

Waterproof Car

Inspired by *If I Built a Car* by Chris Van Dusen.

Goal: Tinker with a toy car to make it an aquatic vehicle.

You will need:

- Toy car
- Materials you might use:
 - Cups
 - Recycled materials (bubble wrap, plastic, packing materials)
 - Rubber bands
 - Paper clips

What to do:

- Brainstorm ideas about how to make a waterproof/aquatic vehicle.
- Draw and create a design. Decide what materials you will use and how much of each material you will need. Gather your materials.
- Execute your design and test it out. Inventing usually takes time and many trials. Make adjustments and tinker with different ideas as you create.
- Try another design - try to make your car float or propel through the water or both!

To think about:

- What other materials could you use to accomplish the goal of waterproofing a car? Test out different ways to make your car waterproof. Which type of material worked best for you?
- Make a car using the *Create a Car* activity. Think about how you could turn it into a waterproof vehicle. What materials could you use to make the car waterproof? What materials could you use to make the car float? What about making the car propel across water? Are the materials you need for these tasks different than the materials you used when you first made the car?
- What other vehicle could you create that does something special or unusual? What would you need to do this?

