

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 this, please REDUCE, REUSE, and RECYCLE! We do not want families to PURCHASE supplies just for this activity. However, here is an [amazon list of example materials](#), to help you gather your supplies.

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

REQUIRED:

- 1 pair of scissors
- 1 box cutter (adult help recommended - to cut cardboard)
- 1 strong adhesive tape - (e.g. duct tape, packing tape, etc.)
- 1 double-sided tape (possible substitute: glue stick)
- 1-2 other adhesive tapes - (any two types, e.g., masking tape, scotch tape, electric tape, painter's tape, decorative washi tape, etc.)
- 1 marker, black or blue, fine tip (permanent preferred, washable may suffice)
- 2-3 pencils with eraser, sharpened (one pencil will suffice if you have a sharpener)
- 1 block eraser ([example](#))
- 1 notebook (possible substitutions: copy paper, loose leaf, scrap paper, etc.)
- 1 ruler, 12" (possible substitutes: fabric measuring tape, or 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)
- 2-3 floor plans for a tiny home (pics or websites saved/ready for project)
- 5-6 sheets graph paper (can print template [here](#))
- 12 sheets 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)
- recycled items, variety types/sizes (ex: food boxes, plastic bottles, plastic bottle caps, magazines/newspapers, etc.)

OPTIONAL ITEMS FOR DESIGNING (acquire what you have/would like to use):

- Decorating Ideas (if desired; some students may wish to only create a floor plan):
 - various craft supplies such as pipe-cleaners, craft poms, buttons, beads, washi tape, etc.
 - modeling clay, various colors (possible substitutes: play doh)
 - various natural elements (such as rocks, leaves, branches, plants, 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, if available
 - 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!