

Science for excellence

This book approaches science in the same way as A Curriculum for Excellence: both place science enquiry right at the heart of the subject (see ACfE's science wheel below). Too many young people have been turned off science by an emphasis on difficult concepts and memorisation of facts: through this book children can experience the joy of finding out and understanding for themselves – not just the 'wow' factor, but the 'hey, cool' one as well!

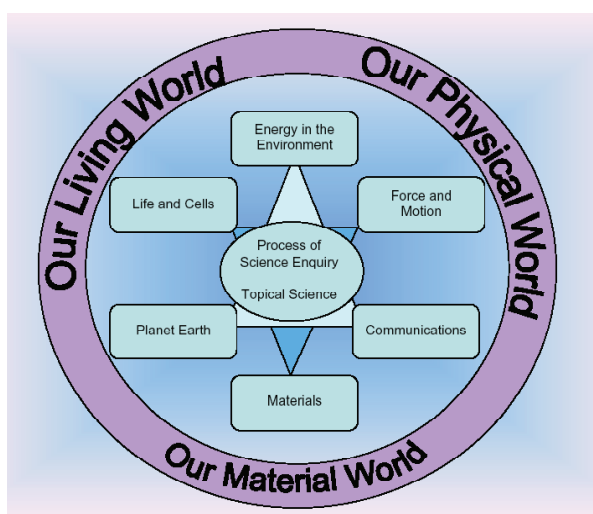


Diagram used with permission from the Scottish Government

Using ACfE's categories, the book's activities can be mapped as follows:

1) Planet Earth

Who's been eating my boot?	10
Farmer Giles	12
Animal hide-and-seek	16
Bird table	18
How do plants drink?	22
Creating a plant jungle	24
Take a closer look!	26
Jack's beans	28
Seeds	30
What is soil?	60

2) Energy in the Environment

Nest building	66
Quiz show!	80
Hot weather	82

3) Force and Motion

Getting the balance right	42
The world's best parachute	44
Hungry Ivor	46
Whose car goes the furthest?	48
The lorries and the steep hill	50
The marble race	52

4) Life and Cells

Who stole the tart?	8
Mother Hubbard's bare cupboard	14
Eating plants	32

5) Communications

Shake, rattle and roll!	84
Making the best patterns	86
Overtaking shadows	88
Rescue us!	90
Rainbow wonders	92

6) Materials

The best bubbles in the world!	58
What is soil?	60
Cleaning the king's money	62
Mopping up	64
Nest building	66
Shoelaces	68
Wrapping parcels	70

Using this book as a framework means that every one of the six main areas of ACfE science can be covered – in a way that is interactive, experiential, creative and fun!

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