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## 1412-2 Crazy Creatures


### Robot Tile

Designed by Candie Cooper

Make a fun robot casting using nuts, bolts, and other hardware found around your house, that are needed any longer.

Watch the video for this project online at:  
<http://youtu.be/BvxW5-rV-eo>



 When you see the "helping hand" symbol on a project, it means you may need adult supervision to do the project. Always cover your work surface with a mat or some type of protective

covering like wax paper or plastic. Always use care when using tools or a heat source. Be careful and safe!

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Age Range: 7 to 12

Grade Range: 2 to 6

Skill Level: Moderate

Appropriate for These Special Events:  
Every Day and Rainy Days

Supports Subject Area(s) of:  
Language Arts - e.g. step by step instructions  
Mathematics - measuring  
Visual Arts

Time Needed for Project:  
2 hours plus drying time

**Main Materials:**

Activa® Instamold™ - mold making material

Activa® Permastone™ - casting material

Odds and ends-nuts, bolts, hinges, mini wrenches, screwdrivers, locks, keys

Elmer's® Craft Bond™ Tacky Glue

Elmer's® School Glue Gel





### **Basic Materials:**

Acrylic paint--one light color, one dark color  
1 sheet of craft felt  
Shallow plastic container  
Coarse sandpaper or scrubby pad  
Mixing bowl and whisk

### **Instructions:**

Lay out your parts and pieces to create your robot. Glue the layered pieces together with thick white glue (this is only a temporary hold if the pieces are metal).

Check the fit of your robot to plastic container.

Mix the Instamold and cast robot pieces according to the manufacturer's instructions. It's good to have a plan of which pieces will go into the mold first to insure everything fits and ends up where you want it (i.e. legs, body, head, antennae).

Once the mold is set, you can cast your tile. Follow the manufacturer's instructions for the Permastone and leave to dry.

Paint the tile with the light acrylic color and follow with a watered down wash with the dark acrylic paint.

Seal the tile with the clear school glue.

Optionally, you can add embellishments to the body or around the edge of the tile now too.

Trace the tile shape onto the craft felt and cut out. Glue the felt backing to the tile with thick glue.

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