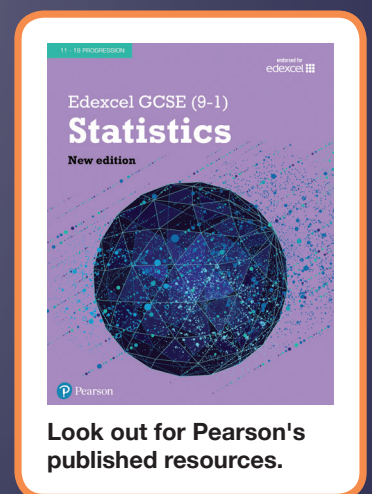


GCSE (9-1) Statistics

Statistics for the real world

Discover our new qualification for 2017





Edexcel GCSE (9-1) Statistics 2017

This guide provides an overview of our new Edexcel GCSE (9-1) Statistics specification.

We'll show you the highlights of the changes to the qualification, and how our new Edexcel GCSE (9-1) Statistics specification has been designed for the real world. We'll also introduce the high quality resources and support available to you to confidently deliver the new qualification.

- Straightforward assessment structure..... **page 4**
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Working with you

We have designed the new qualification to be co-teachable with Edexcel GCSE (9-1) Mathematics and to support students in acquiring transferable skills that they can use in a range of subjects. Our new style of questions has been tried and tested by over 250 students to give you maximum confidence at exam time.

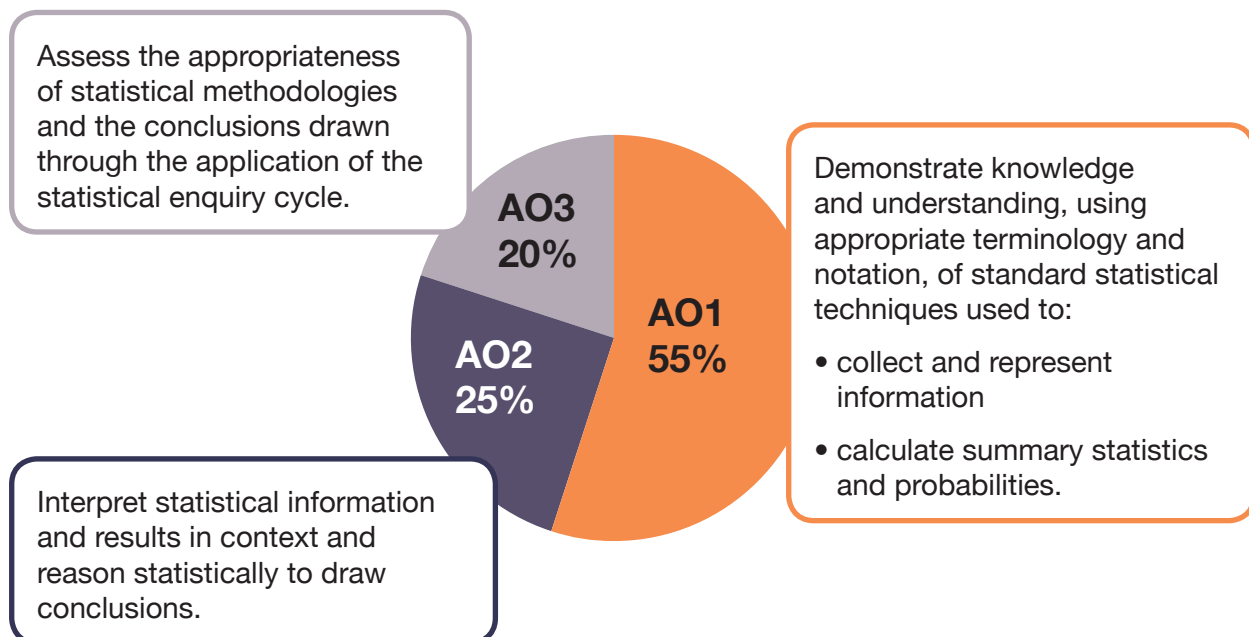
Next steps ...

Read through this guide, then turn to the back page for details of how to **sign up to teach** our new qualification and get specification updates, free support and event invitations.

Qualification at a glance

Our **Edexcel GCSE (9–1) Statistics** qualification consists of two externally examined papers at each tier. Students must complete all assessments at the same tier in May/June in any single year, and students can be entered for either Foundation tier or Higher tier.

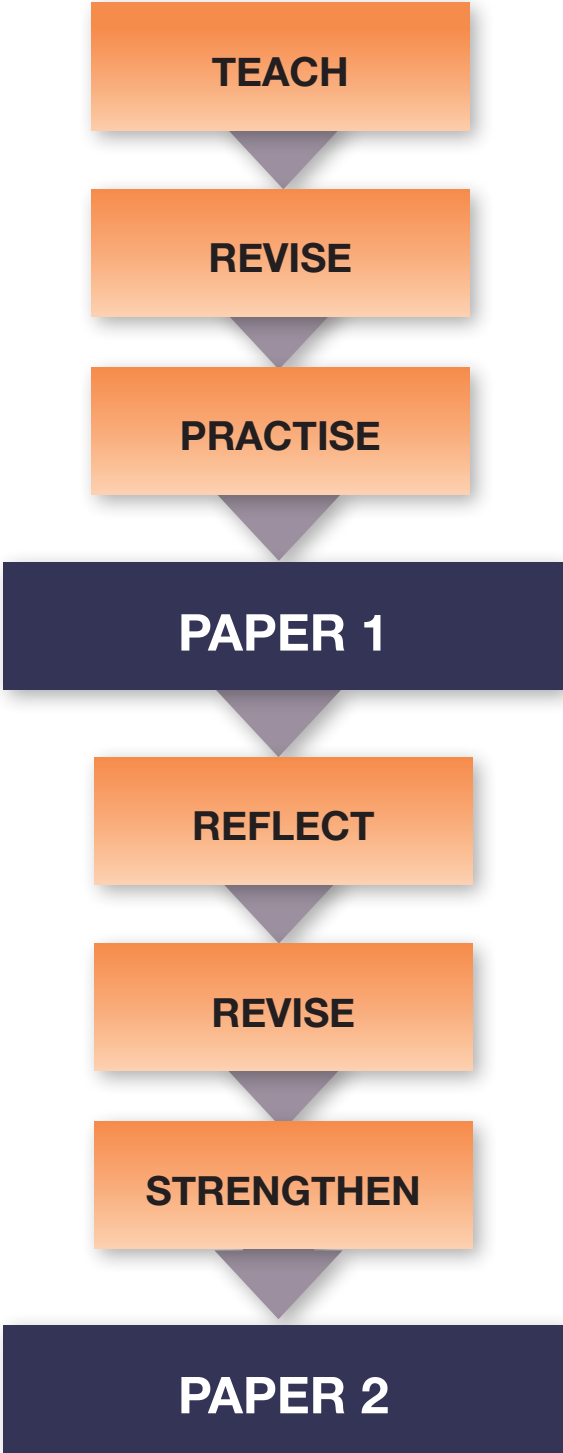
Paper 1 and Paper 2 are equal in time, weighting and assessment objectives	
Written examination. 🕒 1 hr 30mins ⚖️ 50% of the qualification (80 marks)	
Both papers focus on the same content and assessment objectives	
Range of content	Assessment overview
<ol style="list-style-type: none"> The collection of data. Processing, representing and analysing data. Probability. 	<p>The papers contain short, medium and extended response questions.</p> <p>Questions cover statistical methods, familiar and unfamiliar contexts and the component parts of the statistical enquiry cycle.</p> <p>Calculators may be used in both examinations.</p>



Straightforward assessment structure

The examination is split into two evenly weighted papers that focus on the same content and skills.

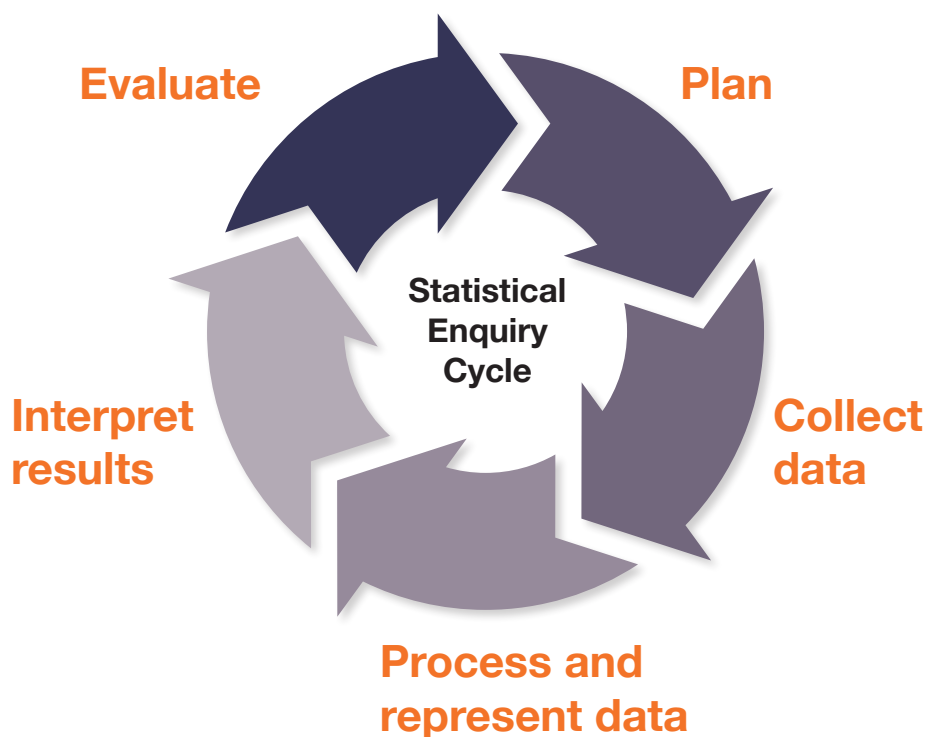
This gives students and teachers an opportunity after the first paper to reflect on the areas they need to work on in order to strengthen performance in the second paper.



Content that develops transferable skills

Our GCSE (9-1) Statistics qualification incorporates numerous examples of real-life data and contexts, which build skills that students will use in other subjects, such as science and geography.

Based on the principles of the statistical enquiry cycle, students gain a rounded understanding of how to interpret and apply data to a number of scenarios, both across subjects and in the real world.



Offering GCSE Statistics is the natural partner for reinforcing techniques in GCSE Mathematics and supporting progression to A level. It's why schools are delivering it in such diverse ways:

- Co-delivered with GCSE Mathematics.
- Self-standing as an option block.
- Taught as a 1 year, 2 year or 3 year course.
- Taught in lunchtime or after-school clubs.

Question papers that support a range of abilities

Students will find our assessments relevant and easy to read. Ramping of questions in both tiers and carefully constructed mark schemes will encourage them to achieve their full potential.

- Clear questions and presentation of statistical information helps ensure students understand the requirements within each paper.
- Real-life **statistical data** and contexts allow students to really engage with the content.
- Both papers are carefully **ramped in demand** across both tiers, ensuring weaker students can access some content and stronger students are sufficiently challenged

Example question from Higher Tier, Paper 2

10 The comparative pie charts give information about the numbers of people living in two national parks. They also show the age groups of the people.

The numbers of people living in two national parks

Lake District

Age group

- 0-19
- 20-39
- 40-59
- 60-79
- 80+

Snowdonia

(Source: ons.gov.uk)

(a) Compare the total number of people living in the Lake District with the total number of people living in Snowdonia. Explain how you reach your conclusion.

Questions that relate to real life

Skills transfer to other subjects, such as geography

Clear action words to help answer questions

A range of skills assessed across the paper

The angles at the centres of the circles for the 40–59 age group sectors are the same for both pie charts.

(b) Describe how the number of people aged 40–59 years in the Lake District compares with the number of people aged 40–59 years in Snowdonia. Explain how you reach your conclusion.

Gill is going to display these comparative pie charts in a report. The members of her target audience are not statisticians.

(c) What additional information could Gill include with the pie charts to help her target audience interpret the pie charts?

.....

.....



Clear and familiar course content and approach

Our course content has a familiar structure, helping you to get started with the minimum of effort. The clear approach will save you time and make planning and teaching as straightforward as possible. We'll also give you plenty of support, signposting where content is new or different.

- ▶ Content statements are presented with plenty of guidance, giving clarity of coverage and avoiding ambiguous meaning.
- ▶ We've structured our content so that it is familiar and follows the approach of our current specification, making it easier for you to find what you need.

Read our guidance on what students will need to learn in the specification: quals.pearson.com/stats2017

What's happening and when?

Spring 2017	Summer 2017	Autumn 2017	Autumn 2018	Summer 2019
What's happening				
Published resources* available		Start teaching new GCSE (2-year course)	Start teaching new GCSE (1-year course)	First assessments
What you can do				
Attend a free Getting Ready to Teach event	Attend a free Getting Ready to Teach event	Attend a free Getting Ready to Teach event		

Support and resources to help you plan, teach, track and assess

We've put together a package of support to help you plan and teach our new Edexcel GCSE (9-1) Statistics qualification, track and assess students' progress, and develop your own professional knowledge and skills.

Plan

Free support online

- ▶ **Getting Started Guide**
- ▶ **Mapping tables** from the current specification to the 2017 specification, as well as between the new GCSE (9-1) Statistics and GCSE (9-1) Mathematics
- ▶ Editable one and two-year **Course Planner** and a **Scheme of Work** to adapt to your needs.

Published Resources from Pearson*

- ▶ Student Book fully matched to the qualification's Scheme of Work

Develop

Free support online

- ▶ The Mathematics Emporium
- ▶ Getting Ready To Teach events
- ▶ Subject Advisor Team

Mathematics Emporium

If you haven't used the Mathematics Emporium before, it's a fantastic, free resource that teachers across the country love. Access the most up to date range of materials from our mathematics expert, Graham Cumming.

Accounts are easy for teachers to set up. It's also the place to find schemes of work, specifications examiners reports and more.

Sign up for a free account today at: www.edexcelmaths.com

Find out more about our free support at
quals.pearson.com/stats2017

Teach

Free support online

- ▶ Teaching points and common misconceptions
- ▶ Support for the statistical enquiry cycle

Published Resources from Pearson*

- ▶ Student Book
- ▶ Institutional ActiveBook subscriptions
(an ebook version of the Student Book)

Track and assess

Free support online

- ▶ Plenty of free specimen papers
- ▶ Student exemplars with examiner commentary

ResultsPlus

Analyse your students' exam performance with our online ResultsPlus service.

quals.pearson.com/resultsplus

examWizard

Find past papers, mark schemes and examiner reports online in examWizard

quals.pearson.com/examwizard

Published Resources from Pearson*

- ▶ Pearson Progression Services (assessments mapped to the qualification's Scheme of Work with online markbooks to track student progress)

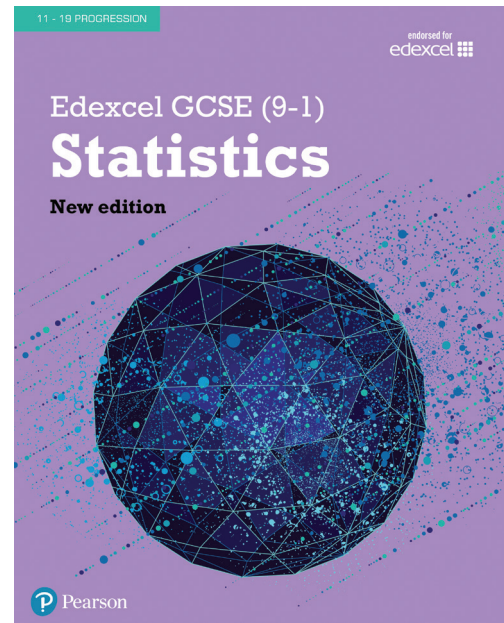
*These resources are not yet endorsed. You don't have to purchase any resources, including those from Pearson, to deliver our qualifications.

Published resources*

Our paid-for resources will be available from early summer 2017 and include:

▶ Student Book

- retains all the features that teachers and students know and love about the current book, including plenty of worked examples, practice exercises and exam-style questions
- fully updated to match the new specification, with an increased focus on the statistical enquiry cycle and lots of real-life examples
- aligned with the qualification's Scheme of Work and mapped to GCSE (9–1) Mathematics, giving you a coherent approach to teaching and learning, whichever delivery route you choose
- uses an innovative unit structure to challenge students who master the topic and offer extra support for those who need it.



▶ Institutional ActiveBook subscriptions (an ebook version of the Student Book)

▶ Pearson Progression Services (assessments mapped to the qualification's Scheme of Work with online markbooks to track student progress)

▶ Revision Guide

▶ Revision Workbook

Ensure you're kept up to date as the resources get closer to publication by registering at quals.pearson.com/statsresources

*These resources are not yet endorsed. You don't have to purchase any resources, including those from Pearson, to deliver our qualifications.

Key changes to the qualification

What's changing?

These changes apply to all awarding organisations' specifications.

Assessment changes

- Removal of controlled assessment - now 100% examination.
- Understanding of the statistical enquiry cycle will be assessed via written exam.
- General increase in the level of demand and challenge, including extended response questions.

Content changes

- Increased exam emphasis on knowledge related to data collection.
- Expectation that students will use correct statistical terminology and notation including formal notation for probability.
- Some new topics at each tier, especially at Higher tier.
- Some additional formulae to be used, or learnt and used, at each tier.
- Overlap with GCSE Mathematics reduced.

Subject support

If you have any questions, Graham is our resident expert and always happy to help. Sign up to receive emails to keep up with the latest information on training events, news, government announcements and more.



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Graham Cumming
Subject Advisor

Next steps...

Sign up to teach

Edexcel GCSE (9-1) Statistics

If you're interested in teaching our qualification, sign up to get our specification updates and support at:

quals.pearson.com/teachstats

For general enquiries, information and support, we're here to help.

 020 7010 2174

 TeachingMaths@pearson.com

 [@emporiummaths](https://twitter.com/emporiummaths)



Reserve your FREE Evaluation Pack

Find out more about our new published resources and reserve your FREE Evaluation Pack at:

www.pearsonschools.co.uk/gcsestats

