|  |  |  |
| --- | --- | --- |
| Month | **Stem** Challenge | Unit |
| August | Pop RocketsPlaydough to plato.com | * Mini M&M tubes (empty with the labels removed and the tab that holds the top on completely cut off.)
* Antacid tablets
* Cardboard – cereal boxes work great Used to make the mini cones for the tope of the rockets. (can be made ahead)
* Heavy duty aluminum foil
* Decorations (asst. stickers)
* Washi tape – decorative colors
* Painters tape
* Clay – small ball each –to put under the lid the hold the tablet in place.

Water bottle (each student will need to measure 1 teaspoon of water) s NestArtifact sifterChallengers |
| September | 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
 |
| October | **Seasons Free** Standing Tree4 groups | * 12x12 piece of brown bulletin board paper (some students may be able to measure this themselves) or brown lunch bags.
* felt (pink, white, light blue)
* construction paper (use scraps from scrap box when possible)
* 10 centimeters of tape
* yarn (brown and green)
 |
| November | **Keep a Cube****Zoom** | * 20 ice cubes
* 10+ cardboard boxes
* wax paper
* masking tape
* newspaper
* aluminum foil
* rubber bands
* paper plates
 |
| January | Marble Challenge | * Newspaper
* Toilet paper
* Construction paper 1 new
* Paper in the scrap box
 |
| February | Operation Top Secret Message | * **10 pieces of paper**
* **10 paper clips**
* **10 rubber bands**
* **20 feet of string**
* **3 feet of masking tape**
 |
| March | Life Cycle Tissue Paper Collage | * **Transparency paper – left over overhead paper**
* **Tissue paper (assorted colors)**
 |
| April | Growing Plants | * 1 new piece of construction paper (each group should have a different color)
* 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
 |