



Introduction

Part of the Science through Stories (SEN) materials are whiteboard 'posters' to stimulate talking and listening on each topic. At key points during each topic, display the poster and use this to introduce and consolidate key vocabulary that you wish the learners to develop. The vocabulary should be at a level that suits their needs. You can also encourage them to use the correct scientific terms at a level suitable to each learner's abilities. We have provided some examples of information and questions that you may wish to talk about in your discussion with your class.

Friction is the resistance that one surface of object encounters when moving over another.

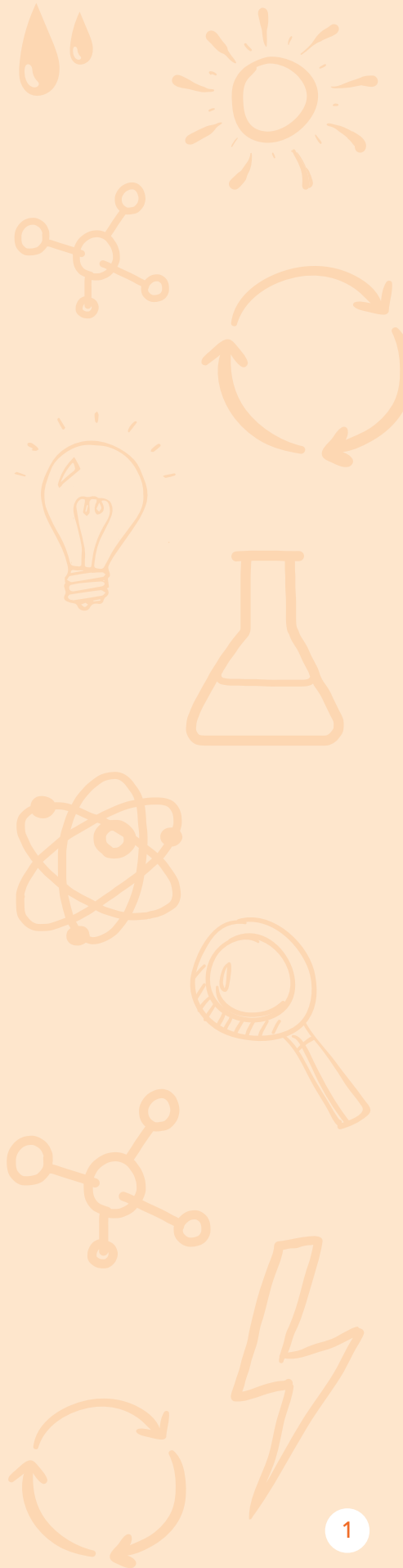
We need friction if we want to stop something moving or to keep it stationary.

- Friction happens when:
 - you slide down a slide;
 - you zip along a zip line;
 - you swing through the air on a swing; or
 - the parts of the roundabout move around.

Point out to the learners that even the birds and the planes experience friction as they travel through the air.

Ask the class: 'Who will experience the most friction when walking, the person in trainers, or the person in rollerblades?'

The person in trainers will experience the most friction: the person in rollerblades will experience the least.





Key Questions

- Can you show me where the friction is taking place?
- Do we always want friction?
- Show me something in the poster where we would **not** want friction taking place. Why?
- Point out a place or activity when a force of friction is useful.
- Where might be a good place to test air friction by dropping an object? (Treehouse).

