

# Homework Information Evening

Wednesday 2<sup>nd</sup> November, 2022



# Homework: Manageable and meaningful

- The Academy recognises that homework should be ***manageable*** (time specific, pre-planned and published) and ***meaningful*** (compliments the curriculum).
- Y7 homework will come from **maths, English and science** and will be mainly set on line.
- Y8 and 9 homework will come from **maths, English, science, humanities (history, geography), French.**
- Other subjects may/will set homework. Students have the opportunity to earn reward points by completing it.



# KS3 homework:



Maths - Use of Sparxmaths

English - Educake

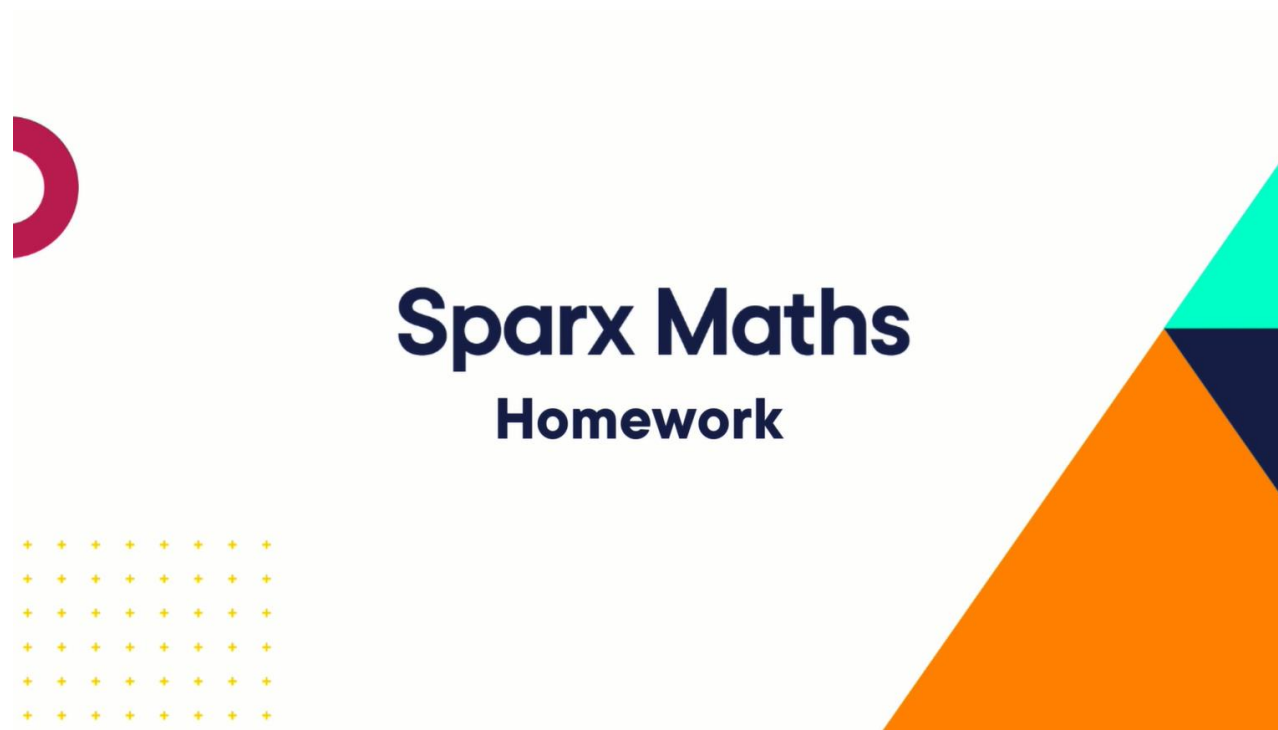
Science – Seneca

- Pre-learning, e.g. knowledge organiser
- Vocabulary and spelling revision
- Fact recall and key information summaries
- Extended writing



**Homework club every Tuesday night in the library**

# Maths Homework

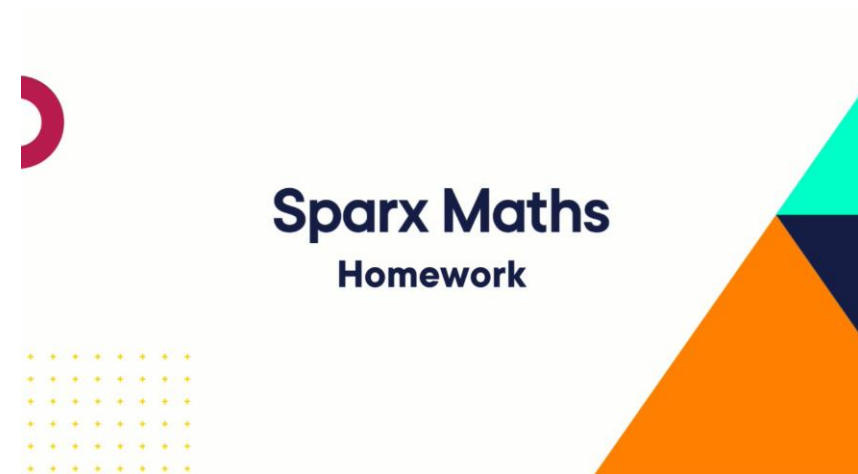


["Sparxmaths.co.uk"](https://sparxmaths.co.uk)

Mr Kerfoot (Assistant leader of maths)

# Why do we use Sparx?

## Introduction for adults



“Sparxmaths.co.uk” – Maths Homework

Homework will be set  
**every Wednesday.**

**Pupils have one week to complete it**

Parents/carers should receive a **weekly email**  
showing what homework has been completed

“Sparxmaths.co.uk” – Maths Homework



# A REMINDER HOW TO LOG ON:

sparx

[What is Sparx Maths?](#)

[Evidence](#)

[About us](#)

[Community](#)

[Work with us](#)

[News](#)

[Book a demo](#)

[Log in](#) ^

[Teacher login](#)

[Student login](#)

SIGN UP FOR A TWO WEEK FREE TRIAL

Build maths confidence  
fast at home with **numerise**  
powered by sparx

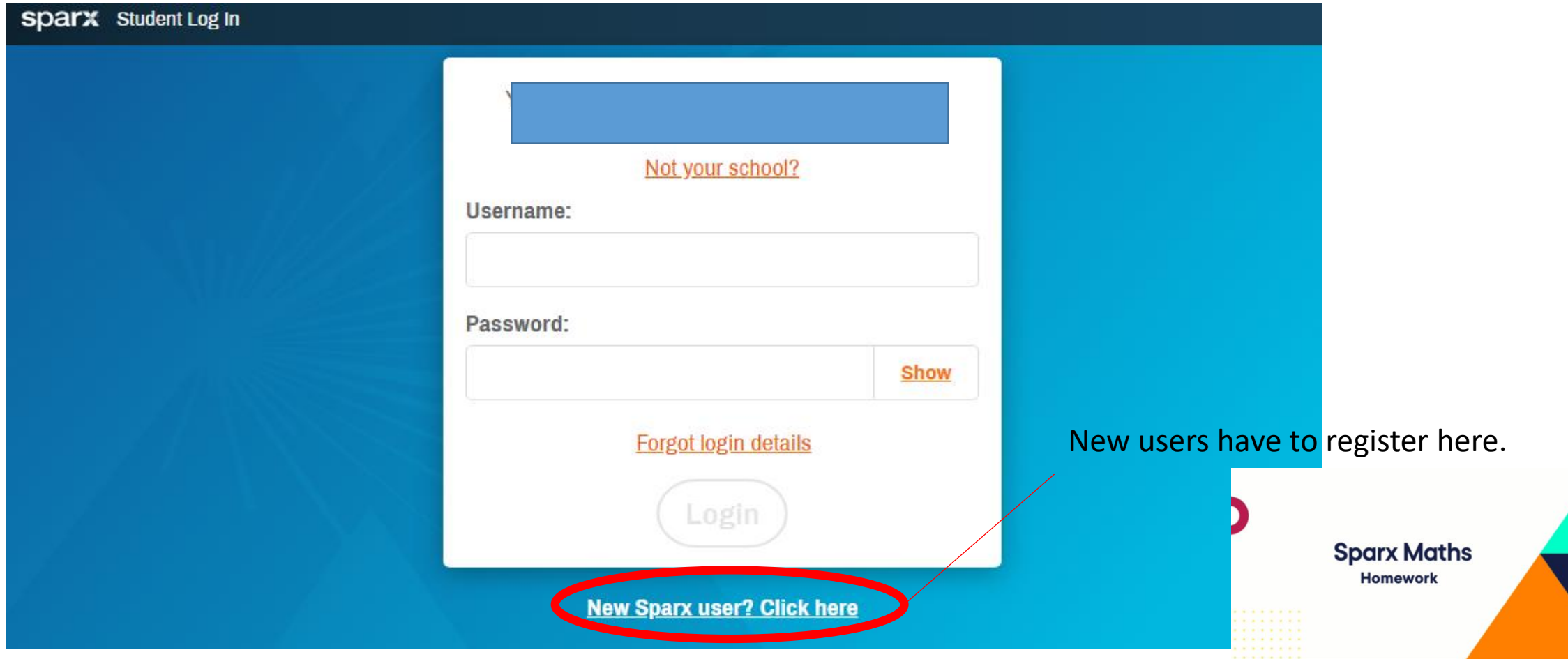
**Maths.  
Reimagined.**

As a socially focused learning technology company, Sparx has been reimagining the way

**BBC**  
**Bitesize**  
Daily lessons

**Sparx Maths**  
Homework

# A REMINDER HOW TO LOG ON FOR THE FIRST TIME:



The screenshot shows the Sparx Student Log In interface. At the top left, the text "sparx Student Log In" is displayed. The main content area is a white box on a blue background. Inside this box, there is a blue rectangular placeholder for a school selection. Below this, the text "Not your school?" is shown in orange. The "Username:" field is a white input box. The "Password:" field is a white input box with a "Show" button to its right. Below the password field, the text "Forgot login details" is shown in orange. At the bottom of the white box is a "Login" button. Below the white box, the text "New Sparx user? Click here" is shown in blue and is circled in red. A red line points from this text to the right. To the right of the white box, the text "New users have to register here." is shown in black. In the bottom right corner, the "Sparx Maths Homework" logo is visible.

sparx Student Log In

[Not your school?](#)

Username:

Password:

[Show](#)

[Forgot login details](#)

Login

[New Sparx user? Click here](#)

New users have to register here.

Sparx Maths Homework



# A REMINDER HOW TO LOG ON:

## Student Guide to Logging In

1

Go to [sparx.co.uk](https://sparx.co.uk) and click **Log in**

2

Select **Student Login**

3

Carefully select your school from the list

4

Select **New Sparx user**

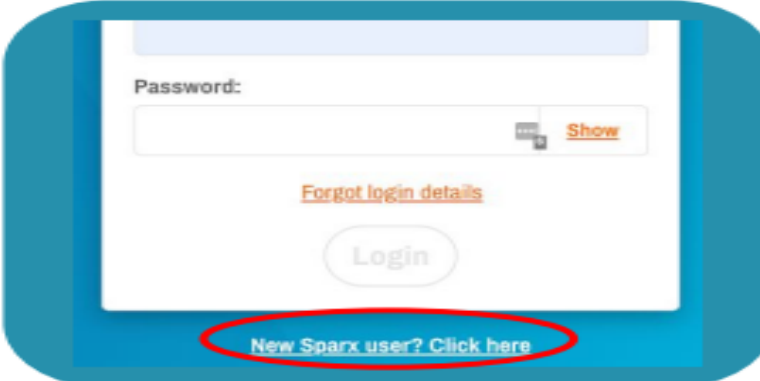
5

Enter your:

- First Name
- Last Name
- Date of Birth

6

Click **Submit**

A screenshot of the Sparx login page. It features a 'Password:' label, a password input field, and a 'Show' button. Below the password field is a link for 'Forgot login details'. A 'Login' button is centered below these elements. At the bottom of the page, a link 'New Sparx user? Click here' is circled in red.

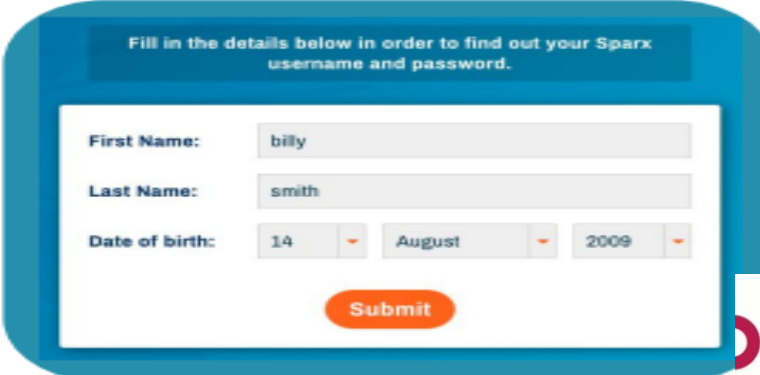
Password:

Show

[Forgot login details](#)

Login

[New Sparx user? Click here](#)

A screenshot of the Sparx registration page. It has a header instruction: 'Fill in the details below in order to find out your Sparx username and password.' Below this are three input fields: 'First Name' with 'billy', 'Last Name' with 'smith', and 'Date of birth' with '14', 'August', and '2009'. A 'Submit' button is at the bottom.

Fill in the details below in order to find out your Sparx username and password.

First Name:

Last Name:

Date of birth:

Submit

# A REMINDER HOW TO LOG ON:

7

You will be prompted to set your own password. The password must be at least 6 characters long and you will need to remember it

8

Confirm your username and password, and click **Finish**

9

You can now log in to Sparx using your username and password

10

If a password is lost, you can select the option to request a new password from your teacher

## Step 2. Choose your password

Now set a password, make sure you choose one that you will remember

Choose your password

..... [Show](#)

Your password needs to:

✓ Be 6 or more characters

[Back](#)

[Confirm your details >](#)

Make sure you've remembered your details.  
This is the only time you will be told these details.

To finish, enter your details below:

billysmith

.....

[Back](#)

[Finish](#)

# Forgot your password, what to do?

**sparx** Student Log In

[Not your school?](#)

Username:

Password:

[Forgot login details](#)

Login

[New Sparx user? Click here](#)

Request a new password here

# **THIS IS THE INFORMATION ALL PUPILS HAVE RECEIVED**

- We want to help, so if you are struggling ask your teacher.
- If you have IT issues speak to your teacher before the deadline.
- If you forget your log in, request a new one.
- THESE ARE NOT EXCUSES FOR YOU TO MISS DOING THE WORK.
- After school Sparx club will run every week in the math department, ask for details.



# Bookwork Codes

## Writing down your answer and workings

- helps you to learn
- is good practice for exams
- makes it easier for your teacher to help you

 **Second chance!** Review your workings and see if you can correct your mistake.

What temperature is 4 degrees warmer than  $-1^{\circ}\text{C}$ ? Give your answer in  $^{\circ}\text{C}$ .



D30

$$\frac{6}{8} = \frac{3}{4}$$

$\div 2$



E40

$$\begin{array}{r} 315 \\ + 216 \\ \hline 531 \\ \hline \end{array}$$



F50



## Bookwork Check ?

What is the correct answer for this bookwork code?

Bookwork code: F50

120

907

14

18

3

1.7

I didn't write this down

Submit >



**Sparx Maths**  
Homework



# Bookwork checks

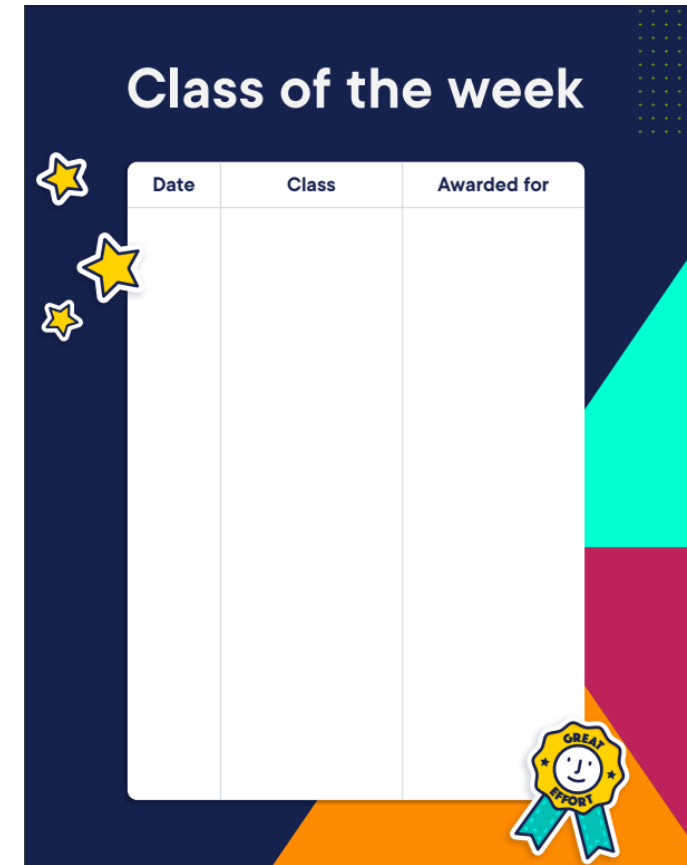
- Write down the bookwork code before you start the question
- Write down your answer and workings next to the bookwork code
- To pass a bookwork check, enter the correct answer that you wrote down for that bookwork code
- If you fail, you'll get more bookwork checks
- For every check that you fail, you'll need to try that question again



# Rewards

- Completing Compulsory Homework – 1 Reward Point
- Completing XP Boost – 1 Reward Point
- Completing Target - 1 Reward Point

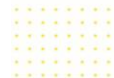
There are 3 reward points available every week



# Rewards

## Form of the week

If your form group, on average, gained the most XP in a week, the whole group will be given chocolate treats.

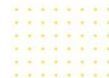


# Rewards

**Most improved class of the week**



**Sparx Maths**  
Homework



# Rewards

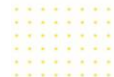
## Sparx Champions

If you have completed 100% of your compulsory tasks you will be in line for Meadowhall vouchers, these will be given out every half term.

We gave away over £200 last term!!!



Sparx Maths  
Homework



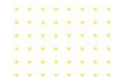
# Rewards

## Queue Jumpers

If you complete your homework task on the first day (Wednesday night) you will receive a queue jumper ticket so you can go straight to the front of the queue for dinner.



Sparx Maths  
Homework

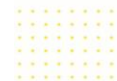


# Sanctions

If you do not complete your Compulsory homework, then you will be issued with 1 Behaviour Point.



**Sparx Maths**  
Homework



# Any questions?

[simonkerfoot@birleysecondaryacademy.co.uk](mailto:simonkerfoot@birleysecondaryacademy.co.uk)

“Sparxmaths.co.uk” – Maths Homework





# Homework Evening – 2<sup>nd</sup> November 2022



Mr A Hulme – Assistant Curriculum Leader of English  
[andrewhulme@birleysecondaryacademy.co.uk](mailto:andrewhulme@birleysecondaryacademy.co.uk)

## Key Questions

What is Educake?

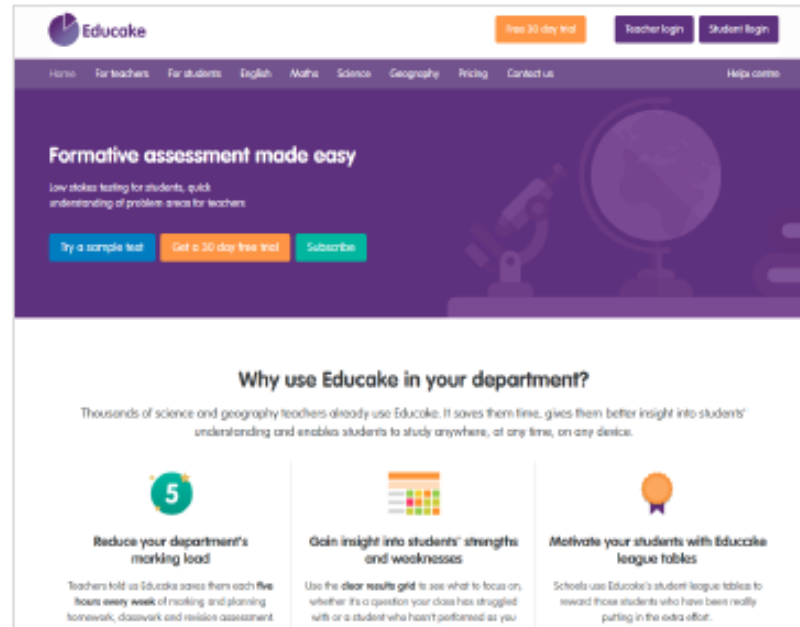
What does it offer?

Why is it an important revision tool for students of all Key Stages?



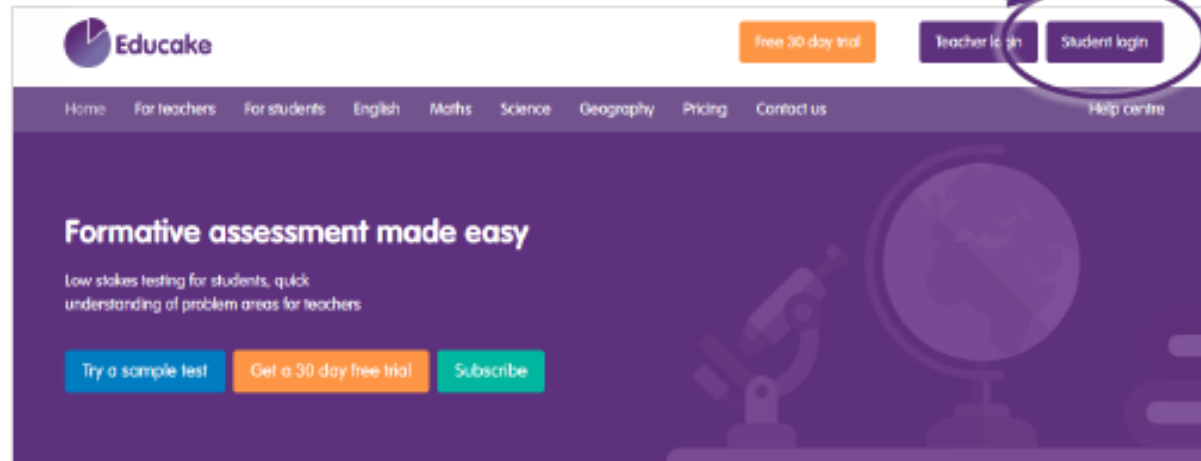
# What is Educake?

- Educake is a website for homework, classwork and revision
- Teachers can set you homework with Educake
- You can set yourself revision tests
- Educake works on PCs, tablets and smartphones



# How do you log in to Educake?

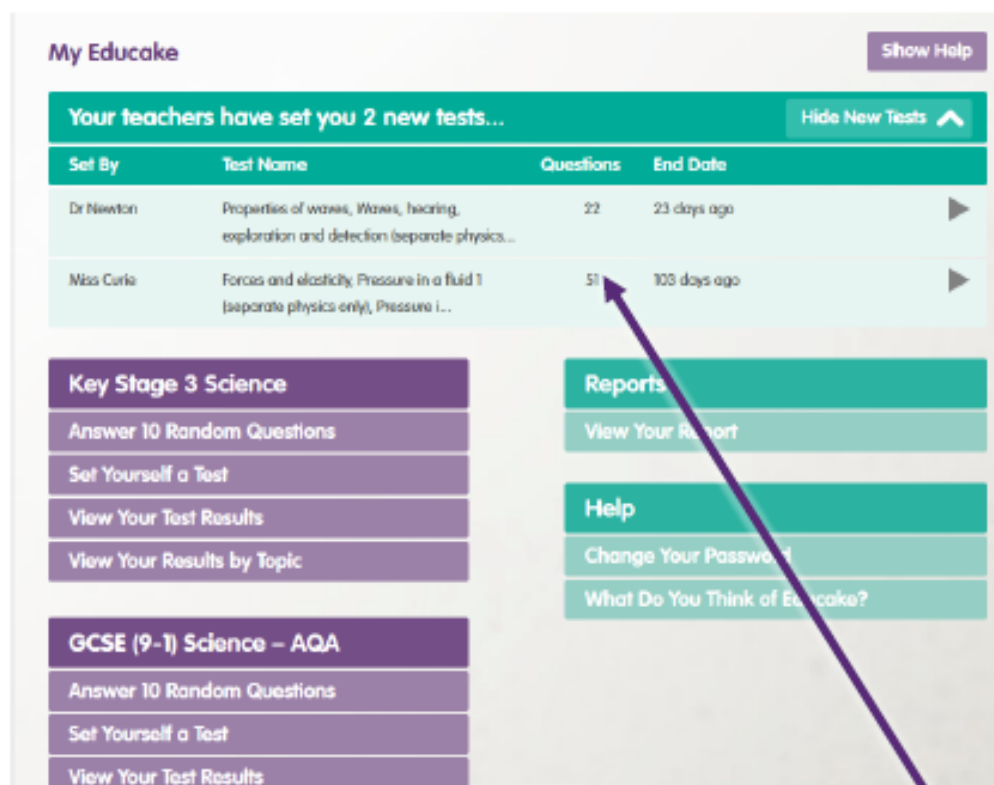
- Go to [www.educake.co.uk](http://www.educake.co.uk) in a web browser, like Chrome or Safari
- Click on the “Student Login” button:



- Enter the username and password your teacher gave you
- Usernames are your first name, then the first letter of your last name, then a 4 digit number.
- For example, Brian Pie’s username might be brianp0007

# How do I answer a test?

- When you log in you will see this page:



The screenshot shows the 'My Educake' dashboard. At the top, there's a header with 'My Educake' and a 'Show Help' button. Below this is a green banner stating 'Your teachers have set you 2 new tests...' with a 'Hide New Tests' button and an upward arrow. A table lists the tests:

Set By	Test Name	Questions	End Date
Dr Newton	Properties of waves, Waves, hearing, exploration and detection (separate physics...	22	23 days ago
Miss Curie	Forces and elasticity, Pressure in a fluid 1 (separate physics only), Pressure i...	51	108 days ago

Below the table are two columns of navigation buttons. The left column has a purple header 'Key Stage 3 Science' followed by 'Answer 10 Random Questions', 'Set Yourself a Test', 'View Your Test Results', and 'View Your Results by Topic'. The right column has a green header 'Reports' with 'View Your Report', a green header 'Help' with 'Change Your Password' and 'What Do You Think of Educake?'. A purple arrow points from the bottom right towards the '51' in the 'Questions' column of the second test row.

- Tests your teachers have set you are in green at the top
- Click on a green test to take it and answer the questions

# How do I set myself a test?

- Click on "Set Yourself a Test" to revise a topic



The screenshot shows the 'My Educake' dashboard. At the top, a green banner states 'Your teachers have set you 2 new tests...' with a 'Hide New Tests' button. Below this is a table of tests set by teachers. A purple arrow points from the 'Set Yourself a Test' button in the 'Key Stage 3 Science' section to the 'Set Yourself a Test' button in the 'GCSE (9-1) Science - AQA' section, which is highlighted with a red box.

Set By	Test Name	Questions	End Date
Dr Newton	Properties of waves, Waves, hearing, exploration and detection (separate physics...	22	23 days ago
Miss Curie	Forces and electricity, Pressure in a fluid 1 (separate physics only), Pressure I...	51	103 days ago

**Key Stage 3 Science**

- Answer 10 Random Questions
- Set Yourself a Test**
- View Your Test Results
- View Your Results by Topic

**GCSE (9-1) Science - AQA**

- Answer 10 Random Questions
- Set Yourself a Test**

**Reports**

- View Your Report

**Help**

- Change Your Password
- What Do You Think of Educake?

- You can choose the topics you want to revise
- You can choose the number of questions you want to answer

# What are Educake tests like?

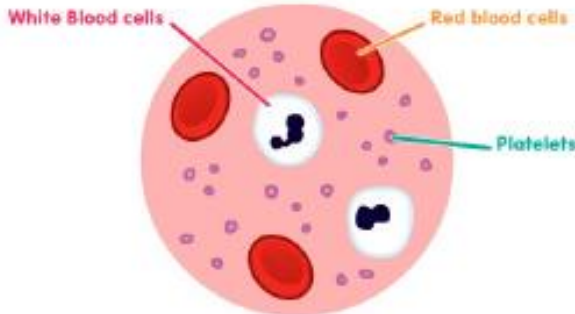
- Educake tests are made of short questions
- They are carefully-written to improve your knowledge and understanding

Key Stage 3 Science - Biology [Show Help](#)

Question 17 of 17 0 ✓ 0 %

Look at the picture of a blood sample. What do white blood cells have that red blood cells do not?

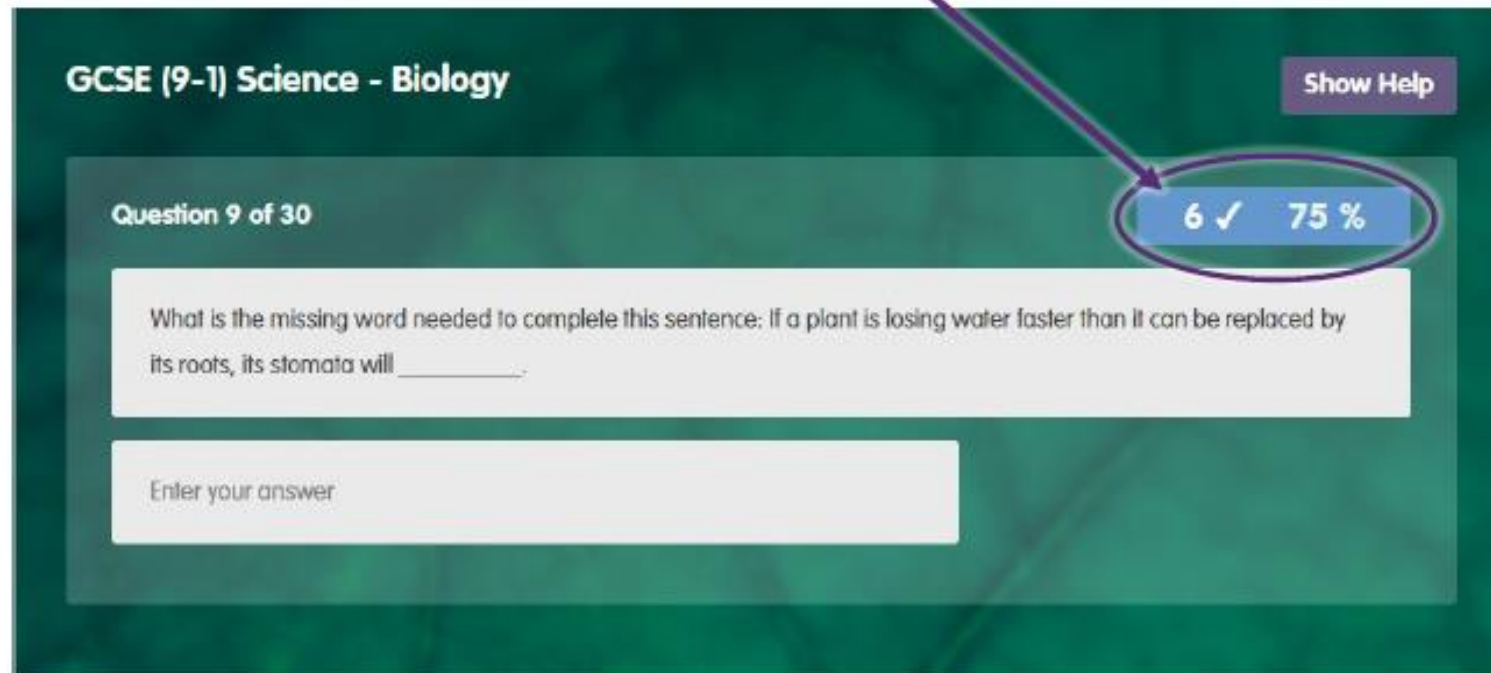
Enter your answer



A blood sample

## What are Educake tests like?

- The questions aren't all multiple choice
- You usually type in the answer
- Educake accepts small spelling mistakes
- Your score so far on the test is shown here:



**GCSE (9-1) Science - Biology** [Show Help](#)

**Question 9 of 30**

6 / 75 %

What is the missing word needed to complete this sentence: If a plant is losing water faster than it can be replaced by its roots, its stomata will \_\_\_\_\_.

Enter your answer

# What happens when I finish a test?






















- When you finish a test you can see your results
- You can take tests again by clicking here:

My Educake > GCSE (9-1) Science Test Results

Show Help

Name / Main Topic	Year	Class	Completed	Start Date	End Date
Communicable diseases	9	All	1 / 1	06-04-2017	06-04-2017

	All	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
Brian Pie																					

Take test again >

View Your Progress >

- You can view your progress by clicking here:


















## View your progress each time you finish a test

- Topics you know well are coloured green
- Topics you need to revise more are coloured red
- Click on a topic to take a revision test on it

### My Educake > Track Your Progress on GCSE (9-1) Science, Chemistry

Topic	Percentage Correct	Questions Answered	Answer 10 More Questions
<b>4.1 Atomic Structure and the Periodic Table (Paper 1)</b>			
Atoms, elements, and compounds: th...	91%	247	▶
Mixtures	71%	14	▶
Atomic models	65%	129	▶
The periodic table	72%	65	▶
Group 0	19%	41	▶
The transition metals (separate ch...	88%	8	▶
<b>4.2 Bonding, Structure and the Properties of Matter (Paper 1)</b>			
Chemical bonds	74%	57	▶

# Educake Success

	Questions Correct %	Questions Attempted	
Year 7	73.7% 	17,184 	
Year 8	66.4% 	13,133 	
Year 9	64.9% 	13,200 	
Year 10	62.5% 	12,909 	
Year 11	69.3% 	13,784 	
Whole School	67.8%	70,210	

## To sum up Educake

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- Go to [www.educake.co.uk](https://www.educake.co.uk) or click on the link your teacher sends you
- Your teachers can set you tests
- You can set tests yourself
- Educake tells you which topics you know and which you need to practise
- The more times you answer a question, the better you will learn, so keep practising!



[www.educake.co.uk](https://www.educake.co.uk)

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Educake is also used for history



Seneca is also used for geography



# Science Homework and Revision

The science department at Birley Secondary Academy use two tools for homework and revision:



Cells	Specialised Cells
All living things are made up of cells Most cells are so small that you can only see them with a microscope.	Specialised cells have a <b>specific role</b> to perform.
Both animal and plant cells have these components:	Each specialised cell has a different job to do. They have <b>special features</b> that allow them to do these jobs.
<b>Cell membrane</b> – this surrounds the cell and allows nutrients to enter and waste to leave	<b>Red blood cells</b> carry oxygen around the body.
<b>Nucleus</b> – this controls what happens in the cell. It contains DNA, the genetic information that cells need to grow and reproduce.	<b>Nerve cells</b> transmit electrical signals.
<b>Cytoplasm</b> – this is a jelly-like substance where chemical reactions happen.	<b>Sperm cells</b> are the male sex cells.
<b>Mitochondria</b> – These are structures where respiration takes place.	<b>Egg cells</b> are the female sex cells.
	<b>Root hair cells</b> are plant cells. They take water into the root of a plant.

# Science Homework and Revision

Knowledge  
Structure  
Will  
Quick

## Cells

All living things are made up of cells  
Most cells are so small that you can only see them with a microscope.

Both animal and plant cells have these components:

**Cell membrane** – this surrounds the cell and allows nutrients to enter and waste to leave

**Nucleus** – this controls what happens in the cell. It contains DNA, the genetic information that cells need to grow and reproduce.

**Cytoplasm** – this is a jelly-like substance where chemical reactions happen.

**Mitochondria** – These are structures where respiration takes place.

## Specialised Cells

Specialised cells have a **specific role** to perform.

Each specialised cell has a different job to do. They have **special features** that allow them to do these jobs.

**Red blood cells** carry oxygen around the body.

**Nerve cells** transmit electrical signals.

**Sperm cells** are the male sex cells.

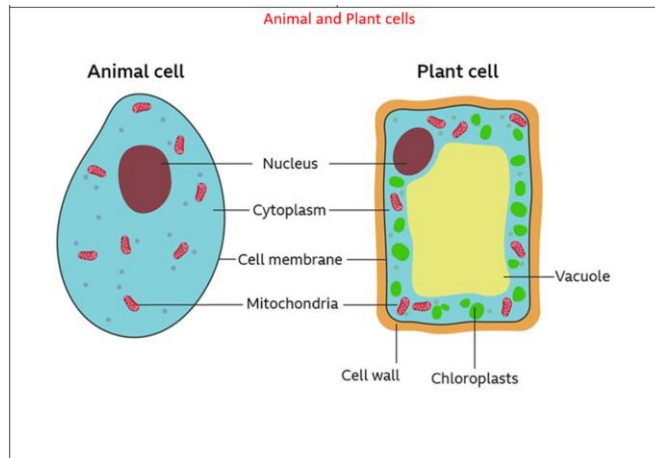
**Egg cells** are the female sex cells.

**Root hair cells** are plant cells. They take water into the root of a plant.

ed in  
idents'  
trieval  
start'

# Science Homework and Revision

Knowledge organisers are updated every term and sharp start tasks will refer to information from throughout the year.



Periodic table

1		2												group number						0
Li	Be												B	C	N	O	F	Ne		
Na	Mg												Al	Si	P	S	Cl	Ar		
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr			
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe			
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn			
Fr	Ra																			

- Elements in a group all react in a similar way and sometimes show a trend in reactivity.
- As you go down a group and across a period the elements show trends in physical properties.
- Metals are found on the left side of the table, non-metals on the right.
- Group 1 contains reactive metals called **alkali metals**.
- Group 7 contains non-metals called **halogens**.
- Group 0 contains unreactive gases called **noble gases**.

## Key Vocabulary:

**Atom:** The smallest part of a substance.

**Compound:** A substance that is made from different types of atoms that are chemically combined.

**Chemical Formula:** The way to show the number of each type of atom in a substance – for example ' $H_2O$ ' is the chemical formula for water.

**Chloride:** The type of salt formed in a reaction with hydrochloric acid.

**Element:** A substance made of only one type of atom.

**Excess:** More than is needed.

**Formulae:** Plural or 'formula'.

**Halide:** A substance containing a group seven element (halogen), for example chlorine, fluorine, bromine or iodine.

**Hydroxide:** A substance containing hydrogen and oxygen joined together in an ' $OH$ ' group.

**Insoluble:** Does not dissolve.

**Mixture:** A substance that contains different types of atoms that are not joined together.

**Nitrate:** The type of salt formed in a reaction with nitric acid.

**Observation:** A significant change that should be noted during a scientific investigation.

**Oxide:** A compound containing oxygen.

**Precipitate:** An insoluble solid product formed in a chemical reaction.

**Soluble:** Does dissolve.

**Sulfate:** The type of salt formed in a reaction with sulfuric acid.

# Science Homework and Revision

The use of knowledge organisers is not a 'set' homework.

Students are expected to learn the information on the relevant knowledge organisers to help them retain key vocabulary and fact-based knowledge.



# Science Homework and Revision



# Science Homework and Revision

Seneca is an online learning platform that allows students to complete activities on a laptop, computer or mobile phone (via the Seneca app).



# Science Homework and Revision

Overview

Students

Assignments

Insights

**Courses**

Settings

Courses (3)

Add courses

Science: KS3


Preview course

Science: KS3 - Diagnostic Misconceptions

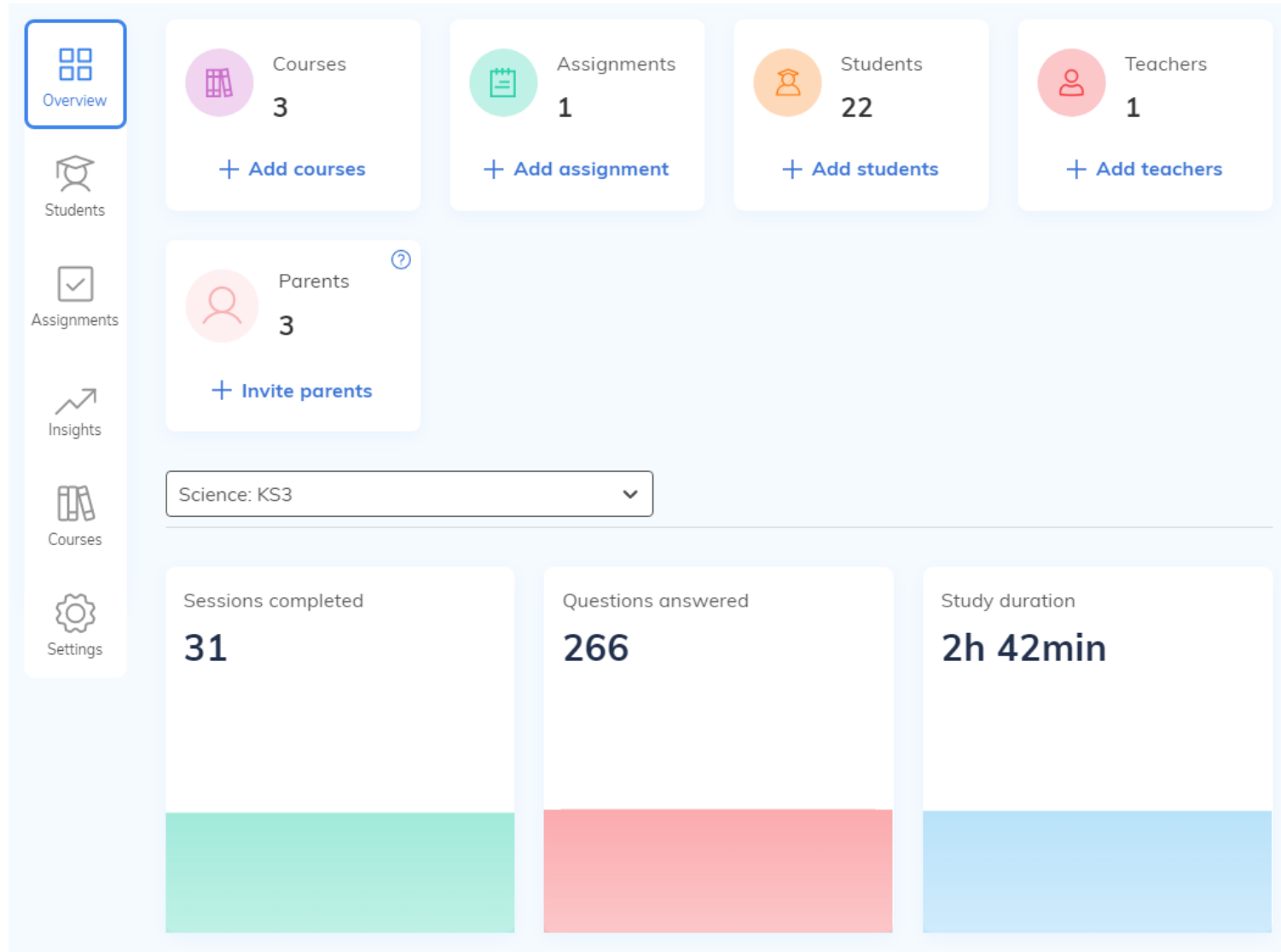
Preview course

Science: KS3 - Standardised Assessments

Preview course

  
The Birley Academy

# Science Homework and Revision



# Science Homework and Revision

7Y/Sc1

Class code: xt8ychn5t5

Overview

Students

Assignments

Insights

Courses

Settings

Assignments

Assignments

Create assignment

Upcoming

Past

Microscopes

Science: KS3

Start: 24 days ago 10:45

Due: 15 days ago 23:15

22 students

# Science Homework and Revision

## Email Addresses

**Y7:**

[first][last]22@students.birleysecondaryacademy.co.uk

**Y8:**

[first][last]21@students.birleysecondaryacademy.co.uk

**Y9:**

[first][last]20@students.birleysecondaryacademy.co.uk

# Science Homework and Revision

Your child's science teacher can now reset passwords and we also list student emails for each individual account.

If your son/daughter is having trouble logging in to Seneca, please ask them to contact their class teacher.

# Science Homework and Revision

Parental invitations have been sent for all classes (where contact details are available). If you accepted the invitation to your child's Seneca class, you should receive an email notification when homework is set.