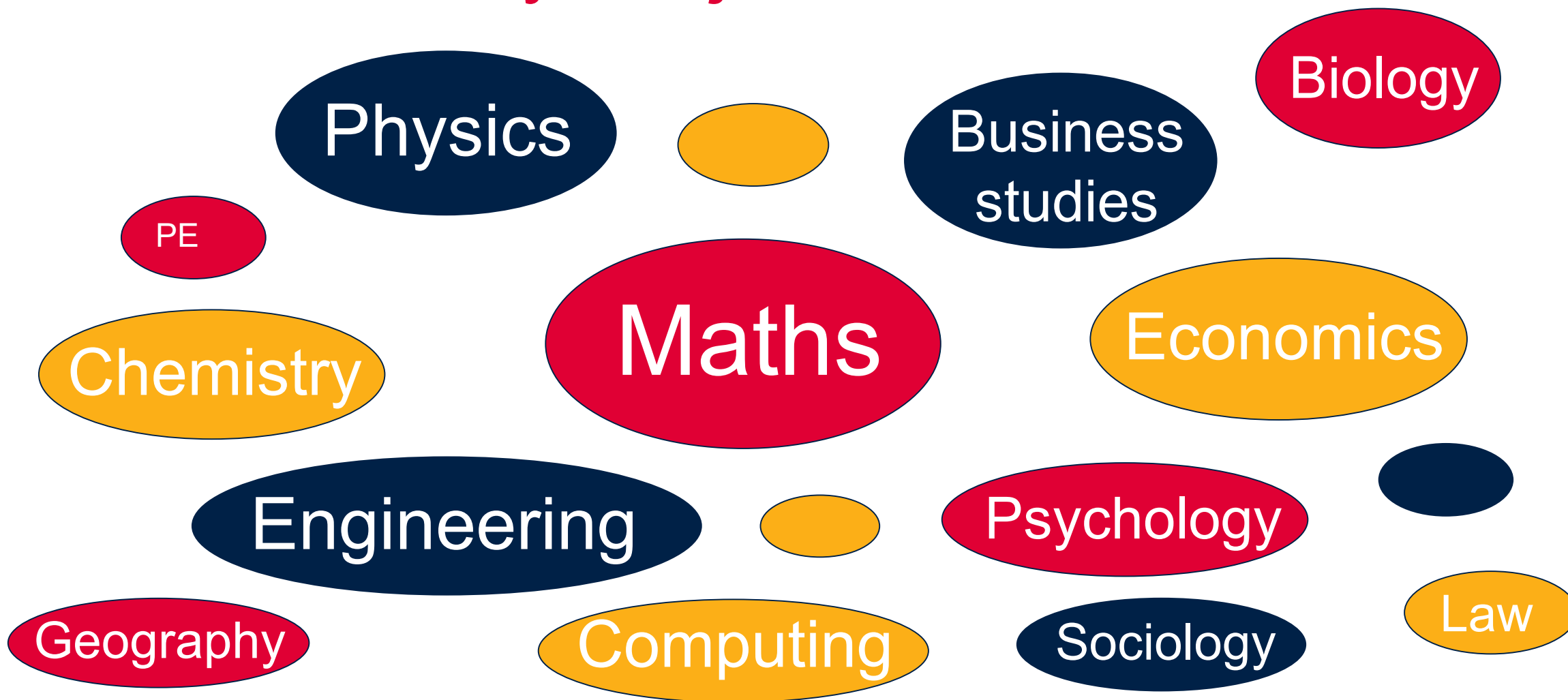


Many subjects use maths



What is Core Maths?

Versatile qualification equal in size to an AS level

Maths you will face in life
and in the workplace



A course that will develop valuable
mathematics skills

Supports the learning of maths in other courses

Excellent preparation for university

Interesting, engaging and relevant to the world we live in

For any student with at least a GCSE Mathematics grade 4

Maths in other A levels



Geography

(no specific percentage but geographical skills include quantitative and qualitative skills equally)



Economics

(at least 20%)



Biology

(at least 10%)



Business

(at least 10%)



Psychology

(at least 10%)



PE

(at least 5%)



Sociology

(no specific percentage but you will be analysing data)

Comment from Examiner's report for A Level Psychology

“A significant number of candidates did not attempt this question and centres would be advised to ensure that candidates spend time learning this type of question as it is a clear mathematical expectation of the specification

Students may have been less comfortable in their knowledge of correlational research methodology”

Comment from Examiner's report for A Level Biology

“A significant number did not read the key on the graph correctly

Very few students used the given information about the standard deviation to comment on the significance of difference”

Comment from Examiner's report for A Level Geography

“This first three elements of this calculation were generally completed successfully...”

However, the last element certainly discriminated effectively, with very many candidates unable to complete the ASEAN GDP per capita calculation successfully.”

Topics in Biology, Geography and Psychology	Covered in Core Maths Specs?
Numerical Computation (% , fractions etc)	All
Central Tendency and Spread	All
Simple probability (significance)	Some
Correlation	Most
Characteristics of distributions (skew)	Some
Types of Data	All
Histograms	All
Statistical Tests	Some

What is Core Maths like?

How much domestic water does the UK require every year?



A newly qualified teacher earns £23,000 per year, has no student loans, and pays 7.4% of their salary into a pension scheme. What is the teacher's net monthly salary after tax and national insurance contributions?

A genetic disease occurs in one in every 10,000 people. A test for the disease is accurate 98% of the time. If you are tested and the result is positive, what are the chances of you actually having the disease?

The speed of cars driving down a road with a speed limit of 50mph is recorded. The mean speed was 47mph and the standard deviation of the speeds 5mph. What percentage of the cars were breaking the speed limit?

University entry requirements

Look at the entry requirements on an individual university's website for the degree subjects that you might be interested in



In some cases a **qualification in Core Maths will reduce the grades required for entry** to a degree course in a related subject

Visit
www.ucas.com
for additional
information

Exemplar University Alternative Offers

Typical offer A level	Alternative offer A level
A*AA	AAA
AAA or A*AB	AAB
AAB	ABB

- Applies to all degrees that **do not require** A level Maths
- For students achieving a **grade B** in **Core Maths**
- Or grade B in AS or A level Maths or AS or A level Statistics if studied in addition to 3 subjects.

Courses: Architecture, Business Courses, Biosciences, Chemistry, Pharmacy, Education, Health and Sport degrees, Languages, Politics, Psychology, and Social Sciences

The University of Sheffield

BSc Psychology: AAB including 1 specified science, or ABB, including 1 specified science + A in Core Maths

BSc Quantitative Social Sciences: ABB or BBB + B in Core Maths

BA Architecture: AAA with at least one acceptable subject, or AAB with at least one acceptable subject + B in Core Maths

BSc Biomedical Science: AAB, including two science subjects, or ABB, including two science subjects + B in Core Maths

The University of York

If you achieve B or higher in Core Maths, you may be eligible for an alternative offer up to one A level grade (or equivalent) below our typical offer.

This applies to a wide range of courses including Biology, Business and Management, History of Art, Midwifery Practice, Music, Philosophy, Social Work

Some universities show their recognition of the importance of level 3 maths qualifications through the admissions information on their websites for some degree courses.

The following universities make alternative offers to students with **Core Maths** qualifications, who apply for some of their degree courses.

- Aston University
- University of Bath
- University of Essex
- University of Exeter
- University of Huddersfield
- Keele University
- Lancaster University
- University of Leeds
- University of Sheffield
- University of York

These universities recognise the benefits students gain from taking Core Maths, which will not only support their university studies, but also their future career and employment.

Other universities, whilst not making formal reduced offers, do offer strong encouragement for the study of Core Maths and recognise its usefulness in preparation for their degree courses. For example:

Universities that encourage pupils to take core Maths:

Cambridge

Coventry

Goldsmith's College *

Kings College *

Queen Mary College *

Liverpool

Loughborough

Plymouth

*University of London

Further details can be found at

<https://amsp.org.uk/universities/university-admissions/alternatives-admissions/>

Summer Task

- The Maths department have tasks that support a good start to Core Maths. These are available through the Integral website and provide feedback for you that will generate a certificate for each unit of work that is completed.

- Registration for Core Maths activities