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| **Stem** Challenge | Unit |
| Pop Rockets | * Mini M&M tubes (empty with the labels removed and the tab that holds the top on completely cut off)
* Antacid tablet
* Cardboard – cereal boxes work great Used to make the mini cones for the top of the rocket (can be made ahead)
* Heavy duty aluminum foil
* Decorations (asst. stickers) optional
* Tape – decorative colors (optional)
* Painters tape
* Clay – small ball –to put under the lid the hold the tablet in place
* 1 teaspoon of water)

s NestArtifact sifterChallengers |
| Lunar Landers | * 1 piece of stiff paper or cardboard (approximately) 4x5in./10x13 cm.
* 3 index cards (3x5)
* 1 small paper or plastic 3 oz. cup
* 10 miniature marshmallows
* 2 large marshmallows
* 8 plastic straws
* 3 rubber bands
* Tape
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| Free Standing Tree | * 1 brown lunch bag
* felt (pink, white, light blue)
* asst. construction paper
* 10 centimeters of tape
* yarn (brown and green)
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| **Keep a Cube** | * ice cubes
* cardboard boxes
* wax paper
* masking tape
* newspaper
* aluminum foil
* rubber bands
* paper plates
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| Marble Challenge | * Newspaper
* Toilet paper
* Construction paper 1 new
* Paper in the scrap box
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| Operation Top Secret Message | * paper
* paper clips
* rubber bands
* string
* masking tape
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| Tissue Paper Collage | * Transparent paper
* Tissue paper (assorted colors)
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| Growing Plants | * construction paper
* 1 craft stick
* 20 cm. of yarn
* 20 cm. of tape
* 2 brads
* 1 index card
* 2 rubber bands
* 1 pipe cleaner
* 1 toilet paper roll
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