FOSS IDEAS AND INVENTIONS MODULE

Quantities for Multiple-Class Use

ADDITIONAL MATERIALS

There are enough consumable materials in the Ideas and Inventions kit for use with TWO classes of UP TO 32 students on the same day. To insure that each class has the same experiences, you may need to purchase the additional materials in the quantities listed in the table below.

ORDERING INFORMATION

The suggested materials can be ordered from Delta Education.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Delta Part #</th>
<th>Quantity in package</th>
<th>2 classes</th>
<th>3 classes</th>
<th>4 classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tape, transparent, in dispenser, 650&quot;/roll *</td>
<td>200-4640</td>
<td>1 roll</td>
<td>0</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Index cards, 100/pkg *</td>
<td>030-2433</td>
<td>1 pkg</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Labels, sticky notes, small, 100/pad *</td>
<td>120-2475</td>
<td>1 pkg</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

* Consumable materials

TEACHER-SUPPLIED ITEMS

- Clay
- Crayons
- Sets of leaves
- Scraps of colored paper
- Colored pencils
- Pennies
- Pens, watercolor, black, blue, and red
- Plastic bags
- Chalk
- Set of leaves (optional)
- #2 pencils
- Scratch paper
- Scissors
- Slide projector (optional)
- Aluminum foil (optional)
- Facial tissue
- Newspaper
- Paper towels, for spills
- Paper towels, various brands for testing
- Scraps of cardboard
- Permanent marking pens
- Masking tape
- Overhead transparencies
- Chart paper

OTHER THINGS TO CONSIDER

- Duplicate student sheets
**FOSS MODELS AND DESIGNS MODULE**

**Quantities for Multiple-Class Use**

### ADDITIONAL MATERIALS

There are enough consumable materials in the *Models and Designs* kit for use with TWO classes of UP TO 32 students on the same day. To insure that each class has the same experiences, you may need to purchase the additional materials in the quantities listed in the table below.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Delta Part #</th>
<th>Quantity in package</th>
<th>2 classes</th>
<th>3 classes</th>
<th>4 classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bell, small</td>
<td>021-1364</td>
<td>1</td>
<td>9</td>
<td>18</td>
<td>27</td>
</tr>
<tr>
<td>Binder clips, small, 3/8&quot; capacity</td>
<td>031-2620</td>
<td>4</td>
<td>36</td>
<td>72</td>
<td>108</td>
</tr>
<tr>
<td>Cell holder, FOSS™</td>
<td>020-9141</td>
<td>1</td>
<td>9</td>
<td>18</td>
<td>27</td>
</tr>
<tr>
<td>Clothespins, wooden</td>
<td>030-5447</td>
<td>12</td>
<td>36</td>
<td>72</td>
<td>108</td>
</tr>
<tr>
<td>Construction board base, plastic</td>
<td>032-3333</td>
<td>1</td>
<td>9</td>
<td>18</td>
<td>27</td>
</tr>
<tr>
<td>Construction board, plywood with holes</td>
<td>032-3344</td>
<td>1</td>
<td>9</td>
<td>18</td>
<td>27</td>
</tr>
<tr>
<td>D-cells</td>
<td>0209-9152</td>
<td>1</td>
<td>9</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Hubs, wooden with hole, 1-3/4&quot; diam., 5/8&quot; thick</td>
<td>230-2409</td>
<td>1</td>
<td>72</td>
<td>144</td>
<td>216</td>
</tr>
<tr>
<td>Motor, electric, with leads, stranded wire #20</td>
<td>130-3554</td>
<td>1</td>
<td>10</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Paper clips, large</td>
<td>160-0390</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>Paper fasteners, #4, 1&quot;</td>
<td>160-0422</td>
<td>100</td>
<td>0</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>Rubber bands, #16*</td>
<td>180-7520</td>
<td>300</td>
<td>300</td>
<td>80</td>
<td>120</td>
</tr>
<tr>
<td>Sticks, long, 18 cm (7&quot;), 1/4&quot; diam.</td>
<td>192-3734</td>
<td>40</td>
<td>40</td>
<td>80</td>
<td>120</td>
</tr>
<tr>
<td>Sticks, medium, 10 cm (4&quot;), 1/4&quot; diam.</td>
<td>192-3723</td>
<td>40</td>
<td>40</td>
<td>80</td>
<td>120</td>
</tr>
<tr>
<td>Sticks, short, 6 cm (2.5&quot;), 1/4&quot; diam.</td>
<td>192-3646</td>
<td>40</td>
<td>40</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>String, 30 m/ball*</td>
<td>191-1469</td>
<td>1 ball</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Tape, masking, 180'/roll*</td>
<td>200-0371</td>
<td>1 roll</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Wire, #22, solid, uninsulated, 13m/roll (44')*</td>
<td>230-0759</td>
<td>1 roll</td>
<td>0</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Zip bags, 4-liter (1-gal.)</td>
<td>021-1331</td>
<td>20</td>
<td>0</td>
<td>18</td>
<td>27</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

The suggested materials can be ordered from Delta Education.
FOSS Models and Designs continued

### TEACHER-SUPPLIED ITEMS

- Scratch paper
- D-cells
- Large paper bag
- Pair of pliers
- Cardboard
- Scissors, large
- Scissors, small
- Stapler
- Permanent marking pens
- Chart paper
- Large book or box
- Transparencies (optional)
- Overhead projector (opt.)
- Push pins (for assessment)
- Glue (for assessment)

### OTHER THINGS TO CONSIDER

- Duplicate student sheets.
- If you allow each class to keep the construction materials from day to day for re-use, then you will need a set for each class as indicated on this sheet.
**ADDITIONAL MATERIALS**

There are enough consumable materials in the **Variables** kit for use with TWO classes of UP TO 32 students on the same day. To insure that each class has the same experiences, you may need to purchase the additional materials in the quantities listed in the table below.

**ORDERING INFORMATION**

The suggested materials can be ordered from Delta Education.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Delta Part #</th>
<th>Quantity in package</th>
<th>2 classes</th>
<th>3 classes</th>
<th>4 classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum foil, 7.5 m/roll (25&quot;)*</td>
<td>010-1397</td>
<td>1 roll</td>
<td>0</td>
<td>1 roll</td>
<td>1 roll</td>
</tr>
<tr>
<td>Cups, paper hot cups, 210-ml (7-oz.)*</td>
<td>030-8021</td>
<td>50</td>
<td>0</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Rubber bands, #33*</td>
<td>180-7541</td>
<td>50</td>
<td>0</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>Stick pieces, craft, 2 cm*</td>
<td>191-1128</td>
<td>100</td>
<td>0</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Sticks, craft*</td>
<td>190-5914</td>
<td>50</td>
<td>0</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Straws, jumbo*</td>
<td>190-6497</td>
<td>50</td>
<td>0</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>String, 30 m/ball*</td>
<td>191-1469</td>
<td>1 ball</td>
<td>0</td>
<td>1</td>
<td>2 balls</td>
</tr>
<tr>
<td>Zip bags, 1-liter (1-qt.)</td>
<td>021-1353</td>
<td>25</td>
<td>0</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

* Consumable items
### TEACHER-SUPPLIED ITEMS

- Cardboard strip
- Masking tape
- Pencils
- Pennies
- Scissors
- Watch with second hand
- Marking pens, permanent
- Paper towels
- Books
- Rubber bands of various sizes
- Staplers
- Calculators (optional)
- White glue
- Notebook paper
- Rulers
- Scrap paper
- Overhead-transparency pen (optional)
- Transparencies (optional)
- Overhead projector (optional)

### OTHER THINGS TO CONSIDER

- Duplicate student sheets.
- Propellers and hooks are removed from the plane body after each class. So only one class set of propellers and hooks is needed. Each team stores their FOSS plane body in a zip bag for the next day.