

Force and Motion

Grade 2

Big Idea

Forces influence the motion of an object.

Learning Standards: Content

1) types of forces

Content Elaborations

1) contact forces and at-a-distance forces:

different types of magnets

static electricity

balanced and unbalanced forces:

the way different objects fall depending on their shape (air resistance)

the way objects move over/in different materials (water, air, ice, snow)

the motion caused by different strengths of forces

Learning Standards: Curricular Competencies

Planning and conducting

- ▶ Make and record observations
- ▶ Safely manipulate materials to test ideas and predictions
- ▶ Make and record simple measurements using informal or non-standard methods

Communicating

- ▶ Communicate observations and ideas using oral or written language, drawing, or role-play
- ▶ Express and reflect on personal experiences of [place](#)