



An innovative new online resource for science teachers

Students' misconceptions about core areas of science are a significant barrier to learning and overcoming them can be a challenge.

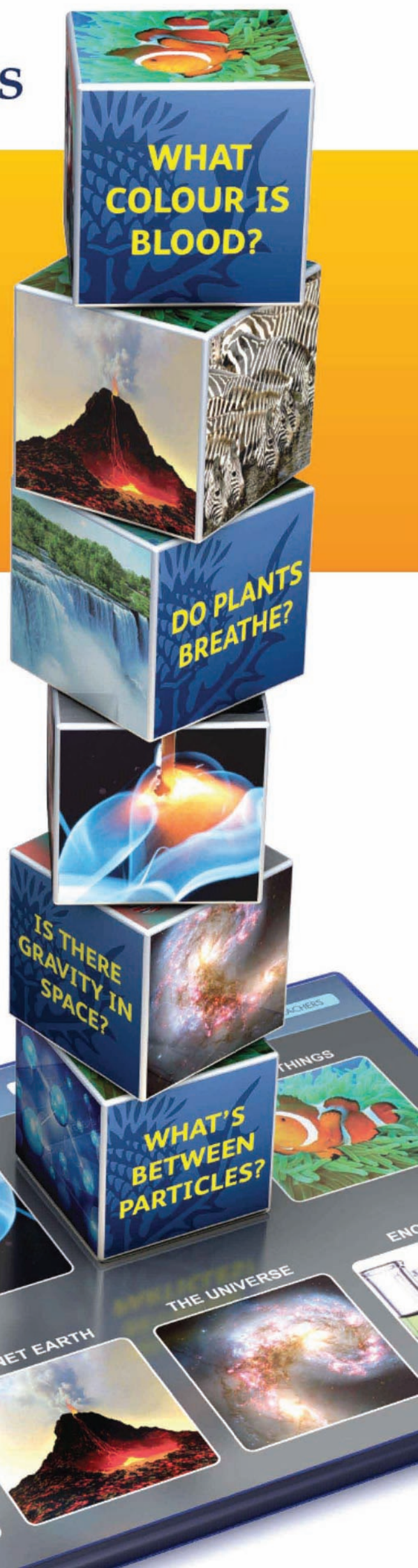
Developed in response to feedback from teachers, **Britannica Pathways: Science** can help.

Covering 100 important topics that students traditionally find difficult, **Britannica Pathways: Science** is an innovative new online resource that supports effective teaching of science for 11-14 year olds.

*“Because misconceptions are so deeply ingrained it is very difficult to clarify them. ... It takes a lot of careful teaching to unpick a wrong idea... A poorly understood idea can block learning as far as KS5.”**

*“It takes a lot of time to convince students that their misconceptions are wrong before you can get them to understand the correct idea.”**

*“Students apply misconceptions to further learning and end up confused, then give up on science because they think it is too difficult.”**



● **Challenge students' ideas**

Tackle major misconceptions head-on with ready to use resources.

● **Step-by-step approach to enquiry-based learning**

From initial classroom discussion of probe questions, students learn how to develop hypotheses, dig for evidence, evaluate data, and reach informed conclusions.

● **Access to trusted content**

Offers direct access to rich and reliable content from Britannica Online: School Edition.

● **High curriculum relevance**

Covers misconceptions across the curriculum – Materials, Forces and Motion, Energy, Light and Sound, Living Things, Inheritance and Evolution, The Environment, Planet Earth, The Universe and Enquiry.

● **Search by topic**

Teachers can choose from a huge range of activities and materials relevant to the curriculum at Key Stage 3 (England, Wales, Northern Ireland) and Standard Grade (Scotland).

● **Ideal for classroom use**

There's no limit on the number of simultaneous users, and Britannica Pathways: Science is fully compatible with technologies such as interactive whiteboards and virtual learning platforms.

● **Great for homework**

Setting follow-up homework assignments is easy – and no marking is required!

● **Regularly updated**

Material will be regularly reviewed and updated.

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A unique step-by-step approach that promotes understanding of core areas of science and the development of invaluable research and evaluation skills...



*“Picking up on students' misconceptions before teaching a topic is essential in order to be able to best 'correct' them.”**