Tiny Homes, Big Impact 7-8

As a part of this EARTH DAY challenge, we encourage students to get creative and use what’s already available at home. In the spirit of REDUCE, REUSE, and RECYCLE, we do not want families to PURCHASE supplies just for this activity.

**Project Equipment** *(tools used throughout event/common household items)*

**REQUIRED:**
- 1 Pair of Scissors (daily use)
- 1 box cutter (adult help recommended - to cut any cardboard)
- 1 Strong adhesive tape - (e.g. duct tape, packing tape, etc.)
- 1-2 other adhesive tapes - (any two types, e.g. masking tape, scotch tape, electric tape, painter’s tape, etc.)
- 1 marker, black (permanent preferred, washable may suffice)
- 1 pencil with eraser, sharpened
- 1 notebook (can be partial) (possible substitutions: copy paper, loose leaf paper, scrap paper, etc.)
- 1 ruler, 12” (Possible substitutes: fabric measuring tape, or you can print one [here](#))
- 1 calculator

Optional Equipment - can make-do without
- Hot glue gun with glue sticks

**Activity Supplies** *(things that could be used-up or incorporated into a project)*

**REQUIRED:**
- 1 shoebox (approximately 8” x 5” x 15”, +/- a few inches)
- 3-5 sheets graph paper (can print template [here](#))
- Construction Paper, variety colors
- 20 craft sticks, wooden, plain, standard size - aka popsicle sticks *(possible substitutes: wooden coffee stirrers, paper straws, cardboard scraps, index cards)*
- 20 jumbo craft sticks, plain or colored *(possible substitutes: paper straws, cardboard scraps, index cards)*
- 2 sheets Aluminum foil (~10-12”)
- recycled items, variety types/sizes (ex: food boxes, plastic bottles, plastic bottle caps, magazines/newspapers, etc.)

**OPTIONS FOR DESIGN ASPECTS** *(only acquire what you have or would like to use):*

- Decorating Ideas:
  - various craft supplies such as pipe-cleaners, craft poms, buttons, beads, etc.
  - various nonperishable food items, such as lentils, pasta/noodles, dried beans/peas, etc. *(think door knobs, curtain rods, and other details)*
  - coloring supplies such as markers, crayons, colored pencils, paint, etc.
  - various patterns of scrapbook paper
  - stuff you might otherwise throw out or recycle (such as Paper Towel & Toilet Paper Tubes., Styrofoam scraps, empty food containers, etc.)
  - anything laying around the house that can be used in your tiny house (ex: old fabrics for rugs, curtains, artificial plants, Legos, doll-house furniture, etc.)

**Additional Ideas:**
- large scrap of cardboard (bigger than shoebox) to fix shoebox/tiny house on to in order to incorporate external features into projects (such as a yard, garden, rain barrel, etc.)
- anything else you can think of - GET CREATIVE!