

# WORKSHOP EXTENSION ACTIVITY

Built by The Home Depot Kids Workshop

## January 2021: ATM Bank

Ages 5-12

### CONNECT.

Imagine that you just won \$50. If you were to **spend** this money, what would you spend it on? If you were to **donate** this money, what cause would you want to help? If you were to **save** this money, what would you want to save it for?

### INVESTIGATE.

Saving money is important! When you save money, you're eventually able to afford more expensive items and experiences. As you get older, it's also smart to save for unexpected situations.

While it may seem more fun to spend money than to save it, that doesn't have to be the case. Let's make saving fun by creating a roller coaster that will drop coins into your ATM Bank and help you save!

#### You'll need:

- 1-inch x 6-foot foam pipe insulation (or more for an especially long roller coaster)
  - Painter's tape
  - Scissors (to cut the foam if needed)
  - Coins: at least one quarter, dime, and nickel
1. Before you begin, make sure that a quarter can fit through your tubing. If not, you will need to find a bigger tube or cut the tube in half.
  2. Then experiment! Your goal is to create a coin roller coaster ride: When you drop the coin into the high end of the tubing, it should travel the length of the tube and then drop out the other side. Try to make your ride as exciting as possible, and twist the tubing into all different shapes, hills, and loops.

**Tip:** It will be helpful to have one or two other people to help hold the tubing.



**Did you know?** Your coin (like a roller coaster car) is driven by gravity. Gravity is the force that pulls everything down!

3. Once you have an idea for a roller coaster design that successfully carries a coin from beginning to end, sketch a quick picture of the design below so you can refer to it later.



### INNOVATE.

Now turn your design into reality!

1. Choose an area in your home with an empty wall, and place your ATM Bank on the floor against this wall.
2. Test where to place the bottom of the tubing in relation to the ATM Bank. At the end of the roller coaster ride, the coin should land either in the ATM Bank's money slot or just beside it, so you can push it right in. Once you have the tubing in a good spot, use painter's tape to secure the bottom portion of the tubing in the correct position along the wall.
- Tip:** Don't cover the ATM Bank's money slot entirely. You'll want to be able to slip bills inside, too!
3. Now that the bottom portion of your roller coaster is complete, use your design sketch to help you create the rest of your roller coaster. Start from the bottom, and tape the tubing against the wall little by little. Be sure to give it a test run every so often to make sure the coin can still run all the way through.
4. Once your roller coaster is complete, send a quarter, dime, and nickel down the tubing to make sure they all land in or next to your ATM Bank. When you're sure your roller coaster works, you're ready to start saving!

#### Extra Design Challenge

Give your roller coaster a theme that reminds you of what you're saving for! Glue inspiring pictures to your roller coaster tubing, and you'll be extra-motivated to save!

