

Unit:  
Forces

Concept:

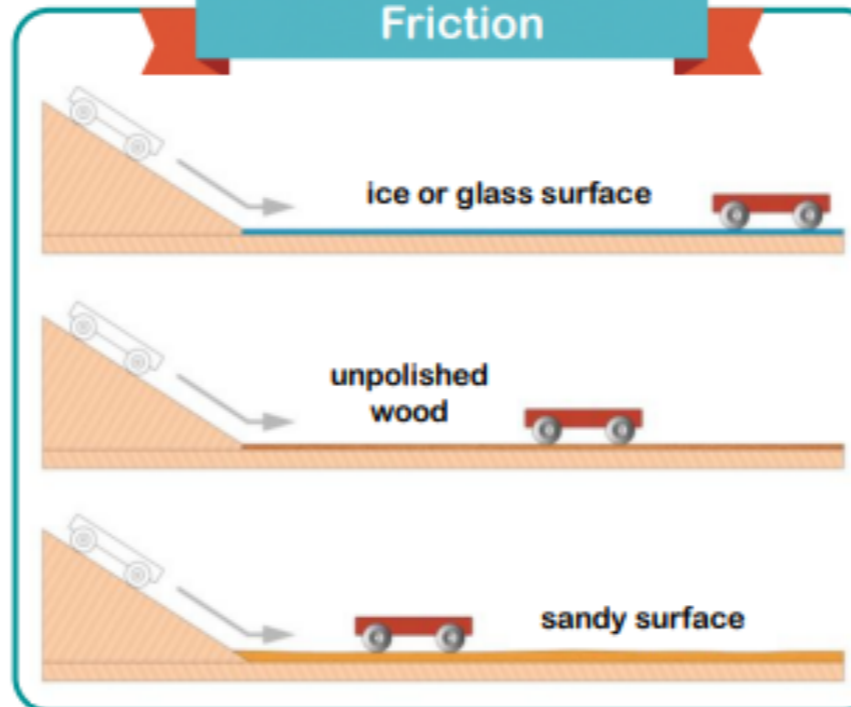


Subject:  
Science

Forces

- Forces act in opposite directions to each other.
- When an object moves across a surface, **friction** acts as an opposite force. Friction is a force that holds back the **motion** of an object.
- Some surfaces create more friction than others, meaning that objects move across them more slowly.
- On a ramp, the force that causes the object to move downwards is gravity.
- Objects move differently depending on the **surface** of the object itself and the surface of the **ramp**.

Friction



non-magnetic



magnetic

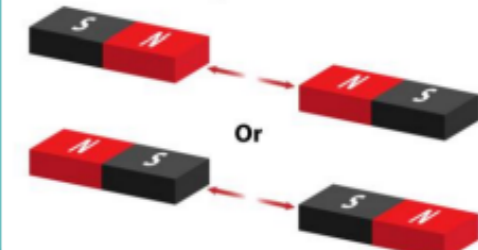


Magnetic Forces

Attraction



Repulsion



What?  
Key Vocabulary

Spelling	Definition/Sentence
Force	a power or strength that can cause an object to move
Friction	the force that pulls backwards when objects rub against each other
Magnet	an object that can pull some metal items towards it
Magnetic field	the force that surrounds a magnet and attracts magnetic objects
Magnetism	the force of a magnet
Attract	to pull towards
Repel	to force back or push away

Sequence of lessons

Lesson	Definition/Sentence
1	To explore contact and non-contact forces
2	To compare how things move on different surfaces
3	To explore different types of magnets
4	To explore the properties of magnets and everyday objects that are magnetic
5	To understand that magnetic forces can act at a distance
6	To explore the everyday uses of magnets