



Invite children to explore the contents of the “tub” without any direction other than showing respect for the materials and using them in a designated area or workspace. The question prompts (Side 2) may be used to support the curiosities, conversations, and critical thinking that rise from engagement with the materials. It is up to you the educator to select the questions which are appropriate for your children as they play.

List of Contents*

- Keva Planks
- Cardboard tubes
- Pom poms
- Cardboard ramps
- Wood balls
- Split wood balls
- Wood spools
- Wood bowls
- Wood cubes
- Brown felt squares

*Contents may vary based on availability.

All substituted materials will be suitable for successful tinkering!

**FREE Download for
Ramp & Runway Images & Resources at
ShopBecker.com/TinkerTubs**

Additional Materials You Might Add

- Marble run pieces
- Variety of blocks and inclined planes
- Ping pong balls
- Tape measure | Other measuring tools
- Variety of items that roll or slide



A ramp is a simple machine called an inclined plane. You can find ramps all around – playground slides, wheelchair ramps, and even escalators! Inclined planes can make work easier for us. Explore beginning physics concepts such as force, motion, and gravity. Investigate different ways to build ramps and runways and observe how different items roll or slide with the variety of materials in this kit.

- What kind of objects will roll down a ramp? Why do you think they will roll? What kind of objects will slide down a ramp? Why do you think they will slide? What are different ways you can make an object roll or slide?
- What could you change about the ramp to make the object roll or slide faster? What would you change to make the object roll or slide slower?
- What happens to the object if you raise your ramp? What happens when you lower your ramp?
- What happens if you push the object down the ramp with your hand?
- Try rolling different objects down a ramp. Which object traveled the furthest distance? What tool can you use to measure the distance?
- Look for ramps in your school or in your neighborhood. How can ramps help people?
- How can you use the materials in this kit to build a ramp? Tell me about your ramp or slide design.
- Describe what it is like to go down a slide on the playground. Why are some slides faster than others? Did you ever slide down a snowy hill? Tell a story and draw a picture about a slide adventure!