



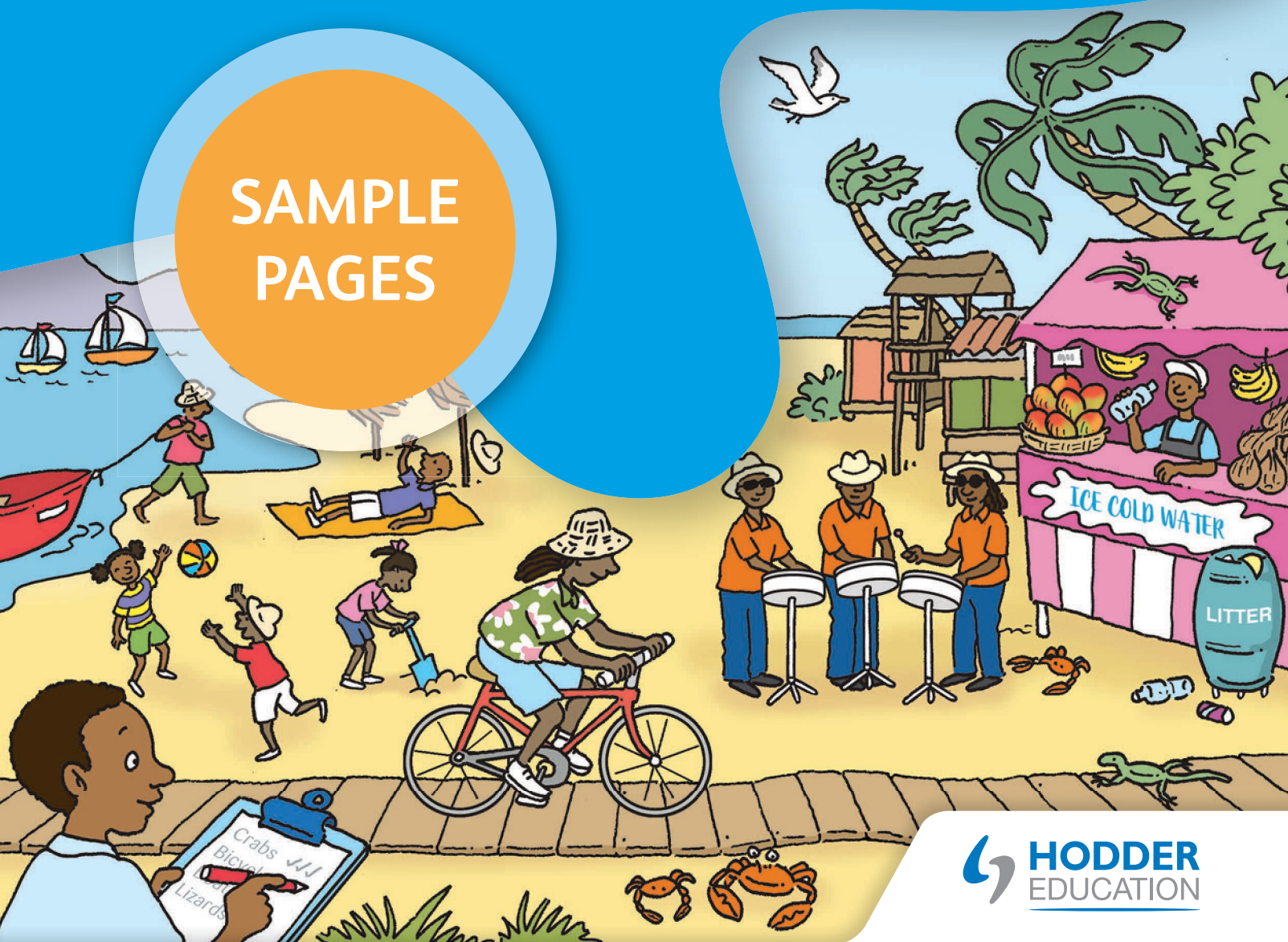
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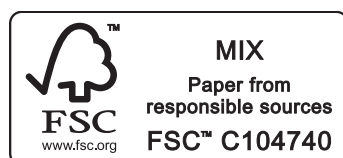
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Being a scientist

In this topic you are going to learn about, and use some important science skills.

Let's observe

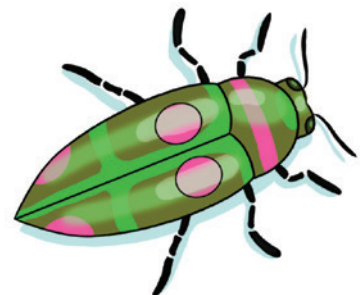
When we observe something, we look at it, listen to it, smell or feel it to learn more about it. We don't taste things because they may be poisonous.

- 1 Look at this flower for 30 seconds. Then cover it.
Your teacher will tell you when 30 seconds are up.



Without looking at the picture, do the following.

- a Describe the flower to your partner.
 - b Draw what you observed in the box.
 - c When you observe a picture, you use your eyes. What else could you use to observe a real flower?
- 2 Here is a drawing of a jewel beetle.
 - a Listen as your teacher reads out some observations about the beetle.
Put up your hand if you think an observation is useful for scientists.



It looks funny.

It has six legs.

The back of the beetle has pink dots and green markings.

The beetle has eyes.

I don't like beetles.

I wish I could see a beetle like this.

- b** Make one good observation of your own about the beetle. Tell your group what you observed.

Let's measure and record

In science, we measure many things. We measure how long things are, how heavy they are, how much they can hold and how hot or cold they are. We record our measurements by writing them down.

- 3** Say what is being measured in each picture. Talk about how it is being measured.

A



B



C



D



- 4** Some students used cubes to measure the height of plants.



- a Complete the table by filling in the height of each plant.

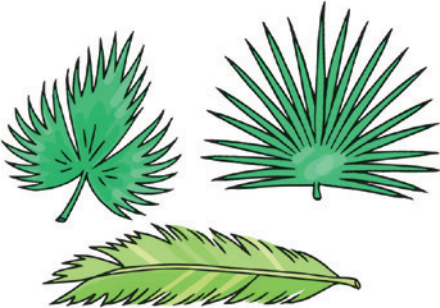
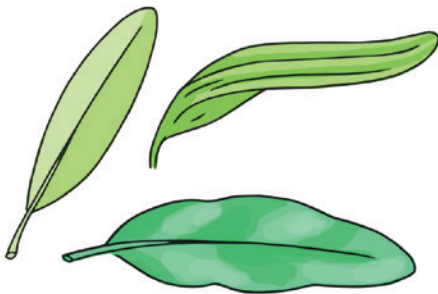
Plant	Height
Maria	<input type="text"/> cubes
Shania	<input type="text"/> cubes
Joe	<input type="text"/> cubes

- b Write the heights in order from the shortest to the tallest.

Let's classify

When we classify, we sort things into groups to show how they are similar. For example, we could classify students by whether they have long or short hair. We could also classify them by looking at whether they write with their right or left hand.

- 5 How are the leaves in each group the same?

<p>Group A</p> 	<p>Group B</p> 
--	---

- 6 How would you classify these leaves?
Draw them in the correct group.



Let's infer and predict

When you infer, you use what you can see and what you already know to work out what is happening. For example, if you look outside and see that everyone is wearing jackets, you could infer that it is cold outside.

When you make a prediction, you say what you think will happen. For example, if you look up at the sky and you see lots of dark grey clouds, you might predict that it is going to rain soon.

7 Look at the picture carefully. Answer the questions in your group.

- a** What is happening to the ice lolly?
- b** What can you infer about the temperature when this happens?



8 Three children put some ice blocks in different places.



- a** Predict which ice block will melt the fastest. Tell your partner why.
- b** Which ice block might not melt? Tell your partner why.

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