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| Month | **Stem** Challenge | Unit |
| August | **Tin Foil People** Glue on paper to make shadows/flat legs | * 80 heavy duty tin foil 6x6 squares
* 20 pieces of different colored tag board 6X6.

s NestArtifact sifterChallengers |
| September | Musical Instrument Build out of recycled Materials | Recycled materials such as:* toilet paper roles paper towel roles
* soda bottles
* aluminum cans
* soup cans
* glass bottles
* cardboard, plastic items any others you can find
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| October | Paper Plate Magnet Maze | * Things that are round - paper plates – different sizes – cardboard that could be cut into circles. Give students choices to select from.
* Templates/some students may be able to design a maze without a template.
* Magnets 2 each
* Cardstock
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| November | Changing Seasons Paper Dolls | * Cardboard
* Cardstock
* Construction paper 1 new
* Paper in the scrap box
* Pipe cleaners
* Craft sticks
* Twist ties
* Rubber bands
* Ribbon
* 2 paper fasteners
* Fabric scraps
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| January | Build a Snowman | * newspaper
* toilet paper
* construction paper 1 new
* paper in the scrap box
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| February | Traveling Pets | * Cardboard
* Poster board
* Boxes
* Glue and/or glue sticks
* Pom-poms
* Toilet paper and toilet paper rolls
* Rubber bands
* Brads
* Tape
* Craft sticks
* Yarn
* Beads
* Ribbon
* Pipe cleaners
* Anything in the scrap box
* Construction paper
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| March | Butterflies are Free | * 20 pieces’ blue construction paper
* ribbon
* Glue and/or glue sticks
* Pom-poms
* pipe cleaners
* anything from the scrap box
* brads (only to make something move or to connect parts)
* 20 toilet paper roles
* googly eyes
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| April | Grass HeadRecyclable Materials | * **Old nylon stockings** or pantyhose. Knee highs and pop socks, work great. You can also use regular old socks, but the grass sometimes has trouble poking through.
* **Grass seeds**. I bought a small "lawn repair kit" which has seeds pre-mixed with slow release fertilizer, but you can use whatever seeds you've got handy. I hear that chives, rye or alfalfa seeds also work well.
* **Sawdust or potting mix** for stuffing. Or just some soil from your garden. I got a bag of sawdust for free from a big hardware store - they seemed happy to get rid of it!
* **Small yoghurt pot**.
* **Decorations**. Goggly eyes and fabric scraps for the heads, colored paper for the bodies, pipe-cleaners for spectacles... get creative :-)
* **Water-proof glue**. For sticking on the eyes, lips, etc. I used hot glue, but you can use any sort of glue so long as it won't dissolve in water.
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