

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!