

April 16 Technology Day - Email Attachment for Parents

STEAM Paper Column Challenge

How strong is a piece of paper? Which column shape is the strongest?

Please take the **STEAM Paper Column Challenge** from the site below to discover answers.

<https://creeksidelearning.com/stem-activities-for-kids-how-strong-is-a-piece-of-paper/>

Gr. 2 Directions = How strong is a piece of paper? Which column shape is the strongest?

1. Open your email and click on the blue link to the **STEAM Paper Column Challenge**.
<https://creeksidelearning.com/stem-activities-for-kids-how-strong-is-a-piece-of-paper/>
2. Watch the video and read the directions. (You can use any kind of paper as long as the 3 pieces are the same size like copy paper or construction paper and tape)
3. Take pictures as you do the challenge. The photos will serve as your journal.
4. Email your photos to Mrs. Mathews.
Include a typed message in the email to let her know:
 - Which column shape did you predict would be the strongest?
 - Which column shape really was the strongest?
 - Why was it the strongest?

Gr. 3 and 4 Directions = How strong is a piece of paper? Which column shape is the strongest?

Open Google Classroom. Click on Classwork and find the April 16 Technology Day **STEAM Paper Column Challenge**.

1. Read the questions in the **STEAM Paper Column Challenge** document. **Predict which column shape will be the strongest.** Answer the questions in the document after you finish the challenge.
2. Take pictures as you complete the challenge and insert them into the document. If you have trouble inserting them into the document, email them directly to me.
3. Turn in the document through Google Classroom for credit.

Or

If you can't access Google Classroom, have your parents email me. Meanwhile, follow these directions:

1. Click on the blue link below to the **STEAM Paper Column Challenge**.
<https://creeksidelearning.com/stem-activities-for-kids-how-strong-is-a-piece-of-paper/>
2. Watch the video and read the directions. (You can use any kind of paper as long as the 3 pieces are the same kind and size like copy paper or construction paper and tape.)
3. Take photos as you complete the challenge.
5. Email your photos to Mrs. Mathews. Include the answers to these questions with your photos.
 - a. **Which column shape did you predict would be the strongest?**
 - b. What are your results? (How many books for each shape?)
 - c. Which column shape was the strongest?
 - d. Explain why it was the strongest.
 - e. How has that information been used in constructing things?
 - f. How would you use the results in the future?