

The logo for 'Science Bug' is presented in a stylized, bubbly font. The word 'science' is in a light blue color with a white outline, and 'bug' is in a darker blue with a white outline. The letters are set against a green, leaf-like shape. The 'i' in 'science' has a star above it, the 'e' has a planet, and the 'u' and 'g' in 'bug' have lightning bolts above them. The 'b' and 'g' also contain small white bug silhouettes.

science bug

Hands-on science for
today's curious kids



Hands-on science for today's curious kids

Science Bug is an exciting hands-on science programme designed for today's curious kids.

It's written for the **2014 primary science programme of study** by an expert author team, to help you spark imagination, fuel curiosity and nurture inspired and confident young scientists.

Written by an expert author team:

Anne Goldsworthy,
Deborah Herridge,
Debbie Eccles and
Tanya Shields.

Why Science Bug?

- ✓ Packed with fun, hands-on activities, videos and animations to **excite and motivate children**.
- ✓ Built on a really robust teaching and learning cycle to **ensure all children progress in their learning**.
- ✓ Everything you need to **instil scientific confidence** and inspire a **love of science**.
- ✓ **Support and guidance on key science concepts** for you to dip into and use in a way that works for you, whatever your level of expertise.
- ✓ Integrated Progress and Assess tools help you build a **complete picture of a child's progress** and attainment.
- ✓ **Affordable annual subscriptions** tailored to your school size.

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The first time I used it I felt like a pirate inspecting a treasure chest.

John Dabell, Primary Teacher and trained Ofsted Inspector

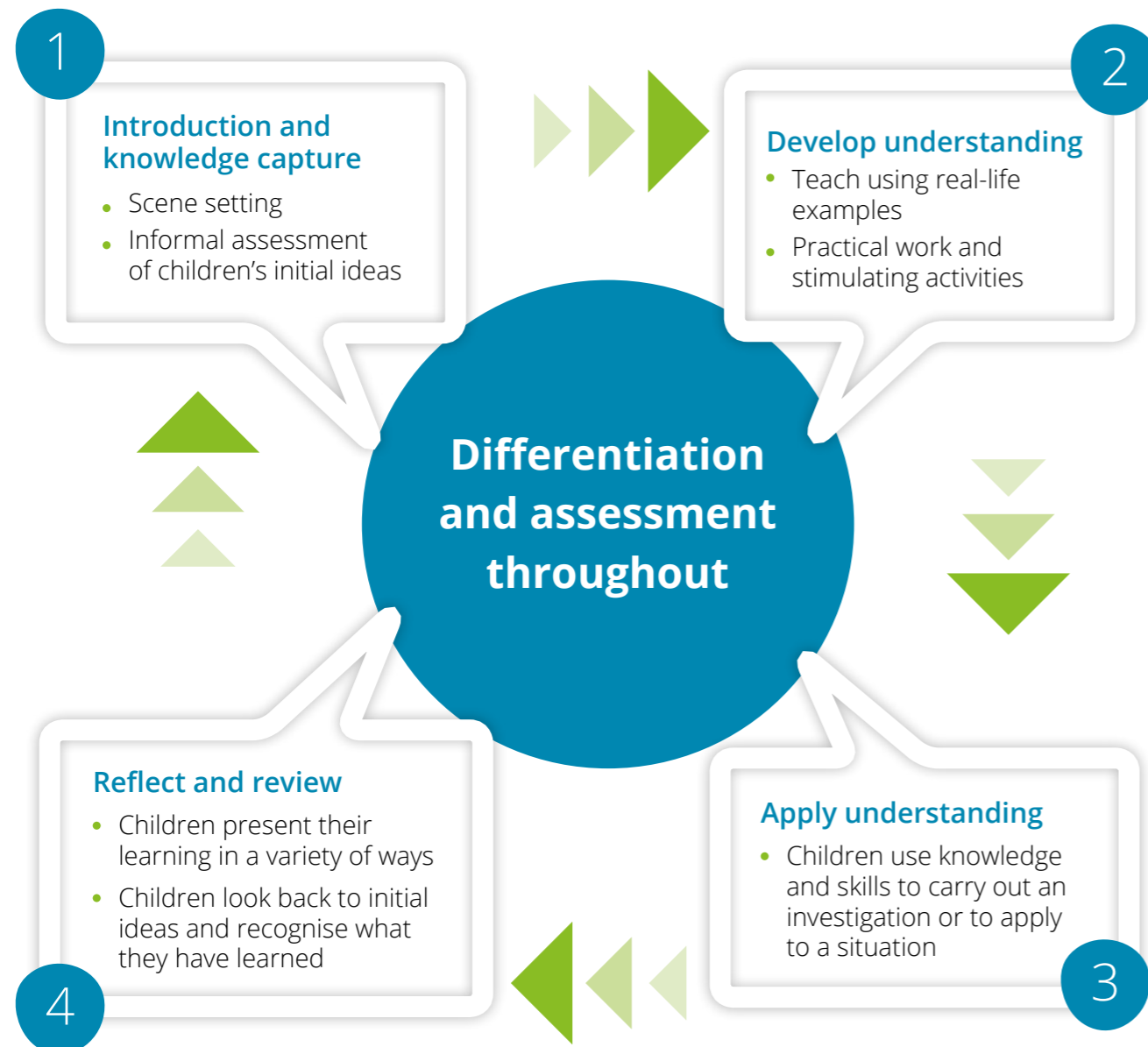
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How does it work?

We know that children construct their understanding of the world through **experience**. In order to make learning real, children need to explore, ask questions, and assess their understanding.

Science Bug is crafted on a robust teaching and learning cycle that puts children and hands-on, active learning at its heart.



“ Science Bug has really helped us to evolve our understanding of science as a school and make science a priority for development.

St Luke's Church of England School, Camden

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Online Teacher Toolkit

A clever toolkit that gives you all the lesson plans and teaching resources you need to help you inspire confident young scientists. It's also packed with support and guidance for you to use in a way that's right for you.

Pupil Books
For independent practice.

Online Pupil World
Filled with fun rewards.

Professional Development
To help you make science real and hands-on for your children.



How is Science Bug organised?

To support you in delivering the science programme of study and to free you up to focus on what you do best, we've woven together the **working scientifically skills** and the **knowledge objectives** to form **six half-termly units per year group**.

Year 1/P2

- Parts of animals
- Changing seasons
- Plants
- Comparing materials
- Types of animals
- Identifying materials

Year 2/P3

- Living things
- Uses of materials
- Growing plants
- Changing shape
- Habitats
- Feeding and exercise

Year 3/P4

- Movement and feeding
- Light and shadows
- What plants need
- Rocks and soils
- Parts of plants
- Magnets and forces

Year 4/P5

- Dangers to living things
- Electricity
- Human nutrition
- Sound
- Grouping living things
- Changes of state

Year 5/P6

- Life cycles
- Earth and space
- Separating mixtures
- Types of change
- Materials
- Forces

Year 6/P7

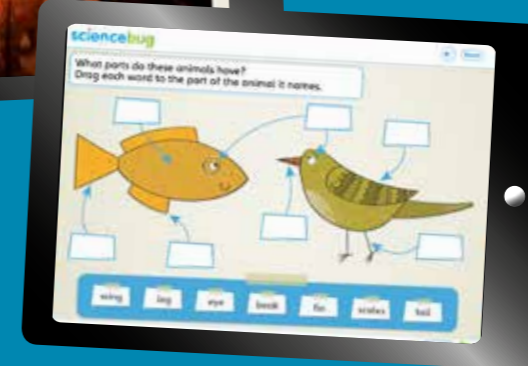
- Our bodies
- Light and sight
- Classifying living things
- Changing circuits
- Evolution and inheritance
- Review and celebration

Note: This list of units is in the same order that they are laid out in the National Curriculum for each year group, but is not a reflection of the order they need to be taught in.

What's in Science Bug for children?

For children, Science Bug contains **beautifully designed Pupil Books** for independent work and science skill preparation. Plus, there's practical investigations and outdoor learning to get kids doing science with their own hands.

An online world where children can access allocated resources and get rewards for their work.



iPad-friendly Interactive Teaching Resources can be allocated to children for recapping at school or at home.

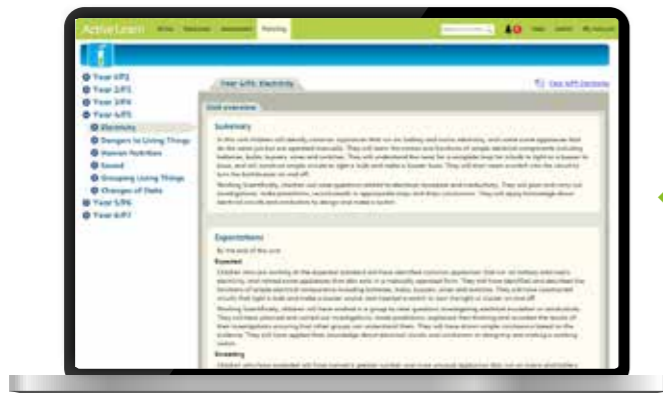


What's in Science Bug for teachers?

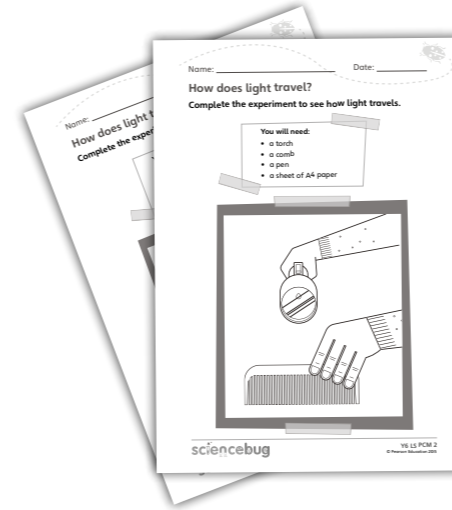
The Science Bug teacher toolkit gives you everything you need online and in one place to help you inspire confident young scientists.



Hundreds of Interactive Teaching Resources containing videos, animations and fun activities.



Access all your plans and teaching resources online and in one place.



Printable Photocopyable Masters to support lessons and investigations.

Integrated Progress and Assess tools help you build a complete picture of a child's progress and attainment.

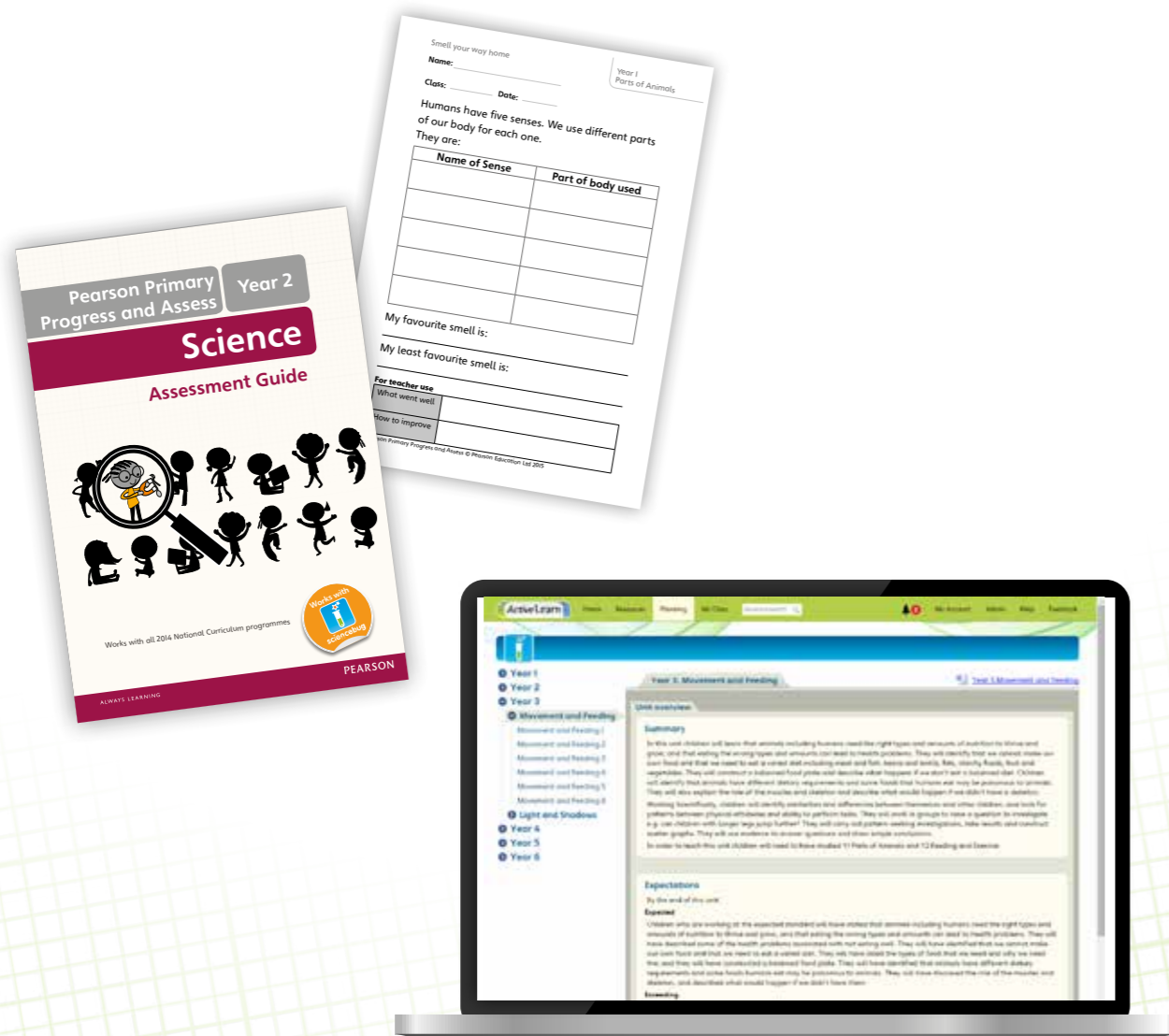


Open-ended 'Quest' units give children a problem-solving investigation to complete.

Assessment

Formative and summative assessment is at the heart of the Science Bug teaching and learning cycle:

- **Unit overviews and learning expectations** set the scene for what children will have learnt by the end of a unit.
- **'Knowledge capture' activities** help you assess children's knowledge at the start of a unit.
- Regular opportunities for **children to reflect on their learning** allows for formative assessment throughout.
- **End of unit summative written and practical activities** to assess children's progress.
- **Tracking and reporting tool** for capturing how a child has performed against Age Related Expectations.



Professional Development

The Science Bug Professional Development course is an inspirational and practical half-day course. In the session you and your colleagues will explore:

- ✓ How to make science real, hands-on and awe-inspiring for your children using your Science Bug resources
- ✓ How to encourage scientific confidence and nurture a love of science with Science Bug
- ✓ How to assess both the knowledge objectives and the working scientifically skills.

“ Even our most confident teachers are still using the ideas and resources from Science Bug because they're so good. Science Bug provides activities for every lesson – not just worksheets, but things that develop awe and wonder, which is key for science. ”

St Luke's Church of England School, Camden





Try free samples and register for a free demo

Visit www.pearsonprimary.co.uk/trysciencebug to try two free units with your class. You can also register for a free demo of Science Bug in your school.



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