

# Construction Theme

## Math (Measurement, Spatial Sense)



## Ramp It Up

**Vocabulary:** incline, ramp, faster, slow, farthest, measurement, speed, roll, distance, steep

### Materials

- Plank
- Wide block of wood
- Unit blocks
- Selection of items that roll, such as cars, trucks, balls
- Selection of items that do not roll

**Preparation:** Create a simple T-graph with “Things that roll” on one side and “Things that don’t roll” on the other side.

### Procedure

- Build an incline with the children using the plank and wide block of wood.
- Give children selected items to roll down the ramp. Predict which item will roll the farthest.
- Have the children test predictions.
- Help children measure the distance using tape measures, string, yardstick, etc.
- Use a simple T-graph with “Things that roll” vs. “Things that don’t roll” and children can place the corresponding item in the correct column.

### Literacy Extensions

- Add vocabulary cards with words ‘ramp’ and ‘incline’.
- Incorporate writing by taking dictation if they draw a picture of the winning item or their ramp.

**Questions to extend learning:** Ask “What would happen if we built a higher ramp? Would the \_\_\_\_\_ go farther or stop sooner?” or other open-ended questions to encourage experimentation and higher-level thinking.

### Supplemental Activities