



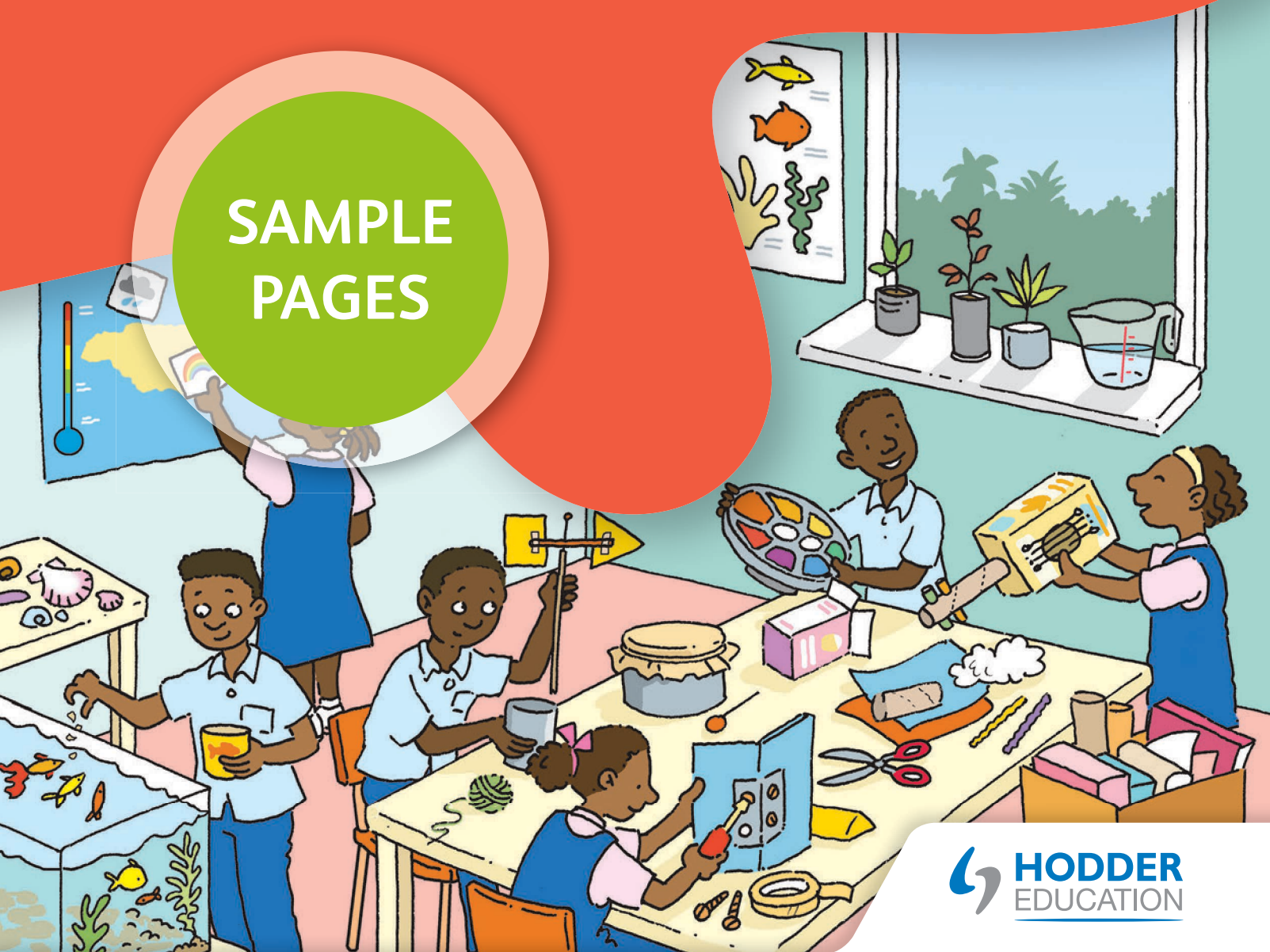
Caribbean Primary Science



Level 2



SAMPLE
PAGES



SAMPLE

See page 156 for photo acknowledgements.

Every effort has been made to trace all copyright holders, but if any have been inadvertently overlooked, the Publishers will be pleased to make the necessary arrangements at the first opportunity.

Hachette UK's policy is to use papers that are natural, renewable and recyclable products and made from wood grown in well-managed forests and other controlled sources. The logging and manufacturing processes are expected to conform to the environmental regulations of the country of origin.

Orders: please contact Bookpoint Ltd, 130 Park Drive, Milton Park, Abingdon, Oxon OX14 4SE.
Telephone: +44 (0)1235 827827. Fax: +44 (0)1235 400401. Email education@bookpoint.co.uk
Lines are open from 9 a.m. to 5 p.m., Monday to Saturday, with a 24-hour message answering service. You can also order through our website: www.hoddereducation.com

ISBN: 978 1 5104 7893 0

© Cloud Publishing Services, Milly Fullick, Lisa Greenstein 2020

First published in 2020 by
Hodder Education,
An Hachette UK Company
Carmelite House
50 Victoria Embankment
London EC4Y 0DZ
www.hoddereducation.com

Impression number 10 9 8 7 6 5 4 3 2 1

Year 2023 2022 2021 2020

All rights reserved. Apart from any use permitted under UK copyright law, no part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or held within any information storage and retrieval system, without permission in writing from the publisher or under licence from the Copyright Licensing Agency Limited. Further details of such licences (for reprographic reproduction) may be obtained from the Copyright Licensing Agency Limited, www.cla.co.uk

Main cover illustration by Heather Clarke/D'Avila Illustration, Seahorse design by Andrew Painter/
D'Avila Illustration

Illustrations by Leo Daly and Magriet Brink, Creative House; Heide Dedekind; Claudia Eckard;
Jiggs Snaddon Wood
Typeset in FS Albert by Stacey Gibson
Printed in Slovenia

A catalogue record for this title is available from the British Library.



Contents

How to use this book	iv
Topic 1 Being a scientist	2
Topic 2 Weather	8
A Weather	9
B Measure and predict weather	13
Topic 2 review	18
Topic 3 Earth's resources	20
A Our environment	22
B Litter	25
C Air	28
D Water	31
Topic 3 review	33
Topic 4 The solar system	35
A Day and night	36
B The Moon	39
Topic 4 review	41
Topic 5 Plants	42
A Parts of plants	44
B Seeds	48
C Using plants	53
D Plants around us	55
Topic 5 review	57
Topic 6 Animals	58
A Living things	60
B Animals around us	65
C Classifying animals	71
D Endangered species	75
Topic 6 review	78
Topic 7 Ecosystems	80
A Habitats	82
B Feeding relationships	85
C Protecting our world	88
D Keeping our world clean	90
Topic 7 review	94
Topic 8 Energy	96
A Using energy to move	98
B Energy from food	102
C Making sounds	105
D Using electricity	109
Topic 8 review	111
Topic 9 Forces, motion and structures	114
A Changing motion	116
B Structures	119
C Devices and tools	123
Topic 9 review	126
Topic 10 Matter and materials	128
A What is it made of?	130
B Properties and uses of materials	133
C Choose and use materials ...	137
D Solids and liquids	141
Topic 10 review	146
Teacher's notes	148

Being a scientist

In this topic you are going to learn more about some of the skills that scientists use, and try these out yourself.

Let's observe



Look carefully at these two crabs.

The crabs have a number of things that are similar. For example, they both have ten legs, a hard shell on their bodies and two eyes. They also have a number of things that are different. For example, Crab A has bright red legs. Crab B has brown legs.

When we observe things in science, we look for both similarities and differences.

1 Observe these two craft items carefully.



Use coloured pencils.

- a Mark three things that are similar.
- b Mark three differences.

Let's measure, record and interpret data

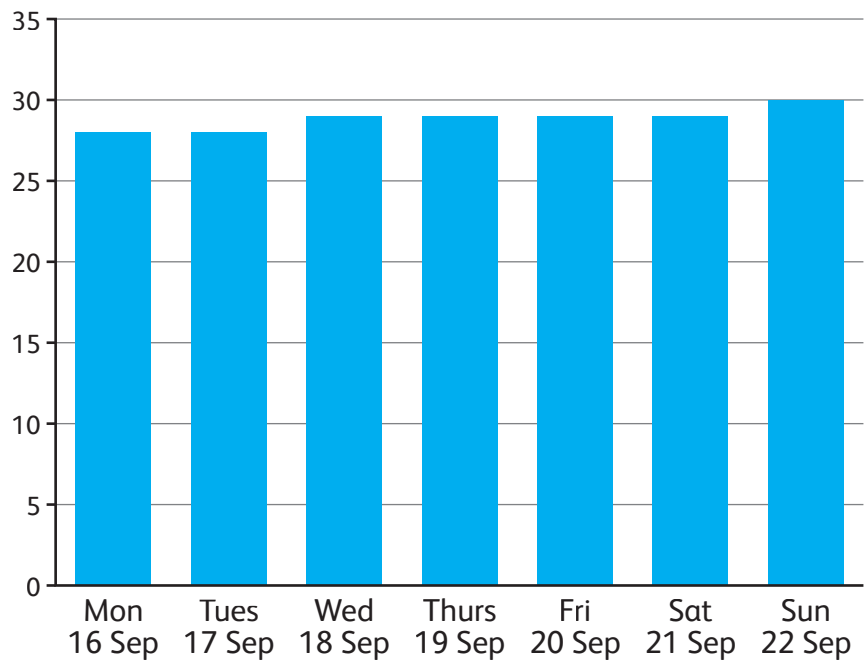
When we measure, we can write down or record the measurements in a table. This table shows the height of a bean seedling over a period of days.

Day	1	3	5	7	9
Height of seedling	2 cm	2 cm	$2\frac{1}{2}$ cm	3 cm	4 cm

This bar graph shows the temperature of the sea each day for a week in St John's, Antigua.

When you read information from the graph, you are interpreting the data.

- 2** Make up two questions about the graph.
Write them here.



Question a: _____

Question b: _____

Exchange with a partner and answer each other's questions.

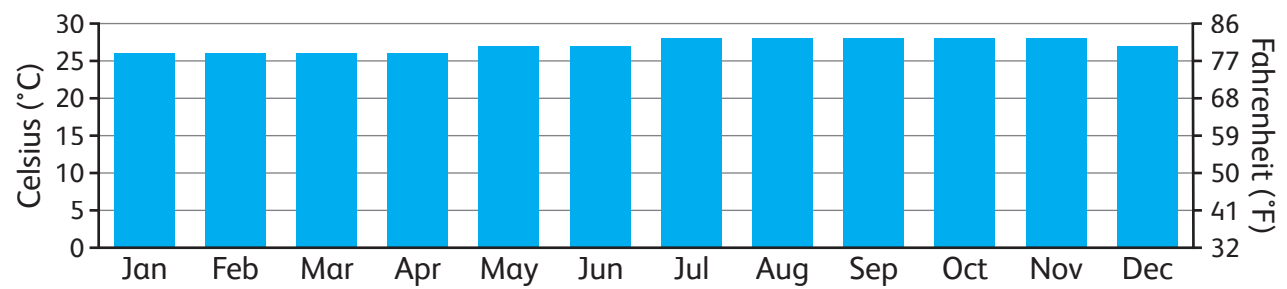
Question a: _____

Question b: _____

3 Use a ruler to measure the length (or height) of five different objects in your classroom. Record your measurements in this table. Remember to include the units in your measurements.

What I measured	My measurement

4 Look carefully at this graph.
Monthly sea temperature in St John’s, Antigua.



- a What does the graph show you?

- b In which months is the sea the coolest?

- c Use data from the graph to complete this table.


Sea temperature in Antigua during the year.

Month	January	April	July	October	December
Temperature in Celsius					




Let's classify

When we classify objects or living things we put them into groups using what is similar about them.

These objects have been classified using the material they are made from.

Plastic	Glass	Wood
		

We can classify the items differently using what they are made from and what they are used for.

	Plastic	Glass	Wood
Measuring instrument			
Container for food or drink			

5 Observe the animals carefully.

A



B



C



D



E



F



G



H



I



J



K



L



a Insects have six legs. Which of these animals are insects? Write their names here:

b Which of these animals can fly? Write their names here:

c Classify the animals in two groups. Write the letters in the correct place in the table.

Is an insect	Is not an insect

Let's infer and predict

When we predict ...

We use what we can see, or what we have read, to guess what may happen next.

If you see large storm clouds, you might predict that rain is coming.

When we infer ...

We use what we can see or what we have read AND what we already know to work out things.

For example, sometimes there will be lots of clouds in the sky and also a strong wind blowing. But if you know that it doesn't usually rain when the wind comes from the inland, you might infer that it is not going to rain.

6 Look at the pictures carefully.

a What can you infer about what happened to the nuts?

b What information did you know that helped you make your inference?



7 Predict what will happen next in each situation. Tell your partner why you think this will happen.



Caribbean Primary Science

SAMPLE PAGES

Open up the world of science to your students, enthusing and encouraging them to become focused, questioning and successful scientists, thinkers and problem solvers.

Science and technology encompass some of the most important skills children need to master in the modern world. This series introduces and develops the building blocks of science study, ensuring student interest and academic progression continue hand-in-hand throughout primary school and on into secondary education.

- A new and appealing resource, planned and designed to make each student feel and work like a scientist.
- Language controlled with vocabulary support for students, plus full support for non-specialist teachers.
- Features special projects and research projects to build skills towards the end-of-primary examinations.
- Focus on practical work, green technologies, environmental issues and science in daily life.



Look!

The picture on the front of this book shows a classroom with lots of activity and discovery. You can use the picture to introduce science concepts and vocabulary and make links with the children's daily lives. Encourage the children to love science throughout their school life.

Look at what the children are doing in the picture and think about why they are doing it. They are studying and caring for plants and animals, studying weather and climate, and making things. Look at what they are making, and how these things might be used. What is their connection to science? There are more ideas on the inside of the cover.

HODDER EDUCATION

e: education@bookpoint.co.uk

w: hoddereducation.com

ISBN 978-1-5104-7893-0

