

**Grade Level:** K - 1

**Curriculum:** Explorations, ADST

**Title of Lesson:** Repurpose Challenge

**Learning Goals/Objectives:**

- Technologies are tools that extend human capabilities.
- Designs grow out of natural curiosity.

**Materials Needed:**

- Recycled materials from around the house
- A paperclip

**Activity Instructions: (Step by Step)**

- Repurposing is when we take an object normally used for one thing, and use it to do a different task.
  - For example, we normally use a paperclip to hold pieces of paper together. It works pretty well!
    - If we get a bit creative we can think of many other uses for the paperclip!
      - A hook, a necklace (made from many paperclips), game pieces, pull hair out of a hairbrush, unclog salt or pepper shakers, clean under your fingernails (carefully!), open an envelope, make a bookmark, fix a zipper.... How many things did we list? Do you think we could add some more?!
      - Can you think of 3 things you could use a paperclip for?
    - Look at the items that normally get thrown out or recycled at your home. Choose the one you find the most interesting. Can you make a list of things that you could use the item for? Try to make your list longer than my paperclip list!