

STEAM in PE

Obstacle Course Design Challenge

S- Science (speed, force, distance)

T- Technology (stop watch, Go Pro video)

E- Engineering (design, structural stability)

A- Art (creativity)

M- Math (analyze finish times)

The Challenge:

Create an obstacle course made for 3rd and 4th grade students.

Guidelines:

- 1) Your course must have 4 different obstacles. Choose your equipment wisely!
- 2) You must draw your obstacle course.
- 3) You must write labels on your map of your obstacle course.
- 4) Everyone in your group must try the course and be timed with a stop watch.
- 5) You must record all times, find the fastest, slowest and difference in times.
- 6) Your group must show the course to the rest of the class. Everyone in your group must have a role (either a turn talking or showing us how to do it).

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Time analysis:

Runner 1 _____ Time 1: _____ Time 2: _____

Runner 2 _____ Time 1: _____ Time 2: _____

Runner 3 _____ Time 1: _____ Time 2: _____

Runner 4 _____ Time 1: _____ Time 2: _____

Runner 5 _____ Time 1: _____ Time 2: _____

Runner 6 _____ Time 1: _____ Time 2: _____

Circle the fastest time for each runner.

What was the fastest time out of everyone in your group? _____

What was the slowest time out of everyone in your group? _____

Find the difference between fastest and slowest times. Circle your final answer.