



BALLS & TRACKS

STEM Discovery Toolkit

Take on the engineering challenge based on designs of roller coasters and ski jumps, while learning about the forces of motion! Keep the marble rolling by building a series of twists and turns!

Lessons Included:

- Ski Jump
- Loops and Spirals
- Super Coaster

Life Skills Objectives:

Youth will gain critical thinking and problem solving skills by engaging in hands-on experiential learning experiences.

Learning Science Through Inquiry:

Students will use a protractor to measure the angle of trajectory, identify how friction affects the energy needed to move, as well as measure the height and length the marble travels on the track.

To request a STEM Discovery Toolkit fill out the [Check Out Request Form](#)

What's Inside?

- ⇒ Foam Tubing Tracks
- ⇒ Marbles
- ⇒ Tape
- ⇒ Additional Supplies



For more information about STEM opportunities from UW-Extension, or to request a STEM Discovery Toolkit, contact Annie Lisowski, 4-H & Youth Development Educator, 608-685-6256 or email annie.lisowski@ces.uwex.edu