

# Curriculum Guide Secondary

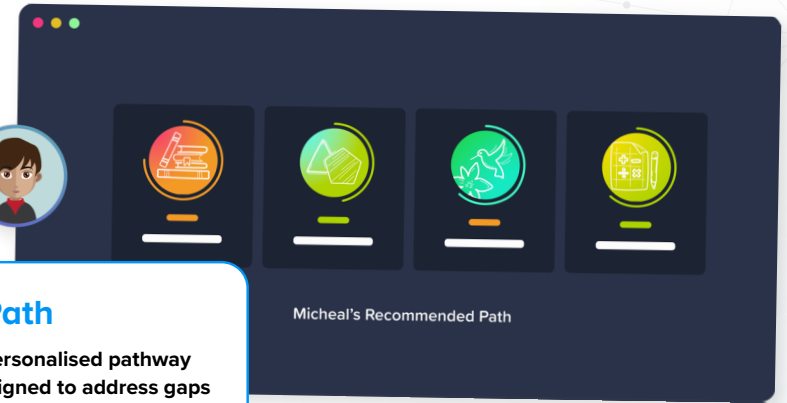
# About CENTURY

CENTURY is a learning platform that uses artificial intelligence to personalise learning for every learner. Our team of experienced teachers have created all of our content for English, maths, science, geography and physical education from years 2 to 11, as well as functional skills content for post-16 learners. All courses are aligned to the national curriculum and national standards.


- ✓ Learning materials and questions for primary, secondary and post-16 learners
- ✓ Tailored to each learner's skills and knowledge
- ✓ Powered by the world's leading adaptive learning platform
- ✓ Web-based learning for tablets, laptops and desktops



# How does CENTURY work?




Micheal's Recommended Path




### Diagnostics

Learners begin by completing diagnostics that quickly identify knowledge gaps and misconceptions, and help CENTURY recommend the best learning materials for each individual learner.




### Recommended Path

This constantly adapting personalised pathway contains micro-lessons designed to address gaps in knowledge, provide stretch and challenge and promote long-term memory retention.




### Leadership Dashboard

Senior and middle leaders get an overview of performance and engagement on a subject, class and learner level.




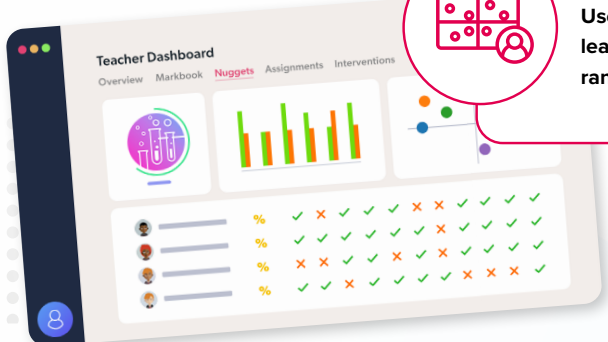
### Achievements

Learners get rewarded with badges and streaks for completing micro-lessons or for using CENTURY over a certain period of time to increase their motivation and engagement.




### Automated Marking

Teachers can view data in real time, to help quickly identify which learners require additional support or further stretch.



### Teacher Dashboard

Use the markbook to monitor individual learners and whole-class trends with a range of dashboards.



### Learner Dashboard & Guardian Portal

Learners can identify their strengths and areas for improvement. Parents and guardians can monitor their learner's progress, completed work, and see work set.

# Course Coverage

	Primary	Secondary					Further Education
	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11
<b>English</b>		English Language KS3					
		English Language KS3 Reading					
		English SPaG Secondary					
		English Literature – Shakespeare Courses					
				English Language GCSE			
				English SPaG GCSE			
				English Literature – Poetry			
				English Literature – Modern Prose & Drama			
				English Literature – 19th-century Novels			
				English Second Language IGCSE: Cambridge			
<b>Maths</b>		Mathematics Secondary (F+)					
		Mathematics Secondary (F)					
				Mathematics Secondary (H)			
				Mathematics IGCSE: Cambridge (Core)			
				Mathematics IGCSE: Cambridge (Extended)			
				Mathematics IGCSE: Edexcel (F)			
				Mathematics IGCSE: Edexcel (H)			
						Bridge to A-Level	
<b>Science</b>		KS3 – Biology, Chemistry & Physics					
				GCSE Biology (Exam Board Specific)			
				GCSE Chemistry (Exam Board Specific)			
				GCSE Physics (Exam Board Specific)			
<b>Geography</b>				Geography GCSE: AQA			
<b>PE</b>				Physical Education GCSE: AQA			
				Physical Education GCSE: AQA			
<b>Digital Skills</b>		Digital Skills Secondary					

# English Courses

## English Language KS3

Our KS3 English Language courses cover reading and writing skills across both fiction and non-fiction, including language, structure, analysis, text types and writing for purpose.

**Structuring your writing**

- Use a range of sentence structures and sentence lengths.
- Use paragraphs to organise your writing.

Dear Sir/ Madam,  
I am writing to apply for the position of waiter at The Cafe on Saturdays.  
Firstly, I would like to begin by stating how much I love The Cafe and that I would very much enjoy working here. I have always lived just down the road and have frequently visited The Cafe. The food is always delicious, the staff are unfailingly friendly and it is my favourite place to meet a friend for a cup of tea. I would make it my mission to help create the warm and welcoming atmosphere that I have always enjoyed so much.  
Secondly, I think that I would make an excellent addition to the staff. I am a very confident and hard-working person who has worked in a cafe for the last two years. I am a hard-worker, organised and reliable. I would make sure that the customers feel welcome from the moment they walk through the door. I would also like to apply to a hospitality and tourism course, so that I can gain more experience. I think that my experience at The Cafe would be invaluable to me.

**1 Comparatives and Superlatives**

Comparatives are used to compare two things.  
Superlatives are used to compare one thing with everything else in that group.

**Did you know?**  
Most adjectives have three forms: the absolute, the comparative and the superlative. You can often find these forms in a dictionary if they do not fit the regular pattern.

**CLEVER - adjective (C)**

Choose the simile below.

- The night sky was as black as coal.
- The sky was sunny and clear.
- There was a blanket of fog in the sky.
- It was such a sunny day. In fact, it was the sunniest day of the summer so far.

Incorrect  
No, this is a metaphor, not a simile. Remember to look out for the words "like" and "as" when deciding if a sentence includes a simile!

**correct answer**

**NEXT QUESTION**

**The four seasons can symbolise different stages of life:**

- Spring**  
represents childhood: just as children are growing up, plants and seeds begin to grow.
- Summer**  
symbolises adulthood: plants reach maturity - trees are in full bloom.
- Autumn**  
symbolises old age: the leaves on the trees turn golden brown, preparing to fall.
- Winter**  
represents death: all the trees are bare and all plant life is, essentially, dead.



English Language KS3



English Language KS3 Reading



English SPaG Secondary



English Language – Gothic Reading

[Download course content](#)

# English Courses

## Secondary English Language GCSE

Our GCSE English Language courses cover reading and writing skills across both fiction and non-fiction, including language, structure, analysis, text types and writing for purpose.



### English Language GCSE



### English Language GCSE: AQA

Specification: 8700



### English Language GCSE: Edexcel

Specification: 1EN0



### English Language GCSE: Eduqas

Specification: C700QS



### English Language IGCSE: Cambridge

Specification: 500



### English Language IGCSE: Edexcel B

Specification: 4EB1



### English Second Language IGCSE: Cambridge

Specification: 0510/0511



### English SPaG GCSE

[Download course content](#)

# English Courses

## Secondary English Literature - Shakespeare

Our literature courses explore plot, characters, themes, context, language, structure, form, and are suitable for all exam boards.

In act five, scene two, Friar Lawrence is visited by Friar John, who was supposed to deliver a message to Romeo telling him of the Friar's plan. He explains that he was unable to deliver the message.

Friar John

Leonato is pleased by the news, but believes it is too good to be believed. He says that they will pretend it is "a dream" until it has been confirmed. He instructs Antonio to inform Hero of the news, so that she is prepared for Don Pedro's proposal.

Theme - Misunderstanding

The character who overheard the conversation between Don Pedro and Claudio misunderstood...

Lysander & Hermia

There is a love story involving Hermia, Helena, Lysander and Demetrius. The fairies try to solve their love problems which causes chaos.

Helena & Demetrius

Lysander

Type the missing word from this quote.

The course of true love never did run \_\_\_\_\_.

Act One, Scene One

I DON'T KNOW

SUBMIT ANSWER



English Literature –  
A Midsummer Night's Dream



English Literature – Macbeth



English Literature –  
Much Ado About Nothing



English Literature – Romeo and Juliet

[Download course content](#)

# English Courses

## Secondary English Literature – Modern Prose & Drama

Our literature courses explore plot, characters, themes, context, language, structure, form, and are suitable for all exam boards.

When Mickey and Edward meet, what does Edward tell Mickey?

- a shoe
- a piece of paper
- a sweet

**Language**

The differences in Mickey and Edward's language highlight the differences in their class. Mickey uses swear words like "pissed off", whereas Edward uses typically middle class words, such as "smashing".

Edward Mickey

In chapter two, the reader first meets Napoleon. What are our first impressions of this character?

- He is a quick, smart character who is always thinking up new ideas.
- He is quite an aggressive, intimidating bully.
- He is a cunning character who can twist the truth.
- He is an impressive, likeable character.

**Analysis**

By the end of the novel, there is no equality left on the farm.

The pigs have assumed complete control.

In the final commandment, we see how the pigs use language to trick the other animals into thinking that there is still equality on the farm. However, it is clear the pigs hold all the power.

The new commandment shows that any dreams of equality have disappeared.

All animals are equal but some animals are more equal than others  
Chapter ten

Squealer Napoleon



**English Literature –  
An Inspector Calls**



**English Literature – Animal Farm**



**English Literature – Blood Brothers**

[Download course content](#)



# English Courses

## Secondary English Literature – 19th-century Novels

Our literature courses explore plot, characters, themes, context, language, structure, form, and are suitable for all exam boards.



**English Literature –  
A Christmas Carol**



**English Literature – Jekyll and Hyde**



**English Literature –  
The Sign of the Four**

[Download course content](#)

# English Courses

## Secondary English Literature - Poetry

Our literature courses explore plot, characters, themes, context, language, structure, form, and are suitable for all exam boards.



English Literature –  
Love & Relationships: AQA



English Literature –  
Power & Conflict AQA



English Literature –  
Much Ado About Nothing



English Literature – Unseen Poetry

Download course content

# English Courses

## Functional Skills

Our functional skills courses cover the knowledge and skills required for the functional skills qualifications, mapped to the national requirements outlined by the DfE.

**Similes**  
A simile is when you say one thing is like another. It is a comparison between the two things. It often includes the word 'like' or 'as'.

The ball flew into the sky like a rocket.

Rockets go high into the sky very quickly.

This simile suggests that the ball went upwards very quickly.

NOV 24 DEC 25  
Yesterday's weather was terrible.  
The meeting was in two weeks' time.

**Question**  
What is the main point of this text?

Read this text and identify what the key words are.

Are you p...  
Who we ar...  
We are a sr...  
the middle...  
working, re...  
What we a...  
We are see...  
person whi...  
positions a...  
commitme...  
Contact jo...

Which of these sentences is a simile?

She was fishing for compliments.  
 He was as brave as a lion.  
 Lions are powerful and majestic.  
 He was the apple of her eye.

I DON'T KNOW SUBMIT ANSWER



**FE – English Functional Skills (Entry 1)**



**FE – English Functional Skills (Entry 2)**



**FE – English Functional Skills (Entry 3)**



**FE – English Functional Skills (Level 1)**



**FE – English Functional Skills (Level 2)**

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# Mathematics Courses

## Secondary

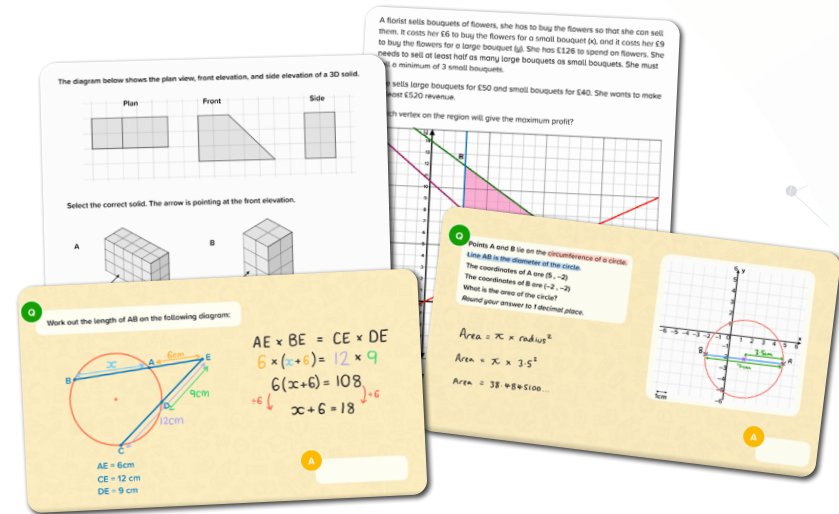
These courses have been created by our team of experienced secondary mathematics teachers.

Edexcel Specification: 1MA1

AQA Specification: 8300

OCR Specification: J560

Eduqas Specification: C300P



**Mathematics Secondary (F)**



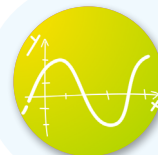
**Mathematics Secondary (H)**



**Mathematics Secondary (F+)**



**Mathematics – Bridge to A-Level**



**Mathematics –  
Number & Measure Level 1: Edexcel**

Specification: ANM10



**Mathematics –  
Number & Measure Level 2: Edexcel**

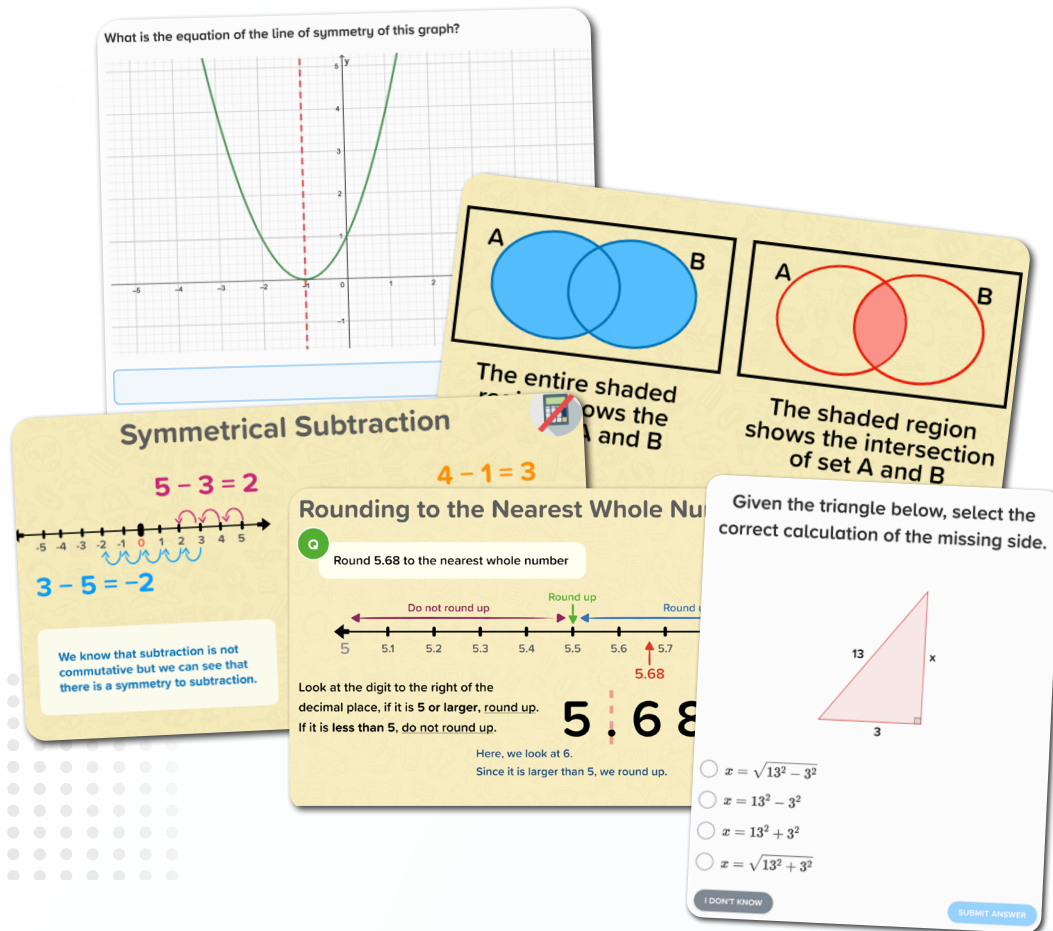
Specification: ANM20

[Download course content](#)

# Mathematics Courses

## IGCSE

These courses have been created by our team of experienced secondary mathematics teachers.



**Mathematics IGCSE: Cambridge (Core) [Exam 2025+]**

Specification: 0580/0980



**Mathematics IGCSE: Cambridge (Core) [Exam 2025+]**

Specification: 0580/0980



**Mathematics IGCSE: Edexcel (F)**

Specification: 4MA1



**Mathematics IGCSE: Edexcel (H)**

Specification: 4MA1

[Download course content](#)

# Mathematics Courses

## Functional Skills

Our functional skills courses cover the knowledge and skills required for the functional skills qualifications, mapped to the national requirements outlined by the DfE.

The collage features several educational cards:

- Rounding to 1 Decimal Place:** A card with a question: "Round 3.378 to 1 decimal place". It shows the number 3.3 with a red arrow pointing to the first decimal place.
- BIDMAS Introduction:** A card listing the order of operations: 1 Brackets, 2 Indices, 3 Divide, 4 Addition. It also includes the rule: "Identify and order the operations. Division comes before Addition".
- Time Question:** A card with a question: "It is night time and Amelia is about to go to bed. Which of these clocks show the correct time?". It shows four digital clocks: 11:00 AM, 3:00 PM, 10:00 PM, and 8:00 AM. Below each clock is a description and a checkmark: 11 AM is in the morning (X), 3 PM is in the middle of the afternoon (X), 10 PM is in the late evening (checkmark), and 8 AM is in the morning (X). The correct answer is 10 PM.
- Decimal Question:** A card with a question: "Which number from the list below is written correct to 1 decimal place?". The list includes 0.01, 0.001, 0.1, and 1. There is an "I DON'T KNOW" button.
- Tally Question:** A card with a question: "What number is represented by the tally below?". It shows a tally of 15 (three groups of five). There is an "I DON'T KNOW" button and a "SUBMIT ANSWER" button.



**FE – Mathematics Functional Skills (Entry 1)**



**FE – Mathematics Functional Skills (Entry 2)**



**FE – Mathematics Functional Skills (Entry 3)**



**FE – Mathematics Functional Skills (Level 1)**



**FE – Mathematics Functional Skills (Level 2)**

[Download course content](#)

# Science Courses

## KS3

This map show how our KS3 Biology, Chemistry and Physics courses are aligned to the KS3 national curriculum. You can edit each of these courses to match your KS3 schemes of work.



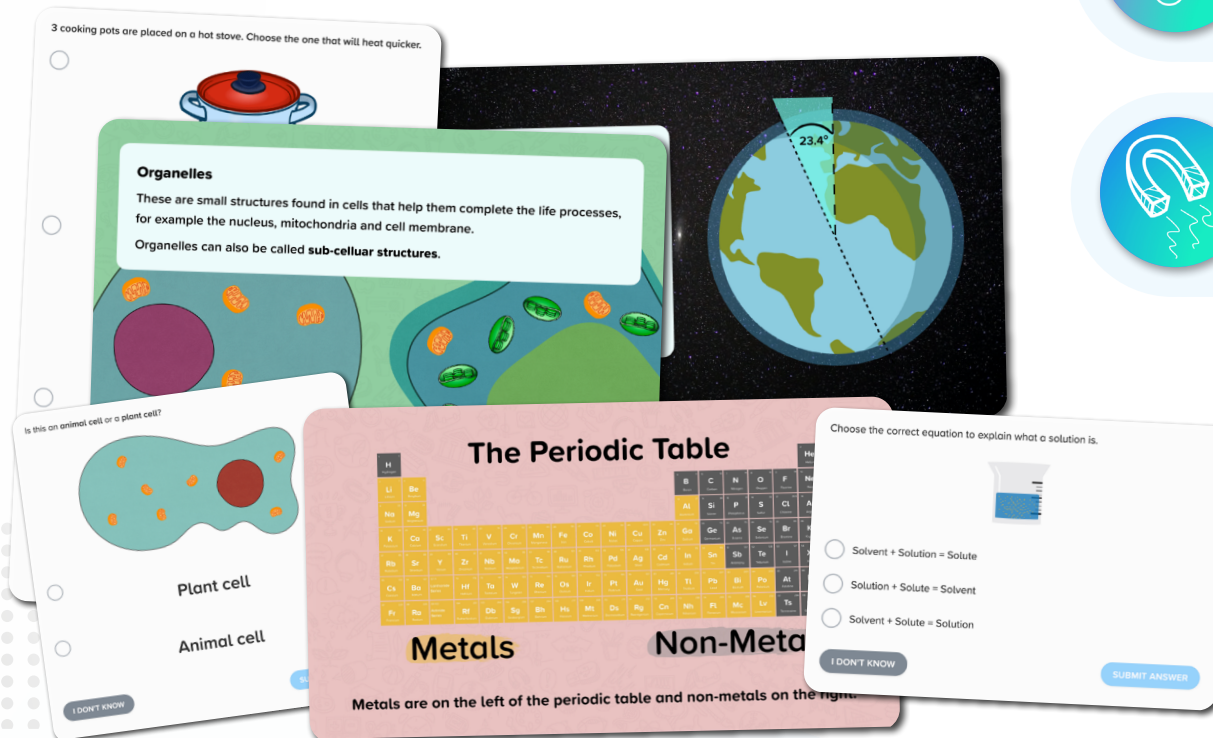
**Science – KS3 Biology**



**Science – KS3 Chemistry**



**Science – KS3 Physics**



3 cooking pots are placed on a hot stove. Choose the one that will heat quicker.

**Organelles**  
These are small structures found in cells that help them complete the life processes, for example the nucleus, mitochondria and cell membrane.  
Organelles can also be called **sub-cellular structures**.

23.4°

Is this an animal cell or a plant cell?

Plant cell  
Animal cell

**The Periodic Table**

**Metals** **Non-Metals**

Metals are on the left of the periodic table and non-metals on the right.

Choose the correct equation to explain what a solution is.

Solvent + Solution = Solute  
 Solution + Solute = Solvent  
 Solvent + Solute = Solution

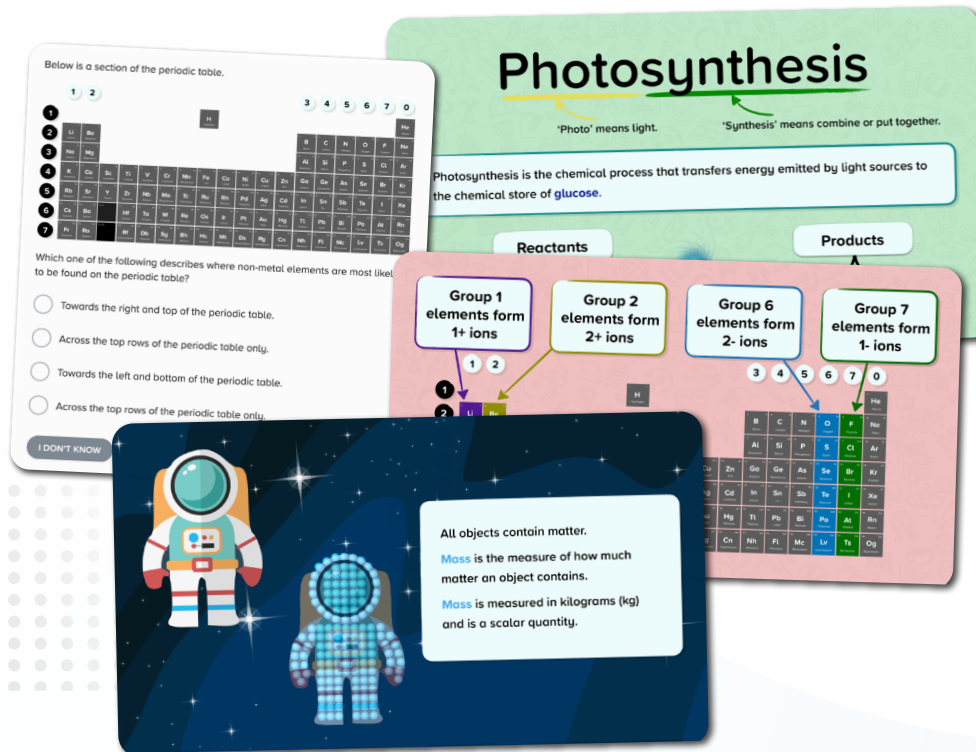
I DON'T KNOW SUBMIT ANSWER

[Download course content](#)

# Science Courses

## GCSE

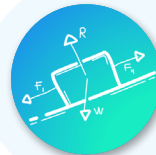
Our science courses have been created by our team of experienced secondary science teachers to align with your exam board. To get a more in-depth view of the content and structure of these courses, download our Secondary Science Course Content Guide from the customer hub.



**Science – GCSE Biology**



**Science – GCSE Chemistry**



**Science – GCSE Physics**

[Download an example of our course content](#)



# Science Courses

## Science Courses - ELC

Mapped to AQA ELC Science.

This course is designed for students studying both ELC and GCSE.

AQA: 5960

QAN: 601/7522/9ng



**Science ELC+ (Double Award): AQA**

**Method**

5. Heat the evaporating dish on a tripod and gauze using a Bunsen burner until solid starts to form and the majority of the water has evaporated.

**Electromagnetic waves**

Electromagnetic (EM) waves are oscillations of electric and magnetic fields that transfer energy from a source to a receiver as a transverse wave. The electric field and magnetic fields are perpendicular to each other.

Which of the following key words would best describe this image?

- Tissue
- Animal
- Glandular
- Cell

I DON'T KNOW

This electromagnetic spectrum (EM) diagram has no labels.

Low frequency → High frequency

1	2	3	4	5	6	7
---	---	---	---	---	---	---

Long wavelength ← Short wavelength

Identify the position of gamma on this EM spectrum.

I DON'T KNOW

SUBMIT ANSWER

[Download course content](#)

# Secondary Geography Courses

## AQA

This course covers the huge variety of both physical and human geographical content. They also cover specific geographical skills, including fieldwork and cartographical skills.



### Geography GCSE: AQA

Specification: 8035



**Immediate Responses**

Immediate responses take place in the days following an event.

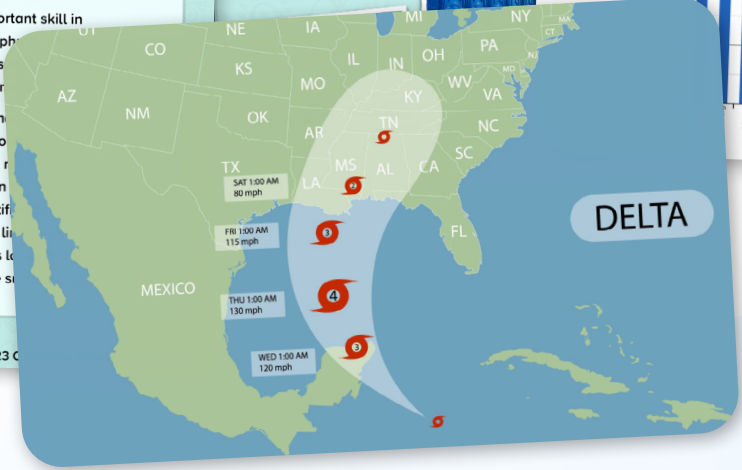
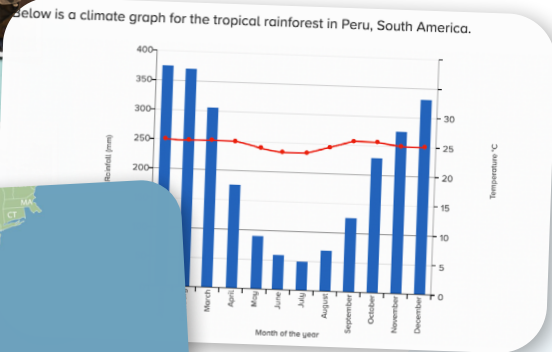
- \$6.7 million of international aid, including \$5 million from Australia.
- The Red Cross supplied rescue workers.

**Identifying Features on OS Maps**

**V-shaped valley**

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An important skill in Geography is identifying features on OS maps. The v-shaped upper contour lines shown in the map can be identified as a valley. The contour lines in a valley are less closely spaced than the surrounding area.

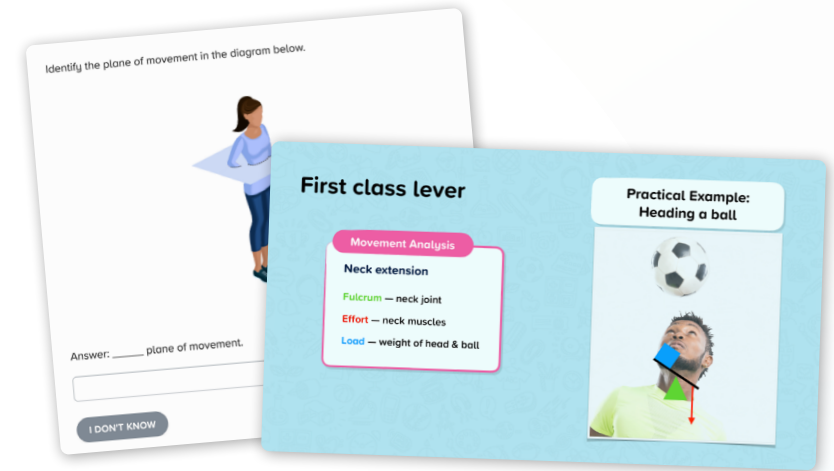


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# Secondary Physical Education Courses

## GCSE

These courses have been created by our team of experienced secondary Physical Education teachers. Each set of courses are separated into topic strands with a wide range of practical examples, data analysis and topic nuggets available throughout.



### Physical Education GCSE: Edexcel

Specification: 1PE0



### Physical Education GCSE: WJEC

Specification: 3550QS



### Physical Education GCSE: AQA

Specification: 8582



### Physical Education GCSE: WJEC (Short Course)

Specification: 3555QT



### Physical Education GCSE: OCR

Specification: J587



### Physical Education IGCSE: Cambridge

Specification: 0413

[Download course content](#)

# Secondary Physical Education Courses

## Vocational

These courses have been created by our team of experienced secondary Physical Education teachers in line with the Sport BTEC and Sport Science schemes of learning.



**Sport BTEC Level 2: First Award**



**Sport BTEC Level 2: First Diploma**



**Sport BTEC Level 2: Tech Award**



**Sport BTEC Level 1: Introductory**



**Sport BTEC Level 2: First Certificate**



**Sport BTEC Level 2: First Extended Certificate**



**Sport Science Level 2: Cambridge National**


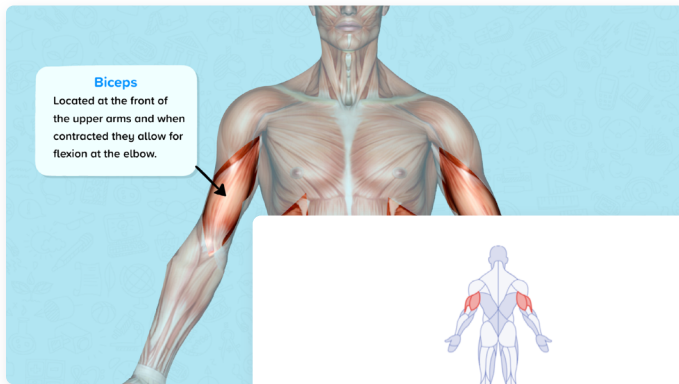
Specification: J828

[Download course content](#)

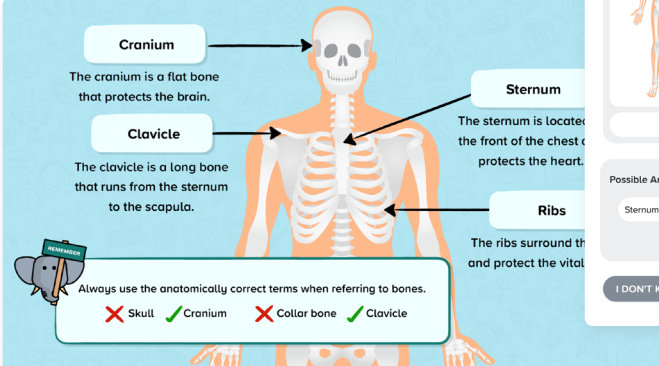
## PE Special Feature!

# Recall and Review Nuggets

Testing specific A01 subject knowledge quickly identifying misconceptions and gaps in learning to the teacher.



What is the name of the muscles identified in the picture?



**Cranium**  
The cranium is a flat bone that protects the brain.

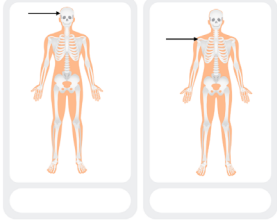
**Clavicle**  
The clavicle is a long bone that runs from the sternum to the scapula.

**Sternum**  
The sternum is located the front of the chest and protects the heart.

**Ribs**  
The ribs surround the chest and protect the vital organs.

Always use the anatomically correct terms when referring to bones.  
✗ Skull ✓ Cranium ✗ Collar bone ✓ Clavicle

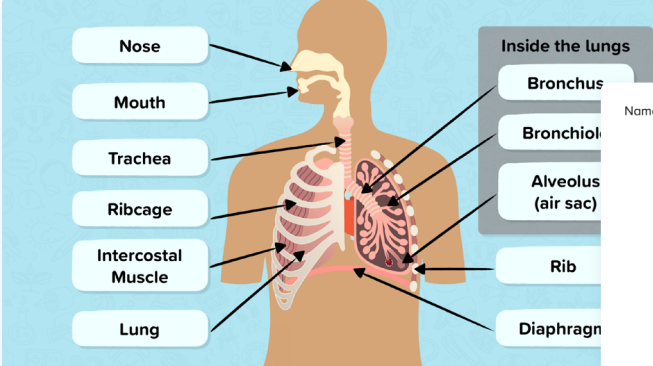
Label the correct bone identified by the arrow.



Possible Answers

Sternum  Cranium  Clavicle

Vertebrae  Scapula



**Nose**

**Mouth**

**Trachea**

**Ribcage**

**Intercostal Muscle**

**Lung**

**Inside the lungs**

**Bronchus**

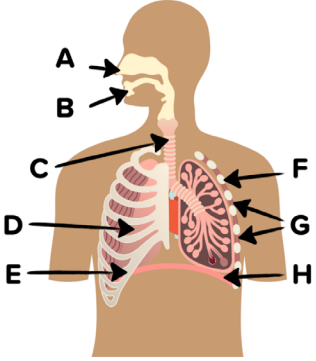
**Bronchiole**

**Alveolus (air sac)**

**Rib**

**Diaphragm**

Name the part of the respiratory system identified by the label B.



**A**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

# Secondary Digital Skills

This course explores the key skills that learners will need for life and work, covering using devices and handling information, creating and editing, communicating, transacting and being safe and responsible online.

A collage of various digital skills worksheets and interface elements. It includes a 'Name the devices' activity with a laptop and a smart thermostat, a search results page for 'Home improvements', a worksheet explaining rows and columns in a spreadsheet, a worksheet about physical problems from device use, and a multiple-choice question about spreadsheet uses.

**Name the devices.**

Smart Thermostat 19°

**Possible Answers**

Laptop  
Tablet  
VR  
I DON'T KNOW

**Identifying Appropriate Websites**

Some websites will be more relevant to your search than others.

It is important to identify which websites are appropriate for your search and which ones have an **agenda**.

Websites with an **agenda** might be trying to sell you something or may not be relevant to your search at all.

**Google Home improvements**

Q All Images Videos Maps

**This worksheet is divided into rows, columns and individual cells.**

Rows are labelled using letters. Columns are labelled using numbers.

Column	A	B	C	D	E	F	G	Row
1								
2								
3								
4								
5								
6								
7								
8								

**Spending a long time on a device can cause physical problems such as pain, discomfort and injury.**

**Common problems include:**

- Eyestrain
- Headaches
- Muscle pain
- Repetitive strain injury

**Which of the following could a spreadsheet be used for?**

creating a slideshow presentation for work

scheduling an email

carrying out data calculations using formulae

writing a newspaper article

I DON'T KNOW SUBMIT ANSWER

**Questions?**

Email [support@century.tech](mailto:support@century.tech)

