

STEM

Activity Guide Paper Chain Challenge

Background:

Using math, can you take one piece of paper to make a paperchain as long as possible? How long do you think you could make it go?

Materials Needed:

- One piece of 8.5X11 paper
- Scissors
- Tape
- Measuring stick

Rules/Pre-Start Guidelines:

You can only use one sheet of paper, so take your time and plan your paper chain carefully. And remember, if you need help using scissors, please make sure you have an adult present.

Instructions:

1. Using only one sheet of paper, cut apart the paper into strips
2. Form a ring with each strip, looping in the rings to each other to form a paper chain
3. Measure how long your paper chain is once all strips of paper are used

Challenge: How to Take this to the next level:

Think of another way you could make the chain even longer without adding more paper! Take another piece of paper and see if you can beat your first record!