## Materials List

<table>
<thead>
<tr>
<th>Provided in kit:</th>
<th>Collected by teacher:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Pour Spouts</td>
<td>Introductory:</td>
</tr>
<tr>
<td>12 Corks</td>
<td>1 - 250 ml container</td>
</tr>
<tr>
<td>5 Plastic T Joints</td>
<td>Red &amp; green food coloring</td>
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<tr>
<td>5 Flow Meters</td>
<td><strong>Activity 1A:</strong></td>
</tr>
<tr>
<td>1 Dynamo</td>
<td>Masking or duct tape</td>
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<tr>
<td>Flashlight</td>
<td>Liquid measuring device</td>
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<tr>
<td>1 Tubing (4.6 m)</td>
<td>Scale or balance</td>
</tr>
<tr>
<td>1 Teacher Guide</td>
<td>1/2 pint milk cartons</td>
</tr>
<tr>
<td>1 Video</td>
<td>Permanent markers</td>
</tr>
<tr>
<td>2 Gallon Cans</td>
<td>Ziplock freezer bags</td>
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</tbody>
</table>

The following items are pre-assembled for Introductory Exercise:

- 1 Plastic Funnel
- 1 3/16" Tubing
- 2 Rubber Stoppers
- 3 Pieces Glass Tubing

- Large plastic garbage bags
- Straws
- Cup or beaker
- Meter stick
- Newspapers

**Activity 2B:**
- Scotch/duct tape
- 2 liter pop bottles
- Push pins
- Toothpicks (optional)
- Meter stick

**Activity 2C:**
- 2 liter pop bottles
- Watch w/ second hand
- Permanent marker
- Meter stick

**Activity 3A:**
- Coat hanger/knitting needle/dowel
- Utility knife
- Hole punch
- String
- Object to lift (weights, fish sinker, washer, penny, piece of wood, film canister)
- Tape or thumb tacks
- Scissors

**Activity 3B:**
- Scissors

**Activity 3C:**
- Graduated cylinder (100ml)
- 2 liter pop bottles
- Clear plastic cup
- Utility knife
- Permanent marker
- Plastic grocery bag
- Funnel
- Die (or other tool to randomly pick number between one and six)
- Stopwatch, or clock with second hand
- Scissors

**Activity 4A:**
- Microscope or hand lens
- Microscope slide
- Eye dropper
- Clear plastic cup or jar