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## Paper Chain Challenge

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## Designing a Paper Chain: Activity Plan

### Objective:

- Work collaboratively to design the longest paper chain they can with a partner. Using only the provided supplies students will decide how the paper needs to be cut and linked to provide the longest chain.

### Tools/supplies needed:

- 1 piece of construction paper
- 1 pair of scissors
- 1 ruler
- 1 strip of masking tape measuring 12 inches long
- Glue stick

### Key vocabulary (age-dependent):

- Design
- Engineer
- Collaboration

### Methodology (how):

- Give each group the materials listed above. Allow students approximately 10 minutes to plan their design individually and as a team. Use the included planning page.
- Students will have 30 minutes to make the longest paper chain possible using only the materials provided.
- At the end of the 30 minute time limit, two students from each group come to the front of the classroom to have their chain measured. One student will hold each end of the chain while the teacher measures.

### Assessment/Reviews:

- The girls worked well in pairs and were very focused on the task. They spent time planning prior to constructing. The planning and reflecting sheets were very helpful.

### Related links:

- <https://www.teacherspayteachers.com/FreeDownload/FREE-STEM-Activity-Paper-Chain-STEM-Challenge-2749232>