

Magnet Raceway

Materials: Different strength magnets
Paper clips
Crayons
Scissors
Tape

Procedures:

1. Cut out 2 or 3 race cars.
2. Color and name each car.
3. Tape a paper clip to the back of each race car.
4. Place a car on START.
5. One friend holds the racetrack in the air, while the other friend holds a magnet directly underneath the car.
6. Move the magnet under the car, and watch the car move. Time how long it takes for the car to reach the FINISH line of the racetrack.
7. Trade places, allowing each person to have a turn moving the magnet and racing the car.
8. Use different strength magnets and compare race times.

Car	Magnet 1 Time	Magnet 2 Time	Magnet 3 Time
#1			
#2			
#3			

Observations:

Conclusions:

**How quickly did your fastest car travel? What was your fastest time?
What was your slowest time?**

What do you think caused your car to move more slowly? More quickly?
