

# Crafty Time

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## Happy Tree University

Mix round and rectangular concentric shapes for that institutional building look.

### You will need:



**Tools:** ruler and marker,

scissors, paintbrushes

**Materials:** cardboard

including two sizes

of cylinders with lids,

masking tape, sand,

school glue, acrylic

paints, toothpicks,

straws.

Cost: about 75 cents

worth of glue and paint.

Time: about six hours

total.

### 1. Measure and mark



Measure 2" of height on each of two different sizes of cardboard cylinder. Oatmeal containers work well. Mark in several places and carefully run masking tape all the way around so that you will get an even cut. Place ruler across container to make halfway marks, and mark those also with straight perpendicular lines.

### 2. Cut cylinders



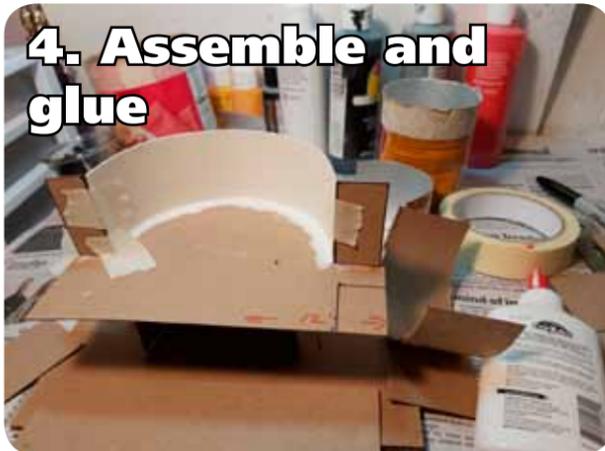
Carefully cut along the lines you made and the edge of the tape to get several 2" tall half-circles of cardboard of different sizes. Trace the shape they made on flat cardboard.

### 3. Cut cardboard



The base should be 8" to 9" along the back. For floors and roofs, add 1" to the sides and back of each semi-circle. Measure and cut, then trace and cut 2 more of the larger shapes. Match wall section measurements to the floors. You will need lots of 1" x 2" rectangles for the sides and 1" squares for windows.

### 4. Assemble and glue



Stack, test fit and adjust parts. Glue along edges and add masking tape as you go, starting from the half-circle and adding edges. Once you're happy with where it is, you can reinforce the glue with a bit of sand to add strength and texture and to help fill any gaps. Set aside to dry.

### 5. Repeat smaller



Repeat the above steps twice for the smaller shapes. Let dry.

### 6. Trace and place



The roof of the 2<sup>nd</sup> floor is the floor of the 3<sup>rd</sup> floor. Trace the smaller template so that it will be centered.

### 7. Ground floor



Here is another view. Note that the ground floor is glued to the base. Once you have your shape, you can easily mark and cut wall sizes starting from that.

### 8. Stack up



Test fit and check angles, looking from different sides and down from the top to line up. Glue levels together and tape in place. Let dry.