

# SMART SCIENCE

Flexible

Engaging

Cost-effective

Total **support** for every teacher

**Progress** for every student

2-year & 3-year schemes of work for **KS3**

No **year-on-year** costs

 **SmartLearning**



**NEW**  
app-based  
eBook



**NEW**  
Technician's  
Notes



**Assessment**  
you can  
rely on

**£££!**

The **BEST**  
value science  
resource  
available

# SMART SCIENCE



## About the series:

Help your students to ignite their enthusiasm for science. With one Student's Book for the whole of Key Stage 3 and full support for teachers, this new and improved series provides full coverage and a lively and fresh approach to the new 2014 curriculum.

### ● Flexibility – choose your route through!

Detailed schemes of work and helpful lesson maps for a 2-year or 3-year Key Stage 3 course. Whichever route you choose – separate or combined sciences – we have great support for every teacher.

### ● Assessment you can trust

The new assessment model, with its handy progress escalator, supports progression with or without levels! The model ensures you can track your students' progress in every lesson and throughout Key Stage 3.

### ● Working towards GCSE

Smart Science builds readiness and confidence for GCSE – over 200 Structured Questions supporting QWC, using GCSE command words, give your students practice at GCSE exam-style questions with Key Stage 3 content.

### ● Literacy, maths and working scientifically

Smart Science embeds activities, throughout the series, for literacy, maths, data handling and working scientifically.

### ● Support and extend

The resources support differentiation by allowing lower-ability students to access Science more easily and enabling higher-ability students to develop scientific concepts.

### ● Affordability – the most cost-effective solution!

The most affordable Key Stage 3 series providing quality resources for students' progress and total support for every teacher.

## The Smart way to assess...

Track progress, with or without levels, using the Smart Science Assessment Model that maps to **Bloom's taxonomy (2001)** and supports a **mastery curriculum**. Each activity follows the Smart Assessment Model, providing **full support to show students' progress** within the lesson and throughout Key Stage 3.

## Smart Science Knowledge & Skills Assessment Model

Attainment bands	Progress escalator	Old NC level equivalent	GCSE grade equivalent	Bloom's taxonomy
Learning	3	3	E	Remembering and Developing Understanding
	4	4	D	
Mastering	5	5	C	Applying and Analysing
	6	6	B	
Expanding	7	7	A	Evaluating and Creating
	8	8	A*	

Download your FREE unit, simply visit:  
[www.smart-learning.co.uk/freesmartscience](http://www.smart-learning.co.uk/freesmartscience)

## ✔ Student's Book

There is **one book covering all of Key Stage 3** (from only £9.99) designed to support your students in developing the knowledge and skills needed to progress to Key Stage 4.

- Written for the new 2014 curriculum
- Inspiring students of all abilities
- Fresh, engaging, easy-to-navigate design

### Each unit features:

- ✔ Prior knowledge
- ✔ Learning objectives
- ✔ Key words (linked to glossary and literacy activities)
- ✔ Opportunities for working scientifically, including data handling
- ✔ Thinking beyond – extension opportunities
- ✔ A variety of questions
- ✔ End-of-unit summary.

Smart Science Student's Book from £9.99\*



## ✔ Student's eBook (app-based)

Access an eBook app of the Student's Book from up to two devices per licence (for iOS and Android), **smartphone, iPad/tablet, computer, laptop.**

Once downloaded, this app does not need any wifi connection.

- ✔ Great for use in the classroom - on an interactive white board (IWB)
- ✔ Ideal for homework and revision – students can access the app wherever and whenever they want
- ✔ Fantastic personalisation – students and teachers can highlight, annotate and add their own notes to their eBooks



Smart Science Student's eBook app	1-year licence	from £1.00*
Smart Science Student's eBook app	2-year licence	from £1.75*
Smart Science Student's eBook app	3-year licence	from £1.99*

\*Per student, per year when purchased with a Special Offer Pack.

Contact us for  
a FREE trial!



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**2- or 3-year  
Key Stage 3:**

**2-year Key Stage 3.** Covers all content from the new Programme of Study  
Teacher's Handbooks 1 & 2

**3-year Key Stage 3.** Teacher's Handbook consolidates learning and skills  
Teacher's Handbooks 1, 2 & 3

Call us 01423 206200 or visit [www.smart-learning.co.uk/science](http://www.smart-learning.co.uk/science)

# ✓ Teacher's Handbooks (with Download) three for each year of Key Stage 3

Full support for all teachers providing: schemes of work, lesson maps, PowerPoints and editable worksheets delivered in three printed books (by science) and a DIGITAL DOWNLOAD for your department to share. The Handbooks include an assessment model for ALL teachers to track students' progress in every lesson and throughout Key Stage 3, with or without levels!

## Teacher's Handbooks

### Planning (included)

- A 2-year scheme of work which covers ALL the content from the new PoS in two years
- Resource map overview, matched to the Programme of Study
- Literacy, numeracy and working scientifically guidance
- Term introductions – giving an overview of each term's work

### Assesment (included)

- Progress escalator template
- Mark book template – to make logging students' results and progression easier
- Assessment sheets for self-, peer and teacher assessment – one per science, per term
- End-of-year synoptic tests (editable) featuring:
  - 6-mark QWC questions
  - GCSE command words

### Lessons (included)

- Lesson maps – giving invaluable support for every lesson
- Editable worksheets, with answers, to engage every student
- Editable resource sheets with Structured Questions, supporting QWC and featuring GCSE command words (including marking guides for teachers and progress escalators)
- Editable worksheets for practicals and investigations, including:
  - Student instructions
  - Marking guides for teachers (with progress escalator)
- Answers to questions in Student's Book
- Literacy PowerPoints

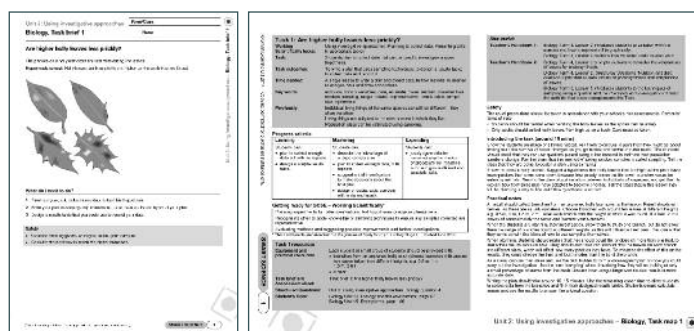


**Teacher's Handbook 1 (with Download)**  
£199.00

**Teacher's Handbook 2 (with Download)**  
£199.00

**Teacher's Handbook 3 (with Download)**  
£199.00

Interested? Try it our for FREE ...  
[www.smart-learning.co.uk/freesmartscience](http://www.smart-learning.co.uk/freesmartscience)



From the Task map and task brief (Biology, Task 1), Unit 2 Teacher's Handbook 3

## Teacher's Handbook 3

- Offers a number of teaching options providing a SoW for up to a 3-year Key Stage 3
- Focuses on consolidation of learning and skills development
- Skill-based tasks provided in Teacher's Handbook 3 are organised into 5 units:
  - Thinking scientifically
  - Using investigative approaches
  - Working critically with evidence
  - Using maths in science
  - Communicating in science
- All tasks focus on developing Working Scientifically skills in one particular area, while providing an opportunity to revisit key ideas and apply knowledge in new contexts.

- Each unit in Teacher's Handbook 3 provides:
  - An introduction - with mapping to the KS3 PoS and GCSE criteria, as well as general guidance on progressing that skill
  - Nine tasks (3 x Biology context – 3 x Chemistry context – 3 x Physics context)
  - Structured questions Biology, Chemistry and Physics contexts (with marking guides)
  - An end-of-unit test (with marking guide)
  - In addition, a synoptic end-of-KS3 test provides an assessment opportunity in readiness for KS4

### Each of the nine task consists of:

- A task brief – for students
- A task map – for teachers
- An assessment sheet – for self, peer and teacher assessment using the three attainment bands

# Smart Science Special Offers:

## 2-year Key Stage 3 Special Offer Pack



**ONLY £1,349**  
(saving £850)

## 3-year Key Stage 3 Special Offer Pack



**ONLY £1,499**  
(saving £900)

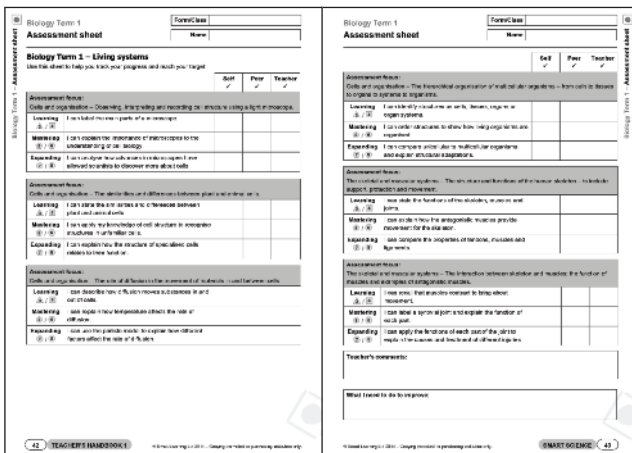
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**1-year £1.00**  
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**and**  
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(saving £850)

## Assessment:

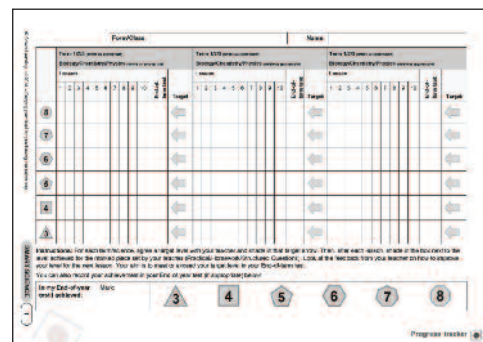
- A flexible approach to assessment, which allows you to track progress and attainment within the lesson for each student and report easily – with OR without levels
- Based on **Learning – Mastering – Expanding** (see [www.smart-learning.co.uk/freesmartscience](http://www.smart-learning.co.uk/freesmartscience)) and mapping to old NC levels, Bloom's taxonomy, GCSE grades and our progress escalator system through:
- Assessment sheets** – supporting self-, peer and teacher assessment by science discipline



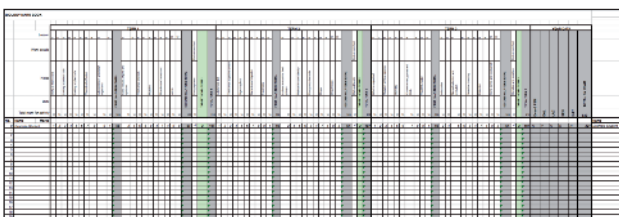
- Progress escalator** – based on old NC level with icon and descriptor



- Progress tracker** – for pupil target setting and monitoring



- Markbook** – this spreadsheet automatically calculates whether a student is performing under or over target taking the strain out of progress tracking and allowing you to report summarily for a class, student, year group, by science discipline or aggregated.



- End-of-term tests and marking guides** – summative test and marking guide by science discipline
- End-of-year tests and marking guides** – synoptic test and marking guide modelled on a GCSE examination paper

## Special Offer Packs

Offers expire 31 March 2016

### Smart Science 2-year Key Stage 3 Pack

- 100 x Student's Books and
- Teacher's Handbooks 1 and 2

**ONLY £1349**

or

**£1548 (inc. eBook)**

**Saving up to £850**

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- 100 x Student's Books and
- Teacher's Handbooks 1, 2 and 3

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