Did you know?

*Paper Engineering* is the science behind paper products. One of the cool things that a Paper Engineer can do is to find ways of creating new things with paper—by folding, cutting, and shaping paper to create fun items like greeting cards and pop-up books. They use flaps, pull-tabs, and wheels to create parts that can stand up or move. Paper Engineers use the engineering design process to create their inventions. First, they come up with an idea for their design. Next, they build a sample, called a prototype. When the prototype has been built, they look at their design and try to think of ways to make it better!

**What you need:**
- Colored Paper or Cardstock
- Scissors
- Glue
- Markers
- Stickers, Glitter, or Art Supplies
- Envelopes and Stamps

**Steps:**
1. Follow the tutorial on the next page to create a simple pop-up card!
2. Now that you have the hang of it, what can you create? What other ways can you think of to make something “pop up?” Design a card that uses a different pop-up technique.
3. Did your idea work? Can you think of any things you can change to make it better?
4. Send out your cards! Who do you think would love to hear from you? You can send them to friends from school, family members, or your scout troop!

**Take Action!**

Remember: there are lots of people who can’t have any visitors right now. Is there a local nursing home or a hospital where you can send a card to a patient?
**Simple Pop Up Card**

1. Fold a piece of paper in half and draw 3 sets of lines on the folded part.
2. Cut along the lines, flip the card, and poke the flaps out.
3. Cut out your pop-up shapes!
4. Glue them on the rectangles.
5. Glue your card to another piece of paper for backing.
6. An accordion fold is another way to make things pop!

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Don’t forget to take pictures! Use the hashtag #GSCBathome to share your work!