

Year 11 Progress Evening

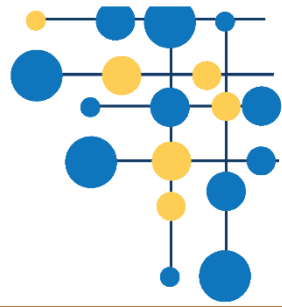
Wednesday 15th November

Evening Focus

Understand:

- What does the **Yr11** academic calendar look like for my child?
- What does your child's **data** mean and how will they be assessed?
- What is the **science behind learning** and how will this help my child know and remember more?
- How can my child **prepare themselves effectively** for their exams?
- What is my child learning in their **core subjects**?

Target Grades and PPG



Frequently Asked Questions

What does a target grade mean?

It is the **minimum grade** students should be aiming for **by the end of Year 11**, it is designed specifically for each student and is based on prior learning.

What is the difference between a target grade and a predicted grade?

A target grade is set centrally based on prior learning. A predicted grade is the **teacher's professional estimate** of what you will **achieve if you continue to make progress** at the same rate by the end of Year 11.

What is the difference between a target grade and a working at grade?

A students working at grade is what **assessment data shows** they are working at right now in that subject, this might be explained as 'if they took this exam tomorrow, they would get that'. We expect students to **continually improve their working at grade**.

Why do we get target grades?

We want students to take ownership of their progress.

Learning is not forced upon students, those students who learn the most do so when they are motivated to learn more.

Target grades give students a goal to meet and then beat.

Importantly a target grade lets students know where they need to be so they can find out how to get there.

Data for Year 11

Step 1 – **15th November 2023** Year 11 Progress Evening will be used to discuss what the rest of Year 11 looks like and making sense of the data sent home

Step 2 – This data will be used for college applications and shared with colleges, with deadlines before **2nd February 2024**, predicted grades are used by colleges.

Step 3 – Mock exams begin **11th December 2023**

Step 4 – Mock Results – **2nd February 2024**, this data can then be shared with colleges after 2nd February 2024

What do my Vocational Targets mean?

GCSE Grade	Technical Award Grade Equivalent	OCR National/ BTEC Tech Award Grade	WJEC
9			
	8.5	Distinction* Level 2	Distinction* Level 2
8			
7	7	Distinction Level 2	Distinction Level 2
6			
	5.5	Merit Level 2	Merit Level 2
5			
4	4	Pass Level 2	Pass Level 2
3	3	Distinction Level 1	
2		Merit Level 1	
	1.75		Pass Level 1
	1.25	Pass Level 1	
1			

After
Secondary?

Qualification Level				
Level 8	Doctorate (PhD)			
Level 7	Masters Degree (MA, MSc, MPhil)			
Level 6	Bachelor Degree (BA, BSc)			Degree Apprenticeship
Level 5		Foundation Degree	Higher National Diploma	Higher Apprenticeship
Level 4			Higher National Certificate	
Level 3	A Level	Level 3 Diploma	Level 3 Certificate	Advanced Apprenticeship
Level 2	GCSE (Grades 9 – 4)	Level 1 & 2 Award / Certificate / Diploma BTEC & Vocational Qualifications		Intermediate Apprenticeship
Level 1	GCSE (Grades 4 – 1)			
Entry Level	Entry Level Courses			

All students in the UK must stay in education until they are 18. If a student fails to achieve a Grade 4 in English or Maths then they will be required to resit their GCSE along side their other qualifications.
If a child is found to be not in employment, education and training it can lead to benefits such as child benefit being stopped.

Yr11 Assessment & Communication Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
1	06-Nov	07-Nov	08-Nov	09-Nov Careers Fair 12:30pm-3:00pm	10-Nov
2	13-Nov	14-Nov	15-Nov Y11 Progress Evening	16-Nov	17-Nov
1	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov Disaggregated Day
2	27-Nov	28-Nov	29-Nov	30-Nov	01-Dec
1	04-Dec Year 11 Art & Art Design	05-Dec Year 11 Art & Art Design	06-Dec Year 11 Art & Art Design	07-Dec Year 11 Art & Art Design	08-Dec Year 11 Art & Art Design
2	11-Dec Year 11 Mocks	12-Dec Year 11 Mocks	13-Dec Year 11 Mocks	14-Dec Year 11 Mocks	15-Dec Year 11 Mocks
1	18-Dec Year 11 Mocks	19-Dec Year 11 Mocks	20-Dec Year 11 Mocks	21-Dec Year 11 Mocks	22-Dec Year 11 Mocks
Christmas Holidays					

- Careers Fair
- 3-week countdown to mock exams
- Practical exams week
- Achieve programme
- Revision resources

Yr11 Assessment & Communication Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
2	08-Jan	09-Jan	10-Jan	11-Jan	12-Jan
	Y11 Spoken English Exam Release of H&S Brief BTEC	Y11 Spoken English Exam	Y11 Spoken English Exam	Y11 Spoken English Exam	Y11 Spoken English Exam
1	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan
	Y11 Spoken English Exam Release of PA Brief	Y11 Spoken English Exam	Y11 Spoken English Exam	Y11 Spoken English Exam	Y11 Spoken English Exam
2	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan
	Disaggregated Day				
1	29-Jan	30-Jan	31-Jan	01-Feb	02-Feb
					Mock results
2	05-Feb	06-Feb	07-Feb	08-Feb	09-Feb
February Half Term					

- English speaking assessments
- BTEC assessment release dates
- Mock results day

Yr11 Assessment & Communication Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
1	19-Feb	20-Feb	21-Feb	22-Feb Year 11 Parents Evening	23-Feb
2	26-Feb	27-Feb	28-Feb	01-Mar	02-Mar
1	04-Mar	05-Mar	06-Mar	07-Mar	08-Mar
2	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar
1	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar
Easter Holidays					

- Assessment data shared
- Yr11 Parents Evening

Yr11 Assessment & Communication Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
2	08-Apr	09-Apr Art and Design Practice Provisional Exam Dates	10-Apr Art and Design Practice Provisional Exam Dates	11-Apr Art and Design Practice Provisional Exam Dates	12-Apr Art and Design Practice Provisional Exam Dates
1	15-Apr	16-Apr	18-Apr	18-Apr	19-Apr
2	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr
1	29-Apr	30-Apr	01-May	02-May	03-May
2	06-May BANK HOLIDAY	07-May	08-May	09-May Yr11 GCSE Exams	10-May Yr11 GCSE Exams
1	13-May Yr11 GCSE	14-May Yr11 GCSE	15-May Yr11 GCSE	16-May Yr11 GCSE	17-May Yr11 GCSE
2	20-May Yr11 GCSE Exams	21-May Yr11 GCSE Exams	22-May Yr11 GCSE Exams	23-May Yr11 GCSE Exams	24-May Yr11 GCSE Exams
May Half Term					

- Exam timetables
- GCSE exams

May Half Term

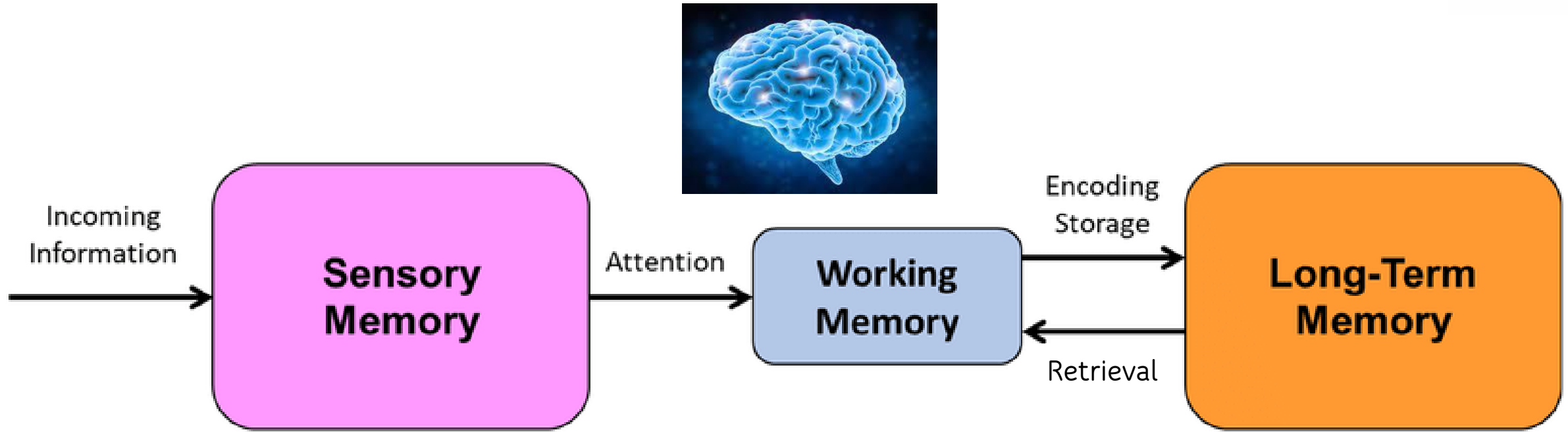
	Monday	Tuesday	Wednesday	Thursday	Friday
1	03-Jun Yr11 GCSE Exams	04-Jun Yr11 GCSE Exams	05-Jun Yr11 GCSE Exams	06-Jun Yr11 GCSE Exams	07-Jun Yr11 GCSE Exams
2	10-Jun Yr11 GCSE Exams	11-Jun Yr11 GCSE Exams	12-Jun Yr11 GCSE Exams	13-Jun Yr11 GCSE Exams	14-Jun Yr11 GCSE Exams
1	17-Jun Yr11 GCSE Exams	18-Jun Yr11 GCSE Exams	19-Jun Yr11 GCSE Exams	20-Jun	21-Jun
2	24-Jun	25-Jun	26-Jun Contingency Day	27-Jun	28-Jun
1	01-Jul	02-Jul	03-Jul	04-Jul	05-Jul
2	08-Jul	09-Jul	10-Jul	11-Jul	12-Jul

Yr11 Assessment & Communication Calendar



- Contingency Day
- Prom/ Leavers Assembly

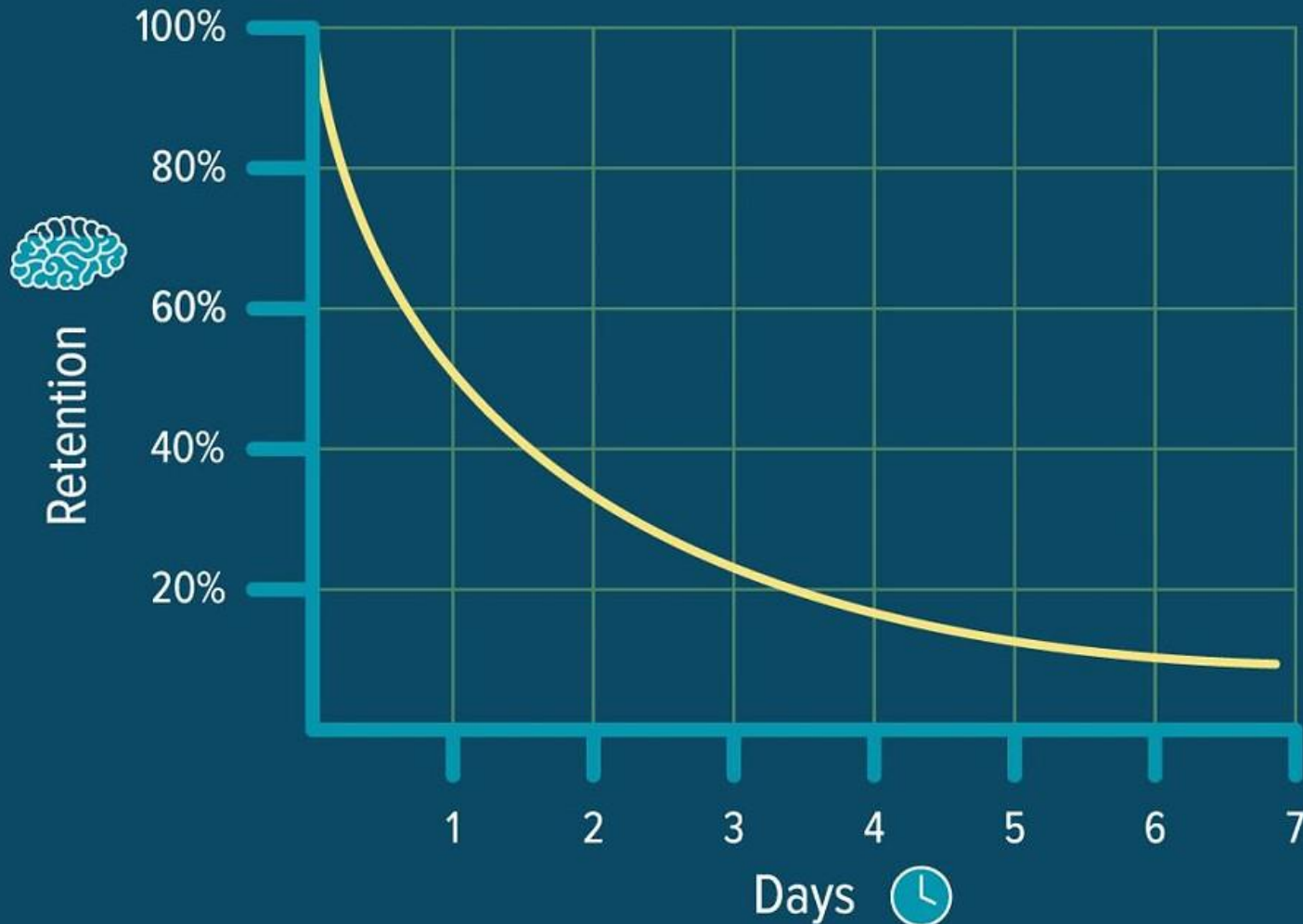
How do we learn?



How do you make the knowledge and skills you learn stay in your long-term memory?

How do you retrieve this knowledge from your long-term memory?

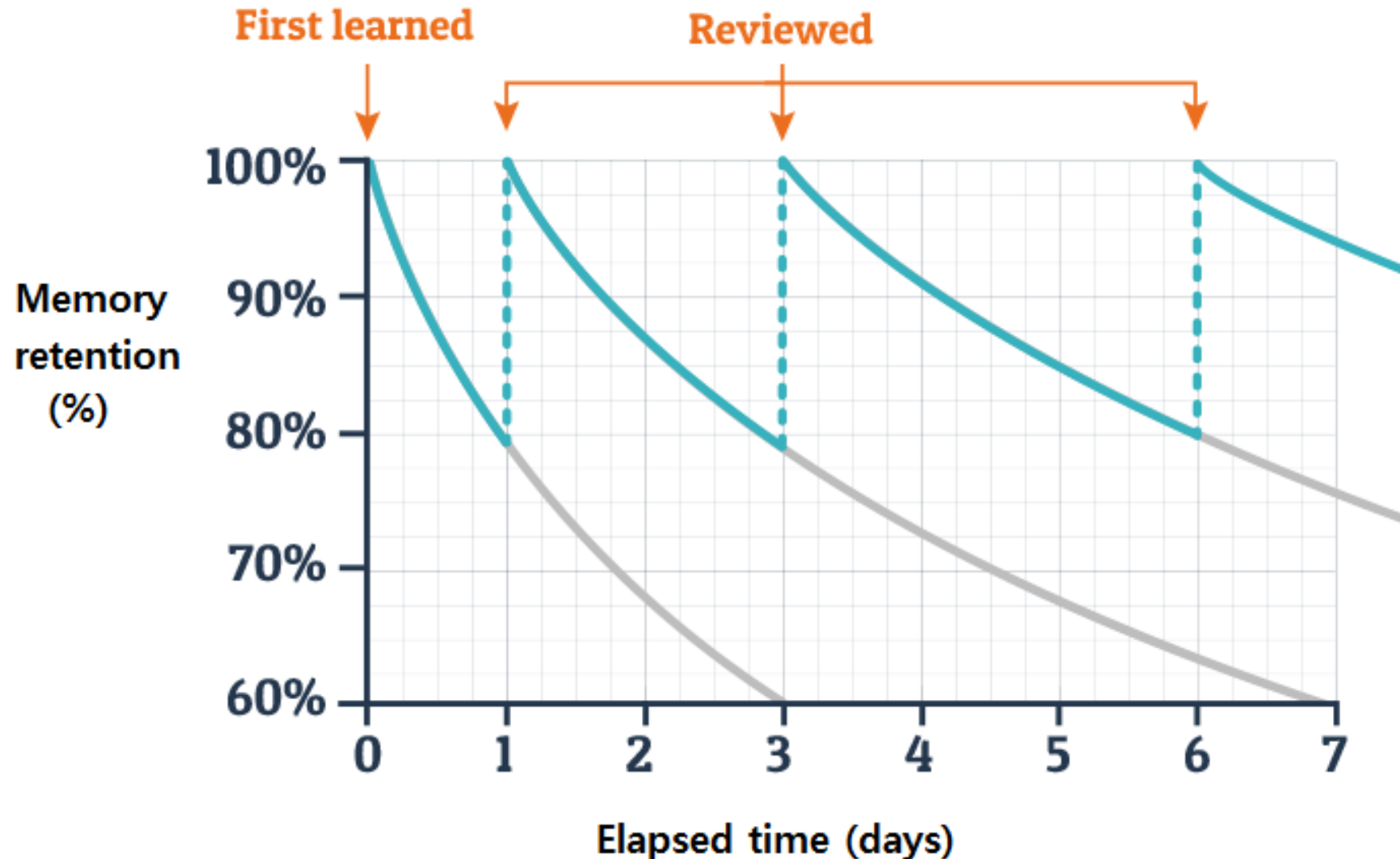
THE FORGETTING CURVE



After 7 days the average person forgets about 80% of what they have learned

Use it or lose it!

How do we learn?



The more you revisit,
the less you forget

The more you
remember

The Weaving Model

Topic 1

- Thing 1
- Thing 2 using some of Thing 1

Topic 2

- Thing 3 using some of Thing 1 and 2
- Thing 4 using some of Thing 1, 2 and 3

The topics are sequenced so that the things **you learned before** can be **weaved** into new learning as the sequence progresses

Yr11 Achieve Timetable (updated 10th November 2023)



Week 1				
Monday	Tuesday	Wednesday	Thursday	Friday
Maths Achieve 3pm-4pm 111 – All Maths Staff	... Staff Meetings ...	Science Achieve 3pm-4pm 201-229 – All Science Staff	English Achieve 3pm-4pm 104-113 – All English Staff	MFL Speaking Club 8.00am-8:20 am 118– MFL Staff
Further Maths Achieve 3.30pm-4.30pm 214 – Mr Nightingale		Enterprise & Marketing 3pm-4pm 235 – Emma Foster	Spanish Achieve 3pm-4pm 116 – MFL Staff	Computing Achieve 3pm-4pm 235 – Mr Duce
Performing Arts Achieve 3pm-4pm 045 – Miss Lenk		Health Social Care Achieve 3pm-4pm 235 – Mrs Stephenson	Engineering Achieve 3pm-4pm 024 - Mr Goodsell	Art Achieve 3pm-4pm 206/209 - Mrs Hill/Miss D'Abreu
Music Achieve 3pm-4pm 028 – Mr Rushton			Textiles Achieve 3pm-4pm 018 - Mrs Kilner	
Humanities Achieve 3pm-4pm 101/102 - Humanities Staff			Food Achieve 3pm-4pm 014 - Mrs Shaw	
			3D Product Achieve 3pm-4pm 023 - Mrs Collins	
			French Achieve 3pm-4pm 117 – MFL Staff	


-Teachers deliver Achieve sessions voluntarily.



-Students chose which Achieve sessions they need to attend on a weekly basis.

-Achieve sessions allow students to revisit knowledge they have learnt or missed in previous lessons. These sessions can deepen their understanding of key knowledge and skills with support from their subject teachers.

-Vocational subjects may only need students closer to assessment deadlines.

 Whitcliffe Mount Academy Newsletter: The Whitcliffian - Issue 4 

**Whitcliffe Mount, A SHARE Academy**

QUICKLINKS

HOMEOUR ACADEMYKEY INFORMATIONCURRICULUMPARENTS & CARERSNEWS & EVENTSCONTACT USTWITTER

WELCOME TO
Whitcliffe Mount

"Together, we are proud to be our best through everything we do. We focus on developing a strong sense of community through helping everyone to be PROUD and to BELONG. Students develop personal characteristics, values and traits that help make them good, active citizens and develop skills and knowledge to raise their aspirations as a team and as individuals."

READ MORE →

CURRICULUM

BRITISH VALUES

EXTRA CURRICULAR CLUBS

CURRICULUM PLANS

YEAR 11 ACHIEVE & EXAM RESOURCES

ECO-SCHOOL

PERSONAL DEVELOPMENT



HOMEWORK

YEAR 9 OPTIONS

EXAMS 2023/24

CAREERS INFORMATION & GUIDANCE

READING AT WHITCLIFFE MOUNT



Yr11 English Curriculum

Across years 10 and 11, your child has been learning 2 subjects in their English lessons:

- English language
- English literature

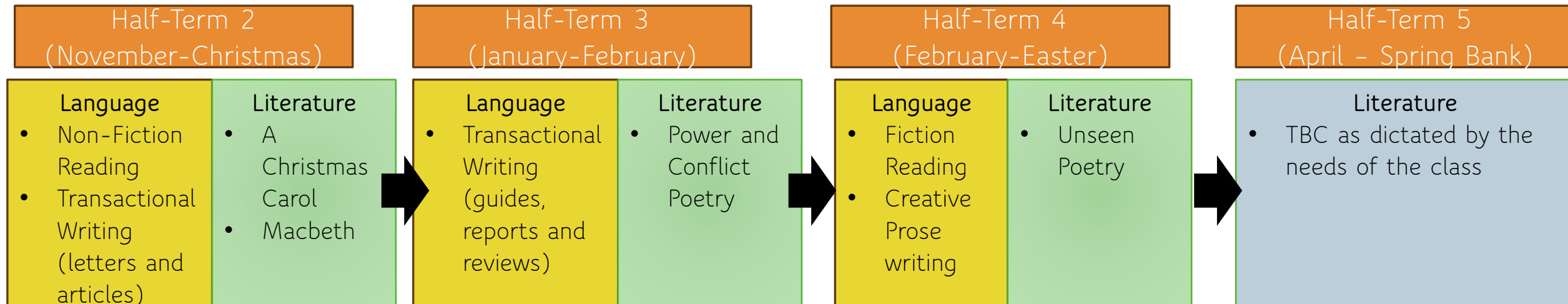
Through English language we have covered reading and inference skills for fiction and non-fiction and writing for a purpose (non-fiction) and for a narrative (fiction).

In literature, we have covered *Blood Brothers*, *A Christmas Carol*, *Macbeth* and a range of poetry.

Yr11 English Curriculum

As of now, we have covered the full exam specification through our curriculum, so for the remainder of year 11, students will be revisiting and developing their knowledge and skills in all elements of the language and literature curriculum.

The below is a loose structure of what we will be revising in class across the remainder of year 11, but this will vary from class to class as leaders and teachers analyse the specific gaps in knowledge of each class and tailor the revision curricula to those needs.



Outside of lesson time, please support your child with completing purposeful, independent revision. There are practice exam questions, guides to *how* to purposefully revise and revision guides for all elements of the exam saved on the school website. In addition, students need to seek out their teachers proactively and ask to go through their independent revision work outside of lesson time.

- Write about:
- how Shakespeare presents Lady Macbeth in this speech
 - how Shakespeare presents Lady Macbeth in the play as a whole. [30 marks]
- SPAG [4 marks]



With a skills based subject like English language – practice of the skills is essential and the most useful revision

NON-FICTION READING

- THIS SKILL USES A SIMILAR SKILL SET TO THE **FICTION READING** PAPER.
- THE BEST WAY TO REVISE IS TO:
 - GO OVER THE EXPECTATIONS AND SUCCESS CRITERIA FOR EACH TYPE OF QUESTION. YOU CAN FIND THESE IN YOUR **EXERCISE BOOKS** OR THE **NON-FICTION READING STUDENT SUPPORT PACK** YOU WILL BE GIVEN.
 - PRACTISE THE QUESTIONS IN TIMED CONDITIONS. THERE ARE PLENTY OF SAMPLE QUESTIONS IN THE **STUDENT SUPPORT PACK**.
- YOUR TEACHER MAY BE ABLE TO SIT WITH YOU OUTSIDE OF LESSON AND GO THROUGH ANY SAMPLE WORK YOU HAVE DONE. ALTERNATIVELY, THE WEEKLY ACHIEVE SESSION (MONDAY) AND FRIDAY INTERVENTION FORM WILL ALWAYS BE STAFFED BY SOMEONE WHO CAN HELP.



Again, practising of skills is important, but only once students are secure in the knowledge of the content of the book

A CHRISTMAS CAROL

- THE BEST WAYS TO REVISE ARE TO:
 - USE THE FOLLOWING SOURCES TO FAMILIARISE YOURSELF WITH THE PLOT, CHARACTERS AND THEMES. TURN THESE SOURCES INTO REVISION MATERIALS (FLASHCARDS, MIND MAPS, PODCASTS ETC):
 - **STUDENT SUPPORT PACK**
 - SPARKNOTES WEBSITE [HTTPS://WWW.SPARKNOTES.COM/LIT/CHRISTMASCAROL/](https://www.sparknotes.com/lit/christmascarol/)
 - GENIUS WEBSITE [HTTPS://GENIUS.COM/CHARLES-DICKENS-A-CHRISTMAS-CAROL-PART-1-ANNOTATED](https://genius.com/charles-dickens-a-christmas-carol-part-1-annotated)
 - LITCHARTS WEBSITE (THEME TRACKER FUNCTION IS ESPECIALLY USEFUL) [HTTPS://WWW.LITCHARTS.COM/LIT/A-CHRISTMAS-CAROL](https://www.litcharts.com/lit/a-christmas-carol)
 - YORKNOTES REVISION GUIDE
 - YOUR **EXERCISE BOOKS**
 - YOUR OWN ANNOTATED COPIES OF THE TEXT
 - DON'T **JUST READ OVER NOTES/REVISION MATERIALS.** USE THEM TO PLAN RESPONSES TO SAMPLE QUESTIONS. QUESTIONS CAN BE FOUND IN THE **STUDENT SUPPORT PACK.**
 - **PRACTISE THE QUESTIONS IN TIMED CONDITIONS.** THERE ARE PLENTY OF SAMPLE QUESTIONS IN THE **STUDENT SUPPORT PACK.**
- YOUR TEACHER MAY BE ABLE TO SIT WITH YOU OUTSIDE OF LESSON AND GO THROUGH ANY SAMPLE WORK YOU HAVE DONE. ALTERNATIVELY, THE WEEKLY ACHIEVE SESSION (MONDAY) AND FRIDAY INTERVENTION FORM WILL ALWAYS BE STAFFED BY SOMEONE WHO CAN HELP.

Yr11 Maths Curriculum

The Maths curriculum covers over 300 individual skills that build up and interleave over time...

Number
121

From: ordering positive integers and decimals, placing on a number line

To: error intervals, limits of accuracy rationalising surds involving expanding binomials

Algebra
99

From: Simplifying simple linear expressions

To: Find and estimate instantaneous and average rates of change (tangents and chords) and proof by algebraic deduction

Geometry and measure
65

From: Using a ruler to measure a line accurately

To: Sine and cosine rules (including the ambiguous case of the sine rule) and Proving the circle theorems

Stats and data
41

From: Categorical (qualitative) data and frequency tables

To: Multiple strategies for solving probability problems - tree diagrams, Venn diagrams, two-way tables, applying the 'AND' and 'OR' rules

What your child will be working on for the rest of the year...

From January to the end of the year we will be focusing entirely on:

Exam technique

Week 1: Students will start a past paper in class, then take it home to **complete**. They must bring it back in for their teacher to mark.

For each past paper, students will receive a Question Level Analysis (QLA) providing them with individualised feedback.

Week 2: Students will complete a 'shadow' paper at home and bring it in to mark in class using a mark scheme, developing their understanding of how marks are awarded.

Questions	Topic	Score	Sparx Code
1	Understanding and ordering integers	1 / 1	U600
2	Converting between fractions, decimals and percentages	1 / 1	U888
3	Using a ruler	1 / 1	M985
4	Finding the lowest common multiple (LCM)	1 / 1	U751
5	Using the correct order of operations	1 / 1	U976
6	Finding fractions of amounts without a calculator	2 / 3	U881
7a	Finding the mode	0 / 1	U260
7b	Calculating the range	0 / 1	U526
7c	Writing probabilities as fractions	0 / 1	U408
8	Converting units of length, mass and capacity	2 / 3	U388
9a	Reading and plotting coordinates	0 / 1	U789
9b	Calculating midpoints	1 / 2	U933
9c	Plotting horizontal and vertical lines	0 / 1	M797
10	Ordering fractions	2 / 2	U746
11	Reflection	2 / 2	U799

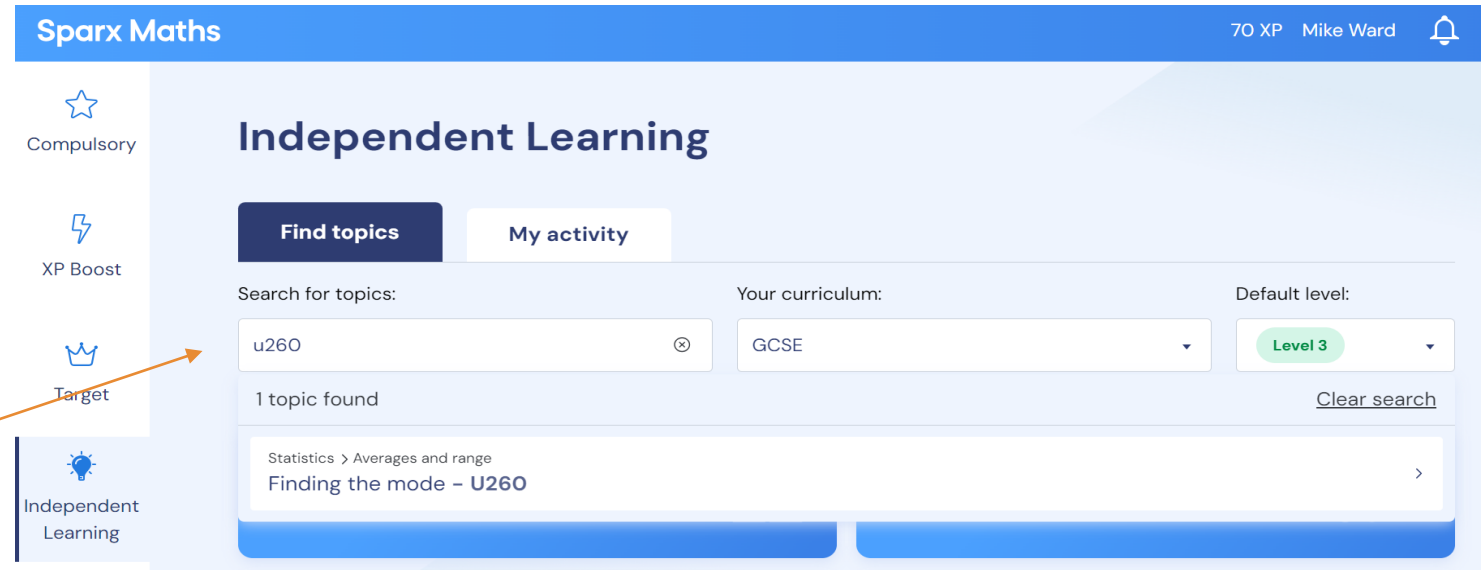
Recall and retention

The teacher will use the class QLA to identify any gap in student knowledge and find areas where more marks could be gained. The following two weeks lessons will be based on developing either the skills base or exam technique needed to improve. Students will then receive a 'shadow' paper to complete at home to see if they have improved.

This cycle will repeat fortnightly.

How you can support at home...

Questions	Topic	Score	Sparx Code
1	Understanding and ordering integers	1 / 1	U600
2	Converting between fractions, decimals and percentages	1 / 1	U888
3	Using a ruler	1 / 1	M985
4	Finding the lowest common multiple (LCM)	1 / 1	U751
5	Using the correct order of operations	1 / 1	U976
6	Finding fractions of amounts without a calculator	2 / 3	U881
7a	Finding the mode	0 / 1	U260
7b	Calculating the range	0 / 1	U526
7c	Writing probabilities as fractions	0 / 1	U408
8	Converting units of length, mass and capacity	2 / 3	U388
9a	Reading and plotting coordinates	0 / 1	U789
9b	Calculating midpoints	1 / 2	U933
9c	Plotting horizontal and vertical lines	0 / 1	M797
10	Ordering fractions	2 / 2	U746
11	Reflection	2 / 2	U799



Sparx Maths 70 XP Mike Ward

Independent Learning

Find topics My activity

Search for topics: u260 Your curriculum: GCSE Default level: Level 3

1 topic found

Statistics > Averages and range
Finding the mode - U260

- Ensure students are completing papers and handing them in on time
- Direct them to their individual QLA using Sparx- watch the videos
- Encourage students to attend Achieve sessions

Year 9

<div>Biology Cell structure</div>	<div>Biology Cell transport</div>	<div>Chemistry: Atomic structure</div>	Half Term	<div>Y9 Chemistry Atomic structure</div>	<div>Physics: Energy</div>	Christmas	<div>Biology : Organisation</div>	Half Term	<div>Chemistry: Chemical reactions and states of matter</div>	Easter	<div>Physics : particle model of matter</div>	<div>Biology : Cell division</div>	Half term	<div>Biology : Cell division</div>	<div>Physics : Electricity</div>						
70% 4.1		80% 5.1		30% 4.1	30% 5.1		40% 6.1		20% 4.1		20% 5.1	20% 6.1		40% 4.2	15% 4.1	15% 5.1	15% 6.1	15% 4.2	15% 5.2	15% 6.3	15% 4.1/2

Year 10

4.3 Infection and response			5.3 Quantitative chemistry	5.4 Chemical changes	Half Term			5.4 Chemical changes	6.4 Atomic structure	4.4 Bioenergetics	Christmas			4.4 Bioenergetics	5.5 Energy changes	5.6 Rate and extent of chemical change	Half Term			5.6 Rate and extent of chemical change	6.1 Energy	6.2 Electricity	Easter			4.5 Homeostasis	5.7 Organic chemistry	Half term			6.3 Particle model of matter	6.5 Forces								
70% 4.3			30% 5.3						20% 4.3	20% 5.3	40% 5.4	40% 6.4				40% 4.4	20% 5.5				10% 4.3	10% 5.3	10% 5.4	10% 6.4	20% 4.4	10% 5.5	30% 5.6				20% 4.4	20% 4.4	30% 5.6	30% 5.6				Full paper B1,C1 and P1		
																					10% 4.3	10% 5.3	10% 5.4	10% 6.4														B2 4.5	C2 5.6+5.7	P2 6.5












Year 11

<div>6.5 Forces</div> <div>50% 6.5 Forces</div>	<div>4.6 Inheritance</div> <div>50% 4.6 Inheritance</div>	Half Term	<div>5.8 Chemical analysis</div> <div>Mocks Assess everything taught</div>	4.7 Ecology	Mock period	Christmas	<div>5.9 Chemistry of the atmosphere</div> <div>PPE Assess all but 6.7</div>	6.6 Waves	Half Term	<div>5.10 using the earth's resources</div> <div>Formative assessment and exam practice.</div>	6.7 Electromagnetism	Easter	Exam period begins	Half term	
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Yr11 Science Curriculum

How are mathematical skills built in over time?

Year 9

			Half Term			Christmas		Half Term		Easter			Half term		
<ul style="list-style-type: none">MS 1 – using standard form and converting units (microscope calculations and stating the size of the atom and nucleus, surface area calculations)MS 2 – order of magnitude calcs				<ul style="list-style-type: none">MS 1 – using standard form and converting units (energy calculations)			<ul style="list-style-type: none">MS 1 – understanding rates of reaction for enzymes practical and rates of transpirationMS 2 – looking at and interpreting data with regards to diseases such as CHD		<ul style="list-style-type: none">MS 1 – converting unitsMS 1 – rates of reactions		<ul style="list-style-type: none">MS 1 – using standard form and converting units (s.h.c calculations)MS 4 – Plotting data for S.H.C practical and calculating a gradient (HT ONLY))			<ul style="list-style-type: none">MS 1 – using standard form and converting units (energy calculations)	

Year 10

<div>4.3 Infection and response</div> <div>5.3 Quantitative chemistry</div> <div>5.4 Chemical changes</div>			Half Term	<div>5.4 Chemical changes</div> <div>6.4 Atomic structure</div> <div>4.4 Bioenergetics</div>			Christmas	<div>4.4 Bioenergetics</div> <div>5.5 Energy changes</div> <div>5.6 Rate and extent of chemical change</div>			Half Term	<div>5.6 Rate and extent of chemical change</div> <div>6.1 Energy</div> <div>6.2 Electricity</div>			Easter	<div>4.5 Homeostasis</div> <div>5.7 Organic chemistry</div>		Half term	<div>6.3 Particle model of matter</div> <div>6.5 Forces</div>	
<ul style="list-style-type: none">MS 2 – quantitative chem – rearranging equations, converting units, precision, accuracy of data and resolution of equipment				<ul style="list-style-type: none">MS 4 – atomic structure – constructing half life graphsMS				<ul style="list-style-type: none">MS 4 – Energy changes – exothermic and endothermic graphs				<ul style="list-style-type: none">MS 3 – equations Unit 6.1 and 6.2MS 4 – rate of reactions – plotting data, calculating gradient and drawing a tangentMS 2 – Calculating means and repeating investigations for rates of reaction				<ul style="list-style-type: none">MS 4 – graph skills			<ul style="list-style-type: none">MS 3 – equations (unit 6.3)MS 4 – graph skills (unit 6.3)MS 1 and 5 – resultant force scale diagrams	
<div>Year 11</div>																				

Year 11

<div>6.5 Forces</div>		<div>4.6 Inheritance</div>	Half Term	<div>5.8 Chemical analysis</div>	<div>6.6 Waves</div>	Mock period	Christmas	<div>5.9 Chemistry of the atmosphere</div>	<div>4.7 Ecology</div>	Half Term	<div>5.10 using the earths resources</div>	<div>6.7 Electromagnetism</div>	Easter	Exam period begins		Half term	
<ul style="list-style-type: none">MS 5 – using protractors to measure angles in resolving forces		<ul style="list-style-type: none">Forces MS 3 – apply and rearrange equations (wave speed calcs)MS 1d – making estimates from dataMS 2d – sampling techniques in ecology (field investigations)		<ul style="list-style-type: none">Waves – MS 3 – apply and rearrange equations (wave speed calcs)	<ul style="list-style-type: none">Electromagnets (HT) – MS 3 – apply and rearrange equations ($F = BiL$)												

How are science practical skills built over time?

Year 9

Biology Cell structure	Biology Cell transport	Chemistry: Atomic structure	Half Term	Y9 Chemistry Atomic structure	Physics: Energy	Christmas	Biology : Organisation	Half Term	Chemistry: Chemical reactions and states of matter	Easter	Physics : particle model of matter	Biology : Cell division	Half term	Biology : Cell division	Physics : Electricity
<ul style="list-style-type: none"> Biology AT7 – using microscopes – images of cells in videos, bioviewers, photographs Chemistry AT4 Safe use of a range of equipment to separate chemical mixtures 				Physics AT 1 and 5 – Specific heat capacity required practical Physics AT 1, 5 Investigate thermal conductivity using rods of different materials.			<ul style="list-style-type: none"> AT 7 Observation and drawing of a transverse section of leaf. AT 3, 4, and 5 - Measure the rate of transpiration by the uptake of water. 				Physics AT 1 Investigate density			physics AT 1, 6 and 7 – measurements for resistance of a wire and IV graphs	

Year 10

4.3 Infection and response	5.3 Quantitative chemistry	5.4 Chemical changes	Half Term	5.4 Chemical changes	6.4 Atomic structure	4.4 Bioenergetics	Christmas	4.4 Bioenergetics	5.5 Energy changes	5.6 Rate and extent of chemical change	Half Term	5.6 Rate and extent of chemical change	6.1 Energy	6.2 Electricity	Easter	4.5 Homeostasis	5.7 Organic chemistry	Half term	6.3 Particle model of matter	6.5 Forces
Chemistry AT 1, 2, 6 Opportunities within investigation of mass changes using various apparatus.				<ul style="list-style-type: none"> Chemistry AT6 Mixing of reagents to explore chemical changes and/or products Chemistry AT 2, 3, 4 and 6 – making salts required practical Chemistry AT 3 – using apparatus to investigate pH change Chemistry AT 3 and 7 – electrolysis of aqueous solutions 		<ul style="list-style-type: none"> Bioenergetics - AT 1, 3, 4 - Investigations into the effect of exercise on the body. Chemistry AT 5 – using thermometers to measure a temperature change during exo/endo reactions and the RP 			<ul style="list-style-type: none"> chemistry AT 1, 3, 5 and 6. – measuring the rate of a reaction using gas syringes, using apparatus to measure time physics AT 1, 6 and 7 – measurements for resistance of a wire and IV graphs 				chemistry AT 4 – using equipment to separate a mixture (chromatography)			<ul style="list-style-type: none"> chemistry AT 4 – using equipment to separate a mixture (chromatography) 			<ul style="list-style-type: none"> Physics AT 1 and 2 – investigating springs Physics AT 1, 2, 3 – investigating the relationship between force, mass and acceleration (RP) Physics AT1 – reaction times and stopping distances 	

Year 11

6.5 Forces	4.6 Inheritance	Half Term	5.8 Chemical analysis	4.7 Ecology	Mock period	Christmas	5.9 Chemistry of the atmosphere	6.6 Waves	Half Term	5.10 using the earths resources	6.7 Electromagnetism	Easter	Exam period begins	Half term	
<ul style="list-style-type: none"> Chemistry AT 2 – safe use of a Bunsen when testing for gases. 			<ul style="list-style-type: none"> Biology AT 1, 3, 4 and 6 – quadrats and sampling living organisms 				chemistry AT 4 – safe use of heating equipment when purifying water Physics AT 1 – investigating wave speed with ripple tank and wave on a string and radiation and absorption								

Yr11 Science Curriculum

How is science assessed?

Physics Paper 2

What's assessed

Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.

Multiple choice, structured, closed short answer, and open response.

Yr11 Science Curriculum

How is science assessed?

Biology Paper 1
What's assessed
Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.
How it's assessed
<ul style="list-style-type: none">• Written exam: 1 hour 15 minutes• Foundation and Higher Tier• 70 marks• 16.7% of GCSE
Questions
Multiple choice, structured, closed short answer, and open response.

Chemistry Paper 1
What's assessed
Chemistry topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.
How it's assessed
<ul style="list-style-type: none">• Written exam: 1 hour 15 minutes• Foundation and Higher Tier• 70 marks• 16.7% of GCSE
Questions
Multiple choice, structured, closed short answer, and open response.

Physics Paper 1
What's assessed
Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.
How it's assessed
<ul style="list-style-type: none">• Written exam: 1 hour 15 minutes• Foundation and Higher Tier• 70 marks• 16.7% of GCSE
Questions
Multiple choice, structured, closed short answer, and open response.

Biology Paper 2
What's assessed
Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
How it's assessed
<ul style="list-style-type: none">• Written exam: 1 hour 15 minutes• Foundation and Higher Tier• 70 marks• 16.7% of GCSE
Questions
Multiple choice, structured, closed short answer, and open response.

Chemistry Paper 2
What's assessed
Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.
How it's assessed
<ul style="list-style-type: none">• Written exam: 1 hour 15 minutes• Foundation and Higher Tier• 70 marks• 16.7% of GCSE
Questions
Multiple choice, structured, closed short answer, and open response.

Physics Paper 2
What's assessed
Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism
How it's assessed
<ul style="list-style-type: none">• Written exam: 1 hour 15 minutes• Foundation and Higher Tier• 70 marks• 16.7% of GCSE
Questions
Multiple choice, structured, closed short answer, and open response.

Yr11 Science Curriculum

Home learning

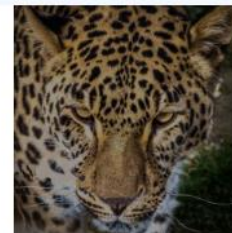
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Year 10 Combined Science Higher (Teach... 

03:00:33:56
DAYS HOURS MINUTES SECONDS

Student

YP

Every Year 11 student will have a **careers appointment** before applying to college.

Students must complete their **College applications on the 'Get Into' portal** they have made a start in Learning for Life lessons. Colleges in Calderdale and Kirklees will then take these applications when they apply. If a student wishes to apply outside of Calderdale and Kirklees or to Greenhead they must apply to the college directly through their website. Students must still complete 'Get into' as it centrally stores their information for them to use as needed.

If a student wants to apply for an apprenticeship they **must secure the job themselves**. All students should apply to at least **one college in case the apprenticeship falls through**.

To make progress beyond GCSE students must apply for a **Level 3 qualification**.

GCSE results day is **Thursday 22nd August 2024**.

Our aim – “Together, we are proud to be our best”

■ Thank you!

■ Please don't hesitate to contact us, if you have any queries about your child's learning.



Yr11 Year Lead

lynne.obrien@sharemat.co.uk



Exam information



Revision Tips and Techniques

