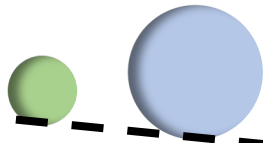


How fast can you roll?

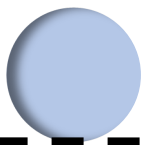


Materials needed:

- Collection of different size balls, pipes, cylinders, etc.
- Ramp

Instructions:

1. Set up a ramp and have access to assorted balls, cylinders, or other objects that can roll. Explain to the children that you are going to be placing the objects at the top of the ramp and seeing how fast they can roll down. Ask them in general what objects they think will roll faster.
2. Take two objects and hold them up. Ask children to make guesses to which one will go down the fastest.
3. After getting some responses place the objects at the top of the ramp and let them roll down. Check the kids predictions.
4. Explain to the kids that where the weight of an object is placed will determine how fast or slow it will roll (refer back to “What Children Are Learning” for more details).
5. Continue the activity trying different objects. Let the kids choose the objects and have them race the objects themselves.



Linkage to Kentucky School Standards:

- 2.1 Students understand scientific ways of thinking and working and use those methods to solve real-life problems.
- 2.3 Students identify and analyze systems and the ways their components work together or affect each other.
- 4.2 Students use productive team membership skills.
- 5.1 Students use critical thinking skills such as analyzing, prioritizing, categorizing, evaluating, and comparing to solve a variety of problems in real-life situations.
- 6.3 Students expand their understanding of existing knowledge by making connections with new knowledge, skills, and experiences.