

Dynamic Duo Swing Investigation

Outdoor Playtime wants to design a new playground swing called The Dynamic Duo. It will incorporate two magnets into an existing tire swing design. We need you to help figure out how to use magnets to change the back-and-forth motion of a swing. Here are two diagrams of our current tire swing. The tire has a steel frame. We can place magnets underground near the swing. We would like you to investigate either:

- how far from the center of the tire swing the magnets should be placed, or
- how high above the ground the tire swing should be when it is released.

