
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<td>CHARCOAL</td>
<td>CHARCOAL LG 500G POWDER ACTIVATED</td>
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<tr>
<td>MODELING CLAY</td>
<td>CLAY MODELING 4OZ EA OF RGBY .5KG (1LB).</td>
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<tr>
<td>MODELING CLAY</td>
<td>CLAY MODELING 4OZ EA OF RGBY .5KG (1LB).</td>
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<tr>
<td>CLOTH, 3 CIRCLES (8 CM, 16 CM, AND 24 C)</td>
<td>CLOTH COTTON WHITE 45IN X 1 YD</td>
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<td>COMPASS</td>
<td>COMPASS MAGNETIC 40 MM DIAMETER.</td>
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<td>PLASTIC CONTAINER, 12 OZ</td>
<td>CONTAINER PLASTIC CLEAR DELI 12OZ</td>
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<tr>
<td>CORNSTARCH</td>
<td>CORNSTARCH 500G (3 1/2 CUPS) 2 S</td>
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<tr>
<td>COTTON BALLS</td>
<td>COTTON BALLS PKG/300</td>
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<tr>
<td>WOODEN BLOCKS</td>
<td>CUBES WOOD 1 INCH 6 COLORS X 17 EA</td>
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<tr>
<td>PAPER CUP, 360 ML</td>
<td>CUP PAPER 360ML</td>
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<tr>
<td>PLASTIC CUP, 9 OZ</td>
<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
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<td>STYROFOAM CUP, 6 OZ</td>
<td>CUP STYROFOAM 6OZ</td>
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<tr>
<td>DISH SOAP</td>
<td>DETERGENT LEMON JOY 12.6 OZ 375 ML</td>
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<tr>
<td>EPSOM SALTS</td>
<td>EPSOM SALT 500G NON-HAZARDOUS</td>
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<td>BIRD FEATHERS, LARGE</td>
<td>FEATHER GOOSE LARGE POINTERS</td>
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<tr>
<td>FLASHLIGHT</td>
<td>FLASHLIGHT PLASTIC (SIZE D)</td>
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<tr>
<td>FLOUR</td>
<td>FLOUR 2 LB (7 CUPS) IN 8 X 10</td>
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<tr>
<td>ALUMINUM FOIL</td>
<td>FOIL ALUMINUM REGULAR 12IN X 25FT ROLL.</td>
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<tr>
<td>FOOD COLORING</td>
<td>FOOD COLORING PK 4/3 OZ BTL-RYBLUG.</td>
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<td>SMALL WEIGHTS</td>
<td>HOOKED WEIGHT 20G</td>
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<td>TINCTURE OF IODINE</td>
<td>IODINE-IODIDE (KI) SOLN 30ML 1.85% IOD</td>
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<td>LABELS</td>
<td>LABELS RECTANGULAR 1/2X1 WHITE SHEET/35</td>
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<tr>
<td>LEMON JUICE</td>
<td>LEMON JUICE 500 ML</td>
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<td>POWDERED LEMONADE</td>
<td>LEMONADE DRINK MIX WITH SUGAR 20OZ</td>
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<td>HAND LENS</td>
<td>LENS HAND 3X/6X DUAL MAGNIFIER PK6</td>
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<td>BAR MAGNETS</td>
<td>MAGNET BAR ALNICO 3IN MARKED POLES PK2</td>
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<td>MARBLE 5/8 PK20</td>
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<td>BLACK PERMANENT MARKER</td>
<td>MARKER BLACK PERMANENT CHISEL TIP</td>
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<td>MARKER CHINA (WAX PENCIL) BLACK</td>
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<td>METER STICK FOLDING METRIC/INCH</td>
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<td>PAPER GRAPH 1CM GRID 345GRN 20# WH PAD50</td>
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<td>PAPER CLIPS</td>
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<td>PLASTIC WRAP</td>
<td>PLASTIC WRAP 12 100’ ROLL..</td>
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<td>PLATES OR SAUCERS</td>
<td>PLATE CLEAR PLASTIC 10 INCH</td>
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<td>SMALL POMPOMS, ABOUT 40*</td>
<td>POM POM 1N ASSORTED COLORS PK40</td>
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<td>BEADS</td>
<td>PONY BEADS ASST COLORS 1 LB</td>
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<tr>
<td>PROTRACTOR</td>
<td>PROTRACTOR PLASTIC 180 DEG 10CM 6 RULER</td>
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<tr>
<td>RUBBER BANDS</td>
<td>RUBBER BANDS NO.33 3.5X1/8X1/32 10Z.</td>
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<td>SAND MEDIUM GRAIN 2.5KG (5.5 LBS)</td>
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<td>VINEGAR</td>
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NC: Non Consumable  
C: Consumable
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<td>22 GLASS COVERSLIPS- 1 THICKNESS 1OZ.PK</td>
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<td>AMOEBA SP. COUPON (OPTIONAL)</td>
<td>CPN AMOEBA PROTEUS (30)</td>
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<td>ELODEA COUPON</td>
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<td>CLEAR TERRARIUM LIDS</td>
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<td>PIPE CLEANERS</td>
<td>PIPE CLEANERS ASST CHENILSTEM 12IN PK100</td>
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<td>PLATE PAPER WHITE 9 INCH DIA</td>
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<td>STICKY NOTES</td>
<td>POST IT PAD YELLOW 3 X 5</td>
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<td>METRIC RULER</td>
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<td>SEED PINTO BEAN 1LB (1100 SEEDS).</td>
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<td>SEED WAX (BLACK) BEAN 450G</td>
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<td>MICROSCOPE SLIDES</td>
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<tr>
<td>TWO-HOLE CORK FOR FLASK OR BEAKER</td>
<td>STOPPER RUBBER SIZE 6.5 2HOLE 1LB (454G)</td>
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<td>DRY ACTIVE YEAST</td>
<td>YEAST ACTIVE DRY 7 G (1 PACKET)</td>
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### SEVENTH GRADE

**Hands-On NGSS Kit**

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<td>BUCKET LID</td>
<td>8 LOCK LID 1 GALLON RED</td>
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<td>ALKA SELTZER</td>
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<td>AMMONIUM CHLORIDE SOLID, NH4CL</td>
<td>AMMONIUM CHLORIDE LG 500G</td>
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<td>PLASTIC ZIPPER BAGS</td>
<td>BAG PLASTIC ZIPPLIP 6X8IN 4ML</td>
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<td>PLASTIC ZIPPER BAGS</td>
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<td>BAKING SODA (SODIUM BICARBONATE)</td>
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<td>BALLOON ROUND 5IN PK35</td>
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<td>BALLOONS</td>
<td>BALLOON ROUND 9 PKG/6 ASSORTED COLORS</td>
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<td>CALCIUM CHLORIDE LG 25 G GRANULAR 8 MESH</td>
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<td>CORNSTARCH</td>
<td>CORNSTARCH 500G (3 1/2 CUPS) 2 S</td>
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<td>CUP PLASTIC CLEAR SQUAT 9OZ</td>
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<td>JAR PLASTIC W/ LID 32OZ</td>
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## SAFETY KITS

### Hands-On NGSS Kit

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<td>GLOVE POLYETHYLENE DISPOSABLE 50 PAIR*</td>
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<tr>
<th>DESCRIPTION - MIDDLE SCHOOL</th>
<th>QTY</th>
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<tbody>
<tr>
<td>GLOVE TERRYCLOTH HOT PAIR</td>
<td>1</td>
</tr>
<tr>
<td>GLOVES NITRILE MED POWDER FREE PK100 *</td>
<td>4</td>
</tr>
<tr>
<td>GOGGLES SAFETY INDIRECT VENT UNCOAT</td>
<td>30</td>
</tr>
<tr>
<td>APRON DISPOSABLE PLASTIC PK100 *</td>
<td>3</td>
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</tbody>
</table>

* Consumable

## LABWARE KITS

### Hands-On NGSS Kit

<table>
<thead>
<tr>
<th>DESCRIPTION - LAB GRADE 6</th>
<th>QTY</th>
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<tbody>
<tr>
<td>BEAKER, LOW FORM, 250 ML DBL SCALE, VWR</td>
<td>118</td>
</tr>
<tr>
<td>BEAKER, LOW FORM, 600 ML DBL SCALE, VWR</td>
<td>12</td>
</tr>
<tr>
<td>BULB FROSTED STANDRD INCANDSCNT 100W</td>
<td>6</td>
</tr>
<tr>
<td>CLAMP ON LIGHT W/SHADE 150 WATT MAX</td>
<td>6</td>
</tr>
<tr>
<td>FLASK, ERLENMEYER, 250 ML VWR</td>
<td>6</td>
</tr>
<tr>
<td>POCKET SCALE 10.5OZ CAP. X .01G</td>
<td>6</td>
</tr>
<tr>
<td>STOPWATCH ELECTR LED 1/100 SECOND 60 MIN</td>
<td>6</td>
</tr>
<tr>
<td>SUPPORT STAND W/ROD &amp; RING 10 CM X 15 CM</td>
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</tr>
<tr>
<td>THERMOMETER -20C TO 110C</td>
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<tr>
<td>THERMOMETER CLAMP</td>
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<tbody>
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<td>BEAKER, LOW FORM, 250 ML DBL SCALE, VWR</td>
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<tr>
<td>BEAKER, LOW FORM, 50 ML DBL SCALE</td>
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<tr>
<td>BEAKER, LOW FORM, 600 ML DBL SCALE, VWR</td>
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<tr>
<td>BULB CFL MEDIUM BASE 23W 2700K</td>
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<tr>
<td>CLAMP ON LIGHT W/SHADE 150 WATT MAX</td>
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</tr>
<tr>
<td>CYLINDER GRADUATED PP SGL SCL 50X1 ML</td>
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<tr>
<td>FLASK, ERLENMEYER, 250 ML VWR</td>
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<tr>
<td>GRADUATED PMP CYLINDER 10ML.</td>
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<tr>
<td>METER STICK FOLDING METRIC/INCH</td>
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<tr>
<td>POCKET SCALE 10.5OZ CAP. X .01G</td>
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</tr>
<tr>
<td>RING SUPPORT W/ CLAMP 6.5 CM ID 8 CM OD</td>
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<tr>
<td>STAND &amp; ROD 4X6 W/24 ROD.</td>
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<tr>
<td>STOPWATCH ELECTR LED 1/100 SECOND 60 MIN</td>
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<tr>
<td>THERMOMETER -20C TO 110C</td>
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<thead>
<tr>
<th>DESCRIPTION - LAB GRADE 8</th>
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<tbody>
<tr>
<td>BULB FROSTED STANDRD INCANDSCNT 100W</td>
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<tr>
<td>CYLINDER GRADUATED PP SNGL SCALE250X2ML</td>
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<tr>
<td>LIGHT SOCKET PORCELAIN W/CORD 100W CAP.</td>
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<td>METER STICK FOLDING METRIC/INCH</td>
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</tr>
<tr>
<td>TAPE MEASURE 1.5M MET/ENG PK6 LEADFREE</td>
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<td>THERMOMETER -20C TO 110C</td>
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