Create enthusiastic and capable young scientists ready for Lower Secondary and International GCSE Science.

pearsoninternational-schools.com/iprimaryscience
Introducing Pearson International Primary Science

Designed for international learners aged 5 to 11 years, Pearson’s brand-new interactive International Primary Science programme is fully matched to the Pearson Edexcel iPrimary Science Curriculum – and closely aligned to the skills of the National English Curriculum (NEC).

Why choose Pearson International Primary Science?

This modern and exciting new science programme with an investigative approach at its heart:

✓ **Provides you with everything you need to teach science with confidence** with detailed lesson plans and structured, guided assessment helping you to support learning and ensure progression - whether you are a specialist teacher or not.

✓ **Ensures smooth progression to Lower Secondary and International GCSE Science** with a detailed learning journey covering Years 1-6 that continuously builds upon previous learning - and prepares learners for their Year 6 examinations too.

✓ **Gives you access to all the support you need** for planning, teaching, tracking and assessing your students’ progress - including interactive activities, assessment, data insight and more on our popular ActiveLearn Primary digital platform.
What is in Pearson International Primary Science?

**Student Books**

- Student Book Year 1
  - 9781292433424 • £20.00
- Student Book Year 2
  - 9781292433318 • £20.00
- Student Book Year 3
  - 9781292433255 • £20.00
- Student Book Year 4
  - 9781292433470 • £20.00
- Student Book Year 5
  - 9781292433271 • £20.00
- Student Book Year 6
  - 9781292433301 • £20.00

**Workbooks**

- Workbook Year 1
  - 9781292433288 • £10.00
- Workbook Year 2
  - 9781292433295 • £10.00
- Workbook Year 3
  - 9781292433255 • £10.00
- Workbook Year 4
  - 9781292433264 • £10.00
- Workbook Year 5
  - 9781292433394 • £10.00
- Workbook Year 6
  - 9781292433400 • £10.00

**ActiveLearn Primary Digital Subscriptions**

It contains everything you need for planning, teaching, tracking and assessing your students progress in one place.

**Teacher Subscriptions**

- **KS1** 9781292729251 • £250
- **Lower KS2** 9781292729244 • £250
- **Upper KS2** 9781292461045 • £250

For information on eBook subscriptions, please visit [pearsoninternational-schools.com/iprimaryscience](http://pearsoninternational-schools.com/iprimaryscience)
What you can expect to find in the programme:

A modern and exciting science programme with scientific enquiry at its core, designed to help you nurture enthusiastic and capable young scientists ready for Lower Secondary – and International GCSE Science too!

Fun and engaging textbooks and workbooks (available in print and digital), with interactive activities.

Comprehensive coverage of international primary science curriculum written by curriculum experts.

Interactive activities, videos, planning and assessment support on our ActiveLearn Primary digital platform.

Teach science with confidence with detailed lesson plans and structured, guided assessment to support learning and ensure progression - whether you are a specialist teacher or not.
Animals are living things.
Living things are alive. Living things grow. Living things need food to eat. Living things can move. Living things breathe.

What is this cat doing?

What is this animal doing?

What happens to baby animals that shows they are alive?

The cat is watching a mouse. The cat uses its senses. Think about what the cat will do. Predict what the cat will do next.

Can the elephant move by itself?

The cat is watching a mouse.

Plastic is a human made material.
Most plastic is made from oil. Some plastics are now made in other ways.

Many people are now trying to use less plastic. Suggest why.

What sort of bottle do you get milk in? Which bottle do you think is better? Why?

Matching page numbers in the textbooks and workbooks help learners navigate their way around the resources easily.

Real-word science, that young learners can relate to, sparks curiosity and inspire the next generation of scientists.

Mascots provide helpful tips and pose questions designed to aid understanding and encourage children to develop their scientific skills.

Highlighted key words through the book support the development of scientific language.

Questions challenge learners’ thinking and encourage them to scientifically explore topics.
Transport in plants

Transport means to move things. Plants need to move things from one part of the plant to another.

Can you think of things that a plant needs to move?

What do roots need to send to the leaves?

We cannot see things moving inside plants but we can look for evidence that it is happening.

Scientists look for evidence to show them whether something is correct.

Suggest what leaves may need to send to other parts of the plant.

Let’s look for some evidence that things move inside plants.

You will need:
- white flowers
- food colouring
- a small beaker of water.

Put a few drops of food colouring into the water.

Put the stem of the flower into the coloured water.

Look at the flower regularly for a day or two.

What evidence do you have that water moves inside the plant?

Which part is it moving through?

Key words
transport inside evidence correct colouring beaker through

End of topic questions

Animals

1. To which animal groups do the animals on this page belong?

End-of-topic questions help learners check their understanding of the content and develop skills of application and analysis.
A closer look at the Workbooks

These write-in workbooks help capture learners’ progress in one place. Additional activities help to consolidate learning and further develop students’ scientific thinking and skills.

**Animals are living things**

1. Circle the correct answers.
   a) Which is the living lizard?
   ![Lizards]
   b) Which two of these are living animals?
   ![Animals]
   c) Which picture shows two living things?
   ![Pictures]

2. The pictures show three different animals.
   What are all the animals doing that shows they are alive?
   ![Animal Images]
   a) This toy is not a living thing. The girl blows on the toy. What can the toy do now? Circle the correct answer.
   ![Blowing Toy]
   b) Write a list of things that the girl can do.
   ![Girl and Toy]

**Investigating streamlining**

1. Investigate how fast different shapes move through liquid.
   a) Write your scientific question.
   b) What will you change?
   c) Describe what you will measure.
   d) How much modeling clay will you use to keep each shape the same mass?

2. Write two ways to make this a fair comparison.
   1. 
   2. 

**Watching plants grow and change**

1. The picture shows a bean growing.
   a) Label the bean seed.
   b) Label the soil.

2. Joel plants some seeds in pots of soil.
   Write three other things the seeds need to grow into big plants.
   ![Beans in Soil]
   1. 
   2. 
   3. 

**Questions**

- Questions are written in the style of end-of-term, end-of-year, and external Edexcel assessment to help students become familiar with exam style questions.
- Questions build from simpler to more challenging ones to support progression.
- Practicial activities support the development of those skills needed for future progression in science.
A closer look at the teacher’s resources

All the support you need to teach science with confidence - whether you are a specialist teacher or not.

Underpinned by our International Primary Science curriculum, the course provides a detailed and structured journey throughout primary with explicit progression to Lower Secondary and onto Pearson Edexcel International GCSE.

Clear, adaptable support for teaching with Schemes of work and detailed lesson plans.

Curriculum objectives are clearly outlined, and key knowledge and skills are clearly explained through the lesson planning.

Page-to-page mapping, direct links to resources and key vocabulary save planning time while helping you to deliver great lessons.

Misconception and pre-requisites are highlighted in the ‘Before you teach’ sections to provide further teaching support.

<table>
<thead>
<tr>
<th>Year</th>
<th>Topic No.</th>
<th>Topic Name</th>
<th>Lesson No.</th>
<th>Lesson Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>Plants</td>
<td>22</td>
<td>Parts of a plant</td>
</tr>
</tbody>
</table>

Curriculum objectives

- B1.4A – Recognise examples of plants in the local and wider environment
- B1.4B – Know that plants have leaves, stems and roots
- ESE1.2 – Investigating: Make simple observations to compare objects and/or living things

Learning focus

What are the parts of a plant?

Key vocabulary

leaves; stem; roots; describe; thorn

Book references

Textbook pages 78-79 Workbook pages 78-79

Resources supplied

- Pre-prepared, labelled diagram of a simple plant on whiteboard or similar (for example, a simplified version of the one on textbook page 78, a typical plant)
- Pre-prepared, unlabelled diagram of a simple leaf on whiteboard or similar (for example, a simplified version of the one on workbook page 80, a typical leaf)
- ip_pips_lp_y1_tp4_rs1.doc A typical plant, A typical leaf

Other resources needed

- Variety of local plants showing roots, stems and leaves. Include at least one with thorns on the stem, which you can show learners yourself. Include dandelions (Taraxacum sp.) if you wish to do the extension activity
- Optional vocabulary cards for support
- Optional pots of soil for the extension activity

Lesson Outline

Before you teach:

This lesson is best done practically, either by going outdoors or by bringing living specimens into the classroom. Include examples of plants with their roots on – many weeds have good root systems and so can be dug up outdoors if soil conditions permit. Alternatively, stand uprooted weeds in a clear jar of water so that learners can see their roots easily. The specimens should be organised in a way that learners can easily access and study them. Ensure that you check in advance for hazardous local plants that you wish to avoid and for insect sting or pollen allergies.

If using vocabulary cards for support, prepare these in advance.

Set good foundations with scientific vocabulary: when referring to the function of leaves, use the word ‘trap’ (or ‘absorb’) not active words like ‘catch’, ‘try to find’ or ‘look for’. Likewise, refer to sunlight or light and not Sun or sunshine. Whenever you can, focus on the use of words ending in ‘-er’ and the word ‘more’ when
End of topic questions

The pictures show different foods we get from plants. Look at both sets of pictures.

I know which living things are plants when I go outside or when I see pictures. I know this because I can draw three different plants.

I know the names of some parts of a plant. I know this because I can list six different plant parts.

1. ________ 2. ________ 3. ________ 4. ________ 5. ________ 6. ________

What have I learned?

Accurate and timely formative and summative assessments are provided throughout the resources, to help you track progress.

Feeding relationships

Here are some key points for this topic:

- All living things need food.
- The availability of food affects the size of animal populations and where they can live.
- Plants make their own food.
- Animals depend on plants, other animals or both for their food.

Here are some important definitions:

| producer | a living thing in a food chain that can make its own food for example, plants are producers. They are at the start of food chains. |
| consumer | a living thing that eats another living thing for example, a grass-eater eats grass. A carnivore eats other animals |
| herbivore | an animal that eats plants |
| omnivore | an animal that eats other animals |

Accurate and timely formative and summative assessments are provided throughout the resources, to help you track progress.

Year 6 Revision sections help learners prepare for their end-of-year exams.
The digital subscriptions within this programme contain everything you need for planning, teaching, tracking and assessing your students progress in one place.

What’s in Pearson International Primary Science ActiveLearn?

- 6 front-of-class Student Books allocatable to students
- 6 front-of-class Workbooks allocatable to students
- Over 200 lesson plans
- Over 100 resource sheets

Plus, videos, interactive experiments, quizzes plus allocatable and self-marking games.
Professional Development

Designed for both specialist and non-specialist teachers, Pearson International Primary Science Professional Development course will show you how to use our brand-new programme to deliver great science lessons and help learners grow into enthusiastic and competent young scientists, ready for Lower Secondary and International GCSE.

The course will specifically help you to:

- Understand the structure and resources available in our brand-new programme
- Explore its main features and how to use the resource to enhance teaching and learning
- Enhance lesson delivery by engaging and participating in learning activities
- Understand how to assess your learners’ progress.

Find out more at: pdacademy.pearson.com

Foundations for success

Pearson International Primary Science ensures seamless progression to Lower Secondary and International GCSE. We have a range of resources available to help you prepare your students for success in Pearson Edexcel’s world class qualifications.

For more information about resources from Pearson visit pearsoninternational-schools.com

iProgress

Pearson International Primary Science is part of the 5-11 suite of resources from Pearson Edexcel’s iProgress family, our complete series for 3–19 year-olds in international schools.

The iProgress family includes iPrimary, iLowerSecondary, International GCSE (IG), GCSE, International Advanced level (IAL) and GCE A level, and delivers a consistent learning journey for students and teachers, everywhere in the world.

For more information about iProgress with Pearson Edexcel visit qualifications.pearson.com/iprogress
Pearson International Primary Science

Next steps:

- Sign up to a 60-day free trial or download you free samples at: pearsoninternational-schools.com/iprimaryscience

- Contact your local educational consultant at: pearsoninternational-schools.com/contact

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