

MAZERUN™ LABYRINTH

Lesson Directions Overview

Equipment List

- 1 MazeRun™ Labyrinth Tarp
- 3 Barriers (24"L)
- 6 Barriers (12"L)
- 9 Barriers (6"L)
- 2 Hills
- 1 Ball Trap
- 4 Hole Covers
- 1 Start Patch
- 1 End Patch
- 1 Set Rainbow® Foam Golf Balls

Learning Objectives

1. Students will collaborate to learn about force and motion as they move a golf ball from the Start patch to the End patch.
2. Students will build communication skills as they work together to create and solve a labyrinth while avoiding the netted holes in the tarp.
3. Students will describe the impact of gravity and friction on the ball in the labyrinth.
4. Students will describe the energy conversion that takes place within the labyrinth.
5. Students will strategically utilize simple machines to improve the speed at which the ball travels.

Grade Levels: K-12

Vocabulary Covered

- Acceleration
- Force
- Friction
- Gravity
- Kinetic Energy
- Potential Energy

Next Generation Science Standards Addressed

- K-PS2-1
- 2-PS1-1
- 3-PS2-1
- 3-PS2-2
- 5-PS2-1
- MS-PS2-2
- HS-PS2-1
- HS-PS3-2