

Roller Coaster STEM Challenge

Mission: Design a safe and fun roller coaster using available materials. Watch the video for 3 levels of challenges.

Materials Needed: Watch the video for ideas of materials to use around the house.

- Scissors
- Tape
- Materials for a *track* such as paper, newspaper, construction paper, cardboard (cereal boxes, tissue boxes, etc), paper plates, and toilet paper rolls.
- Materials for a *support structure* such as cereal boxes, rolled paper (newspaper, construction paper, magazines), or even a chair will work.
- Something spherical and light-weight such as a ping pong ball, bouncy ball, marble, or uncooked chickpea/ garbanzo bean.