

# Teaching the new Science GCSEs

## Key changes to the new Science GCSEs

### Practical assessment

- Controlled assessment is being discontinued and at least 15% of the total marks available for each GCSE will be dedicated to practical skills

### An increased maths element

- Maths will account for 10-30% of assessment marks for single science (minimum of 10% in Biology, 20% Chemistry, 30% Physics) and 20% for combined (1:2:3 Biology, Chemistry, Physics).
- Foundation tier students must demonstrate maths skills at a minimum of KS3 Level and Higher tier students at a minimum of Foundation level GCSE Maths

### A linear course

- There are no modules, all assessment will take place at the end of Year 11

### New assessment objectives

- Assessment objective split:
  - AO1 (knowledge recall) – 40%
  - AO2 (application) – 40%
  - AO3 (analysis of information and ideas) – 20%

### New exams and grading system

- 9–1 grading system for Single Science
- Combined Science will have a 17 point grading scale, from 9-9, 9-8 through to 2-1, 1-1

### More challenging content:

- The level of content has increased, as has the level of challenge

## How our resources support you

- Build and test the skills students need for the new practical assessment
- Full support for practical work, including lesson plans, worksheets and technician notes, in the Teacher Packs
- Resources for each required practical are available on Collins Connect to help students consolidate and practise their learning

- A Maths Skills spread in every chapter provides support for applying maths to science
- Maths skills are embedded throughout and tested at the appropriate level
- Maths activities on Collins Connect help students practise the skills they need for assessment

- Monitor assessment using regular assessment and common review checkpoints
- A bank of summative assessment materials and tracking tools in Collins Connect help you track performance across the course and target areas for improvement

- Questions highlight which assessment objectives they are targeting
- Online digital testing on Collins Connect provides targeted feedback on student performance against each assessment objective

- Differentiated content throughout
- Colour coded indicator on each page shows the ramping of demand

- Written for the 2016 specifications
- Written by a team of expert authors, the Student Books have entered AQA's approval process and will be submitted to OCR for endorsement