

Understanding chemistry through microscale practical work

By Bob Worley and David Paterson
with Sarah Longshaw

ISBN: 9780863574788

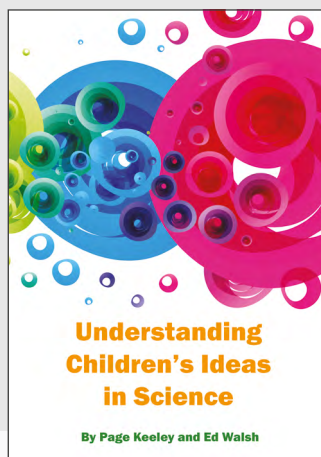
Age Range: 11-19

Member price: £17.00

Understanding chemistry through microscale practical work is a guide to, an explanation of, and we hope an inspiration for, the microscale technique. It provides an explanation of where and how microscale techniques can be incorporated into practical work, outlining suggested activities and extensions. It also discusses pedagogy and how using microscale can help students to learn and understand the chemistry that they are being taught. It is for all educators, regardless of experience, but more importantly, it is for their students.

Understanding chemistry through microscale practical work will be accompanied by a dedicated page on millgatehouse.co.uk where the authors will supply new resources, experiments and information.

'It is great to have all of this information together well organized in one place.'
Alfredo Mateius (Brazil)



Understanding children's ideas in science

By Page Keeley and Ed Walsh

ISBN: 9780863574740

Age Range: 7-11

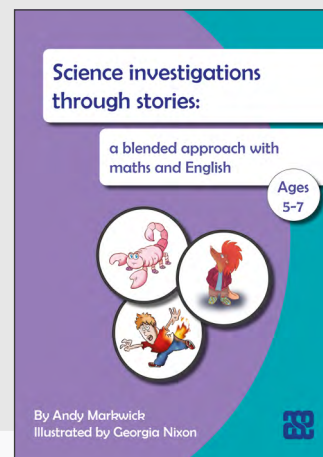
Member price: £21.25

When teachers are starting on a new topic in science it's important to see what ideas the children already have. If we can get children thinking, talking and sharing their ideas, we can learn a lot about how to pitch the following lessons.

This book contains 40 'probes', which are classroom ready activities across a wide range of science topics. Aimed at teachers of children aged from 7 to 11, the materials also include guidance on how to interpret responses, reference to research on misconceptions and suggestions as to how the insights gained can be used to plan follow-up lessons.

Drawing on the hugely successful American series 'Uncovering Students' Ideas', these probes have been adapted for use in a wide range of settings.

Understanding children's ideas in science is accompanied by a downloadable resource pack.



Science investigations through stories: A blended approach with maths and science

By Andy Markwick

ISBN: 9780863574757

Age Range: 5-7

Member price: £8.50

Experience the magic of exploring science with English and mathematics. This book is packed with child-centred investigations of the magic of exploring science, which are fun, engaging and highly relevant to the KS1 National Curriculum.

Each activity is introduced through a short and humorous story that asks for children's help in solving a problem. In doing so children are encouraged to work scientifically, collaboratively and apply English and mathematics knowledge and skills. The materials used in the activities are easily accessible, safe to use and cheap!

'This well structured book is the perfect text for introducing children to science investigation and helps to establish their mathematics skills.'

Saydi (KS1 teacher)

All books are available from
www.millgatehouse.co.uk

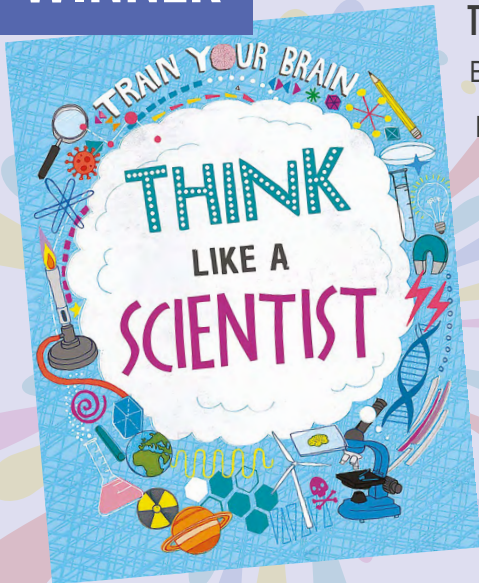
The 2021 ASE Book of the Year Award



As our annual conference was held online again this year, the winner of the 2021 ASE Book of the Year Award was once again announced during the Presidential Address by our current president Michael Reiss.

We are delighted to congratulate Alex Woolf and David Broadbent, whose book 'Train Your Brain to Think like a Scientist' was the overall winner. We are also pleased to congratulate Dr Dean Lomax whose book 'Prehistoric Pets' received our Highly Commended award. The two other shortlisted runners-up should not be forgotten and are also listed below. Full details of all four books were featured in the November 2021 issue of *EiS*.

WINNER



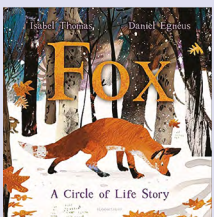
Train Your Brain: Think Like a Scientist

By Alex Woolf and David Broadbent

ISBN: 9781526316648

What the judges thought: This book gives children exactly what they need to know about the process of science – how science is ‘done’. Each section of the book takes you through the process of a scientific investigation and it doesn’t shy away from using the correct terminology. It provides good advice on how to formulate a scientific question and that mistakes or negative results from experiences can be just as useful as positive ones. All in all this is a book that will please the curious child and help them understand that science can be creative as well as systematic.

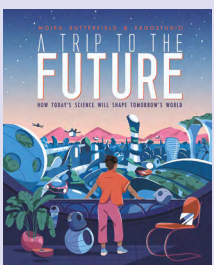
RUNNERS-UP



Fox – a circle of life story

By Isabel Thomas & Daniel Egnéus

ISBN: 9781522600776



A Trip to the Future. How today's science will shape tomorrow's world

By Moira Butterfield and Fagostudio
ISBN: 9781787415751

HIGHLY COMMENDED



Prehistoric Pets

By Dr Dean Lomax, illustrated by Mike Love

ISBN: 9781787415331

What the judges thought: As pop-up books go this is a beast of a book. It looks at the evolutionary past of some of today's most common pets, like a guinea pig, a cat and a budgie. It creates the links between long extinct species that we only find now as fossils and their modern relatives. Linking a velociraptor to a budgie may seem like a stretch, but in the hands of an experienced palaeontologist like Dr Lomax, you can see how the dinosaurs are still with us in the form of the birds we see everywhere. It's packed full of facts and the pop up prehistoric creatures are great. I can see many young interested children enjoying the evolutionary history of their favourite pet.