Stomp Rocket Launcher
Assembly Instructions

<table>
<thead>
<tr>
<th>1 - 1/2” (PVC)</th>
<th>2 - 1/2” 45° Elbow (PVC)</th>
<th>2 - 1/2” Tee (PVC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 feet long (to be cut into smaller pieces) Hardware store or plumbing supply</td>
<td>Slip* Hardware store or plumbing supply</td>
<td>Slip* Hardware store or plumbing supply</td>
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2 - 1/2” Caps (PVC)  Slip* Hardware store or plumbing supply

Duct Tape Hardware store

* Slip connectors have no threads

Procedure
1. Cut the PVC pipe into the following lengths:
   - #3 - 50 cm
   - #5 - 18 cm
   - #7 - 4 cm
   - #9 - 4 cm
   - #11 - 25 cm
   - #12 - 20 cm
   - #14 - 25 cm

2. Insert the end of pipe #3 into the neck of the bottle and tape it securely with duct tape.
3. Follow the construction diagram below for assembly of the launcher. Match the pipe lengths with the parts numbers.
4. Swing the two legs outward or inward until each touches the ground to form the tripod. The launcher is ready for use.

The part numbers indicate where each piece is placed in the assembled launcher diagram below.

Part numbers for the assembled launcher

For the full Stomp Rocket activity visit: www.jpl.nasa.gov/edu/teach/activity/stomp-rockets