

## Motion & Force at Robin Hill

### Experience different forces at Robin Hill!

#### Student Introduction

- ▶ Forces are at work all around you at Robin Hill
- ▶ Can you identify the forces you experience at the park?

#### TASK

- ✓ You can work on your own or in a pair.
- ✓ Enjoy the different activities at Robin Hill.
- ✓ Complete worksheet about the different forces that affect the activities.

### Forces at Robin Hill

You will experience different forces whilst taking part in the activities at Robin Hill. You will see forces affecting the



movement of different objects.

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Back at school you can investigate how to reduce friction

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### Forces in Action

- ▶ The force of gravity is pulling all things towards the Earth. There are other forces acting on these different objects. These forces affect the movement of the objects.
- ▶ Complete the box by writing the force that is affecting the movement in each of these activities.

Choose your words from this list: *friction, air resistance, friction, water resistance*



The movement of the remote controlled boats is affected by

\_\_\_\_\_



The movement of the person on the cheetah zip wire is affected by

\_\_\_\_\_



The movement of the falcon is affected by



The movement of the children on the slide is affected by

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There are various forces that make things begin to move, go faster or slow down.

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Some of these forces include:

- ✓ gravity
- ✓ friction
- ✓ water resistance
- ✓ air resistance

For each of the following activities list the forces that will affect their movement.

Colossus \_\_\_\_\_

Treetop Trail \_\_\_\_\_

Cows Express Children's Train Ride \_\_\_\_\_

Climbing frame at African Adventure \_\_\_\_\_

Ducks on the woodland pond \_\_\_\_\_

Pitch and Putt \_\_\_\_\_

Canopy Skywalk \_\_\_\_\_

