



STEM Scavenger Hunt: Middle School

Graph Matching

A number of graphs are shown at the STEM Center. Match the graph (Letters) with the correct ride (Numbers). A ride may be used more than once or not at all.

- | | | |
|-----|---|--------------------------|
| ___ | A | 1. Boomerang |
| ___ | B | 2. Crow's Nest |
| ___ | C | 3. Fireball |
| ___ | D | 4. Iron Rattler |
| ___ | E | 5. Poltergeist |
| ___ | F | 6. Scream |
| ___ | G | 7. Joker |
| ___ | J | 8. Super Villains Swings |

Graph Analysis

Use Graph K (*Iron Rattler*) at the STEM Center to answer these questions. Match the locations on the graph (letters) to the descriptions (numbers). Letters may be used more than once or not at all.

___ 1. Lift Hill

___ 2. Maximum Potential Energy

___ 3. Maximum velocity

___ 4. Maximum Kinetic Energy

Use Graph O (*Superman*) at the STEM Center to answer these questions. Match the locations on the graph (letters) to the descriptions (numbers). Letters may be used more than once or not at all.

___ 1. Maximum Potential Energy

___ 2. Maximum Kinetic Energy

___ 3. Bottom of loop

___ 4. Top of loop