

Graysville Elementary School - Title I presents:

Family S.T.E.M. Challenge at Home March 23 - 27, 2020

Challenge 5 - Plastic Bag Jump Rope Challenge



Materials Needed:

- 5 or more plastic grocery bags
- Duct tape

Instructions:

1. Brainstorm ideas on how to transform the plastic bag into a rope that everyone can use. There are many different methods!
2. Use the plastic bags to make your rope
3. Wrap the ends in duct tape
4. Have everyone attempt to use the rope
5. Think of other ways you can use plastic bags to reduce pollution
6. Record your finding in this [Google Form](#) (click the link).
7. What changes could you make to your rope to make it better? For example:
 - a. A different tying method?
 - b. More bags/less bags?
8. Take a photo of your student with their rope and send it to mwatson.ges@catoosa.k12.ga.us

S.T.E.M. Take Away

The plastic bag jump rope challenge illustrates that items can be repurposed and recycled into something new. It also demonstrates that there can be many different ways to solve the same problem.

Standards Applied:

- **K-2nd:** MGSEK.MD.3. Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. (Example: how many bags did you use? How many pieces of tape? Which did you use more of?)
- **3rd-5th:** S3L2. Obtain, evaluate, and communicate information about the effects of pollution (air, land, and water) and humans on the environment. .