



Astrea Academy Trust
INSPIRING BEYOND MEASURE

WELCOME TO KEY STAGE 4 EVENING



Thursday 12th
September

Running Order

Mr Owen:	Vice Principal (Academic)
Mr Merson:	Assistant Principal: Director of Maths
Mr Lesurf:	Assistant Principal: Director of Science
Miss Fox:	Head of English
Mrs Carpenter:	Examinations Manager
Mrs Hills:	Head of Year 10


Mr Owen

Vice Principal (Academic)

neil.owen@astrea-longsands.org

The 9-1 GCSE reformed system

- 9 New GCSEs are graded from 9 to 1, with 9 being the highest grade
- 8 The new grades signal that more challenging content has been studied
- 7 The new grades better differentiate between students' abilities
- 6 English and maths are graded 9 to 1 this year. All others are A* to G
- 5 Fewer grade 9s are being awarded than A*s
- 4 Students who do not achieve a grade 4 or above in English and maths will need to continue to study these subjects
- 3 Employers, universities and colleges have been told that grade 4 is the nearest equivalent to a grade C
- 2 Ofqual has ensured that this year's students have not been disadvantaged by being the first to take the new GCSEs
- 1 This table shows how the new 9 to 1 grades compare with A* to G



New grading structure	Current grading structure
9	A*
8	
7	
6	B
5	
4	
3	D
2	
1	
U	U

Exam results overview - GCSEs

The Academy has seen some strong improvements over the last year:

English 9 – 5: up by 2.1% to 62% (2018: 59.9%)

Maths 9 – 5: up by 8.9% to 57% (2018: 48.1%)

Science 9-5: up by 11.8% to 62.1% (2018: 50.4%)

English and Maths combined 9 – 5: up by 5.5% to 47% (2018: 41.5%)

English 9 – 4: up by 3.3% to 79.3% (2018: 76%)

Maths 9 – 4: up by 6.6% to 80.3% (2018: 73.7%)

Science 9-4: up by 7.1% to 80.1% (2018: 73%)

	Target	Actual
9-5	63.1%	60.2%
9-7	21.7%	24%

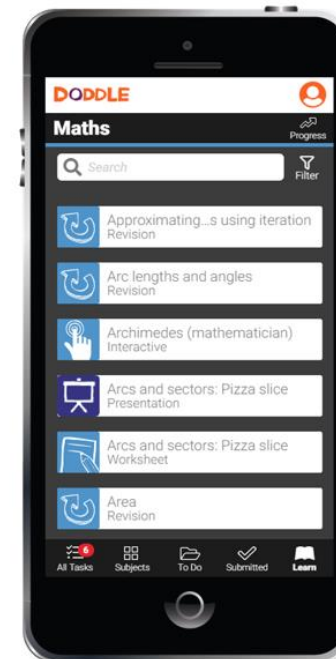
Supporting students, supporting themselves

DODDLE The Doddle App!



You can also download our app, enabling you to check your homework on-the-go!

Simply log in to the play store or the app store and search for 'Doddle'. You can then use your existing details to log in.



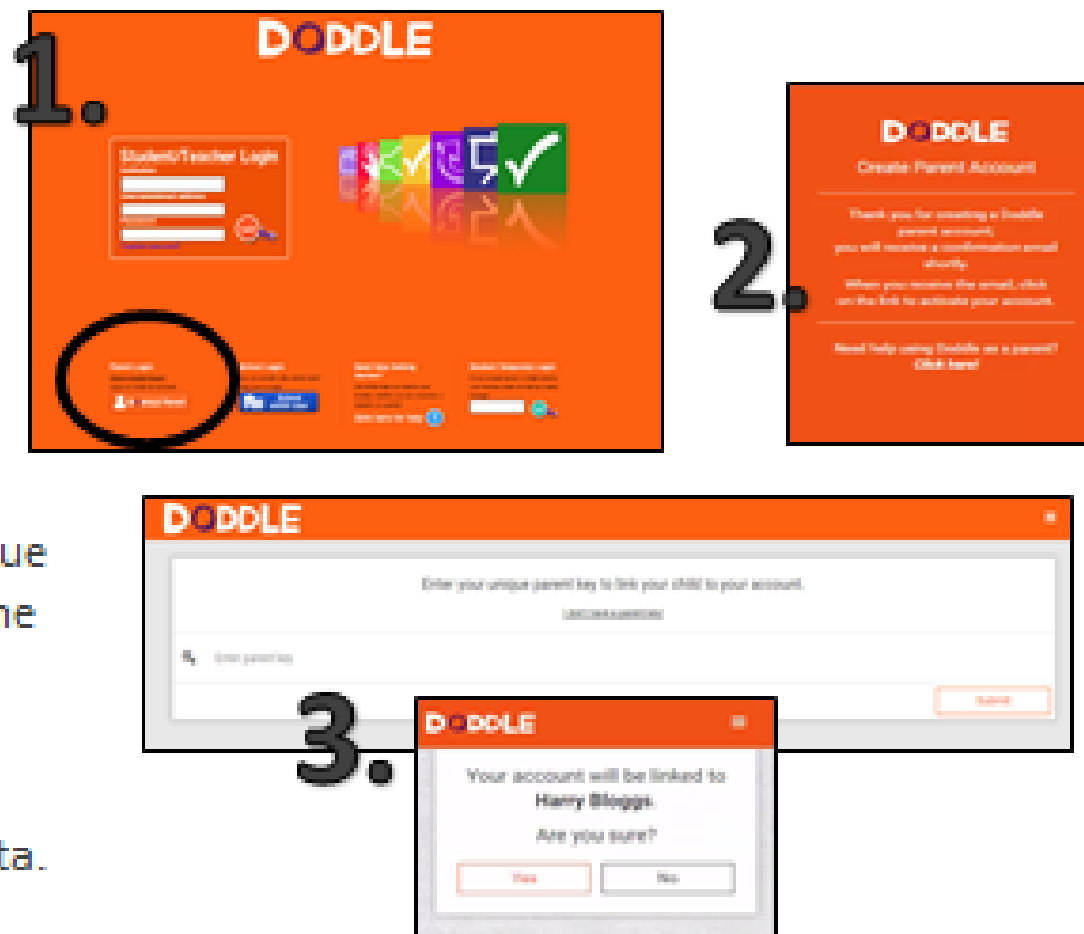
How do you set up an account?

1. Create your Doodle Parent account at www.doddlelearn.co.uk/app/parent/enrol using your own email address

2. Verify your account using the link sent to your email

3. You will then be given a unique key for your child/children by the school.

Once entered, this key will link your account to your child's data.



Homework: What will you see?

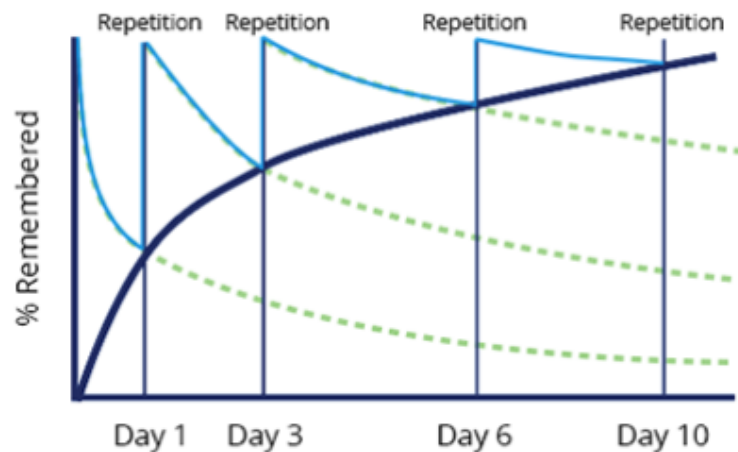


- You can see all details of the homework your child has been set
- You can view resources and even take quizzes yourself (don't worry – answering questions won't affect your child's score!)
- You can see all homework they have submitted, including their quiz scores

Supporting students achieve academic excellence

Spaced Learning and Repetition: How They Work and Why

Spaced Repetition



gcsepod.com

info@gcsepod.com

0191 338 7830

Did you know?

If you were to purchase GCSEPod privately, it would cost £200 per year.

Ensure your child makes the most of their free access through the school.

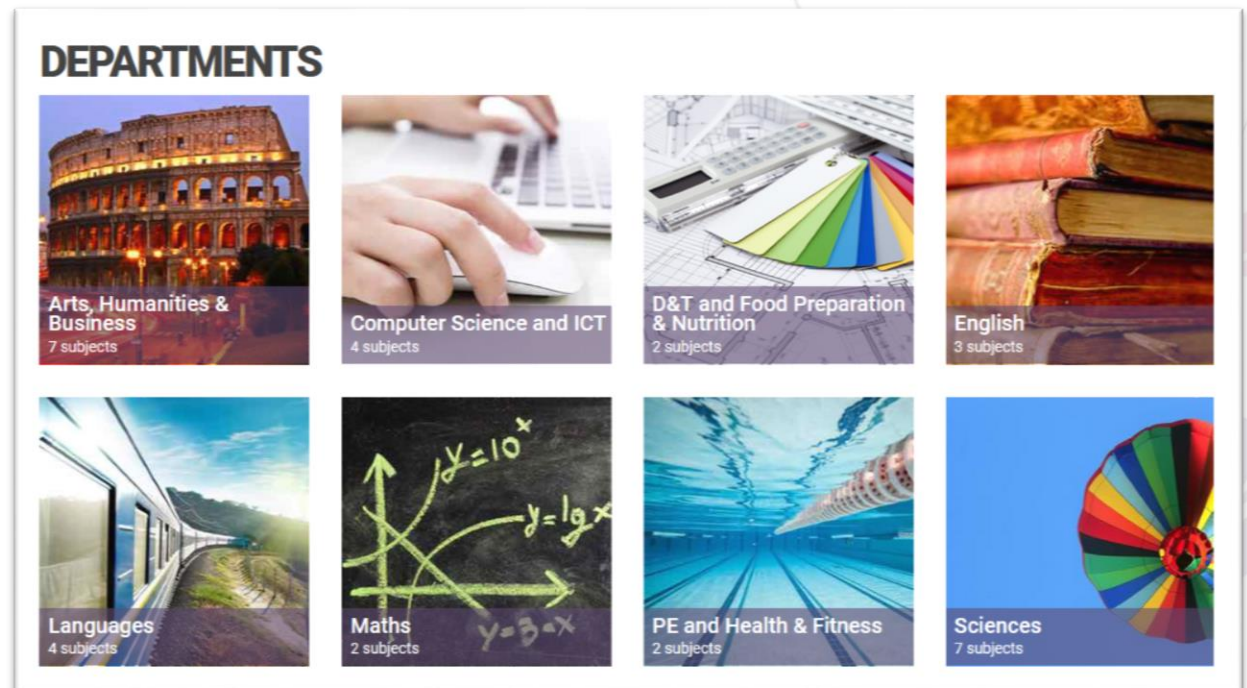


What's included?



Independent learning and revision materials:

- 21 GCSE subjects.
- Exam board specific.
- Available on computer, phone or tablet.
- Apps available for Android and Apple.



What's included?



Independent learning and revision materials:

- Each topic contains a playlist of 3-5 minute videos called “Pods.”
- Pods contain all key words, facts, quotes and labelled diagrams for full understanding.
- Can be watched online or downloaded for offline viewing (like BBC iPlayer).
- Students can organise Pods into playlists and favourite Pods to return to (like YouTube or Spotify).



When used effectively, GCSEPod can have a BIG impact on final grades:

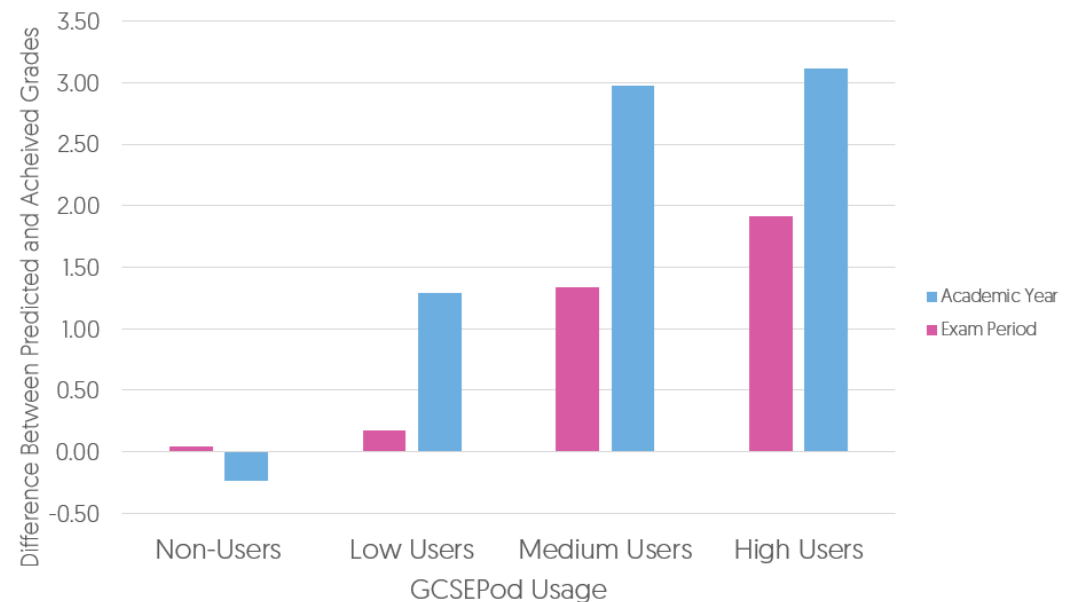


Data from over 2,200 students shows that higher GCSEPod users are more likely to exceed their predicted grades by a larger margin than those who don't use GCSEPod.

High academic year usage yielded a greater impact than high usage in just the exam period.

On average, highest users received 3 grades higher across their subjects than predicted.

Average Predicted versus Achieved Attainment 8 by Category of GCSEPod User



High Users = average 122 Pods watched in academic year
Medium = average 34 Pods watched in academic year
Low = average 6 Pods watched in academic year
Non Users = 0 Pods watched in academic year

Anywhere, anytime



At school

To the shops

Travelling

In the car

At home

On the paper round

At the gym

Travelling to and from school

“

My son found the GCSEPods very handy as he could listen to the videos on the school bus in the morning.

He did really well in his GCSEs so we both appreciate your resources very much.

Parent

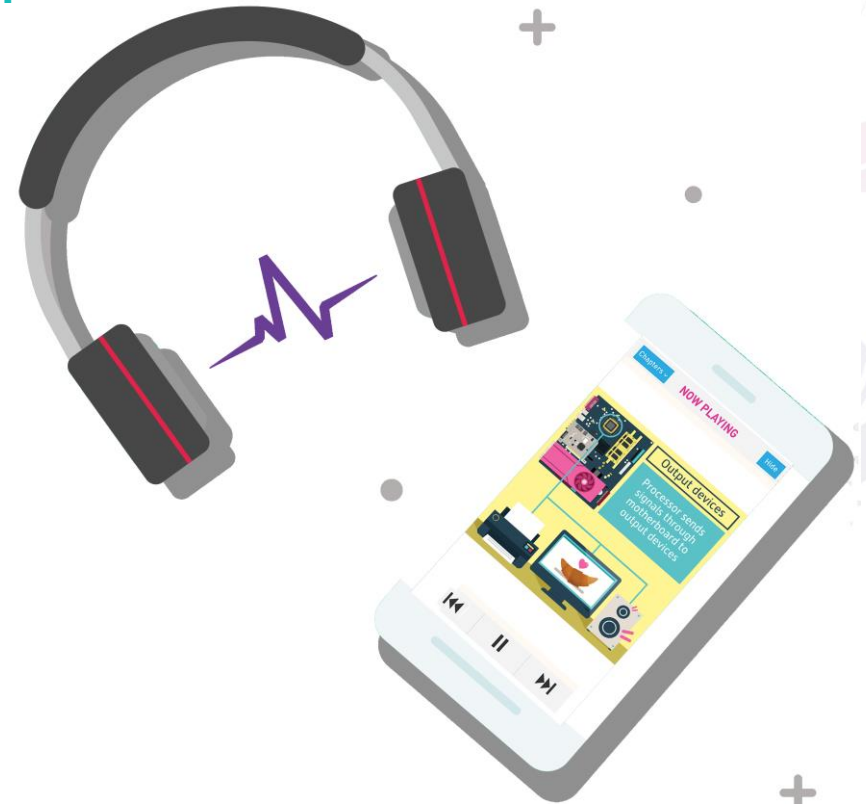
”



How GCSEPod can help your child



1. Make learning and revision much more manageable.
2. Enhance subject knowledge recall.
3. It allows you to get involved with your child's progress.
4. Improve your child's confidence and motivation.
5. Pre-made exam playlists help to organise revision.
6. Takes the stress out of learning.



Tips for using GCSEPod with your child

1. Watch **online** or **offline**! Download Pods to a mobile device before travelling. This way you can make normally wasted time into productive learning time.
2. Create **Playlists**! Use the **My Playlist** area to create bespoke playlists on topics that they may find challenging. This gives fast access to Pods that will help to fill in knowledge gaps.
3. Use **memory cards**! Watch the Pods and then together write **key facts, dates, diagrams and quotes**. Then test their knowledge to see how much they remember.

Top Tip Turn it into a competition and reward your child for correctly answered questions.*



Your child can access GCSEPod by following the instructions below:

1. Go to: www.gcsepod.com



2. Click New Here? Get Started!

NEW USER

FIRST NAME	<input type="text" value="Forename"/>
LAST NAME	<input type="text" value="Surname"/>
DATE OF BIRTH	<input type="text" value="1"/> <input type="text" value="January"/> <input type="text" value="2004"/>
SCHOOL	<input type="text" value="Search for your school"/>

[Been here before?](#)

3. Enter your details

4. Create your username and password

Or, if they've already activated their account, they can simply enter their username and password.

Revision Timetable

You do not need to study from 8am-10pm; decide which hours of the day you can concentrate best

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:00							
9:00							
10:00							
11:00							
12:00							
1:00							
2:00							
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							
9:00							
10:00							

Don't be over ambitious – break work down into small chunks. Assess how familiar you are with each topic and focus on your weak areas. Take breaks, do short (20 minute) sessions often and include fun stuff / rewards – that way you are more likely to stick to your timetable.

Mr Merson

Assistant Principal – Director of Maths

julian.merson@astrea-longsands.org

GCSE exam structure

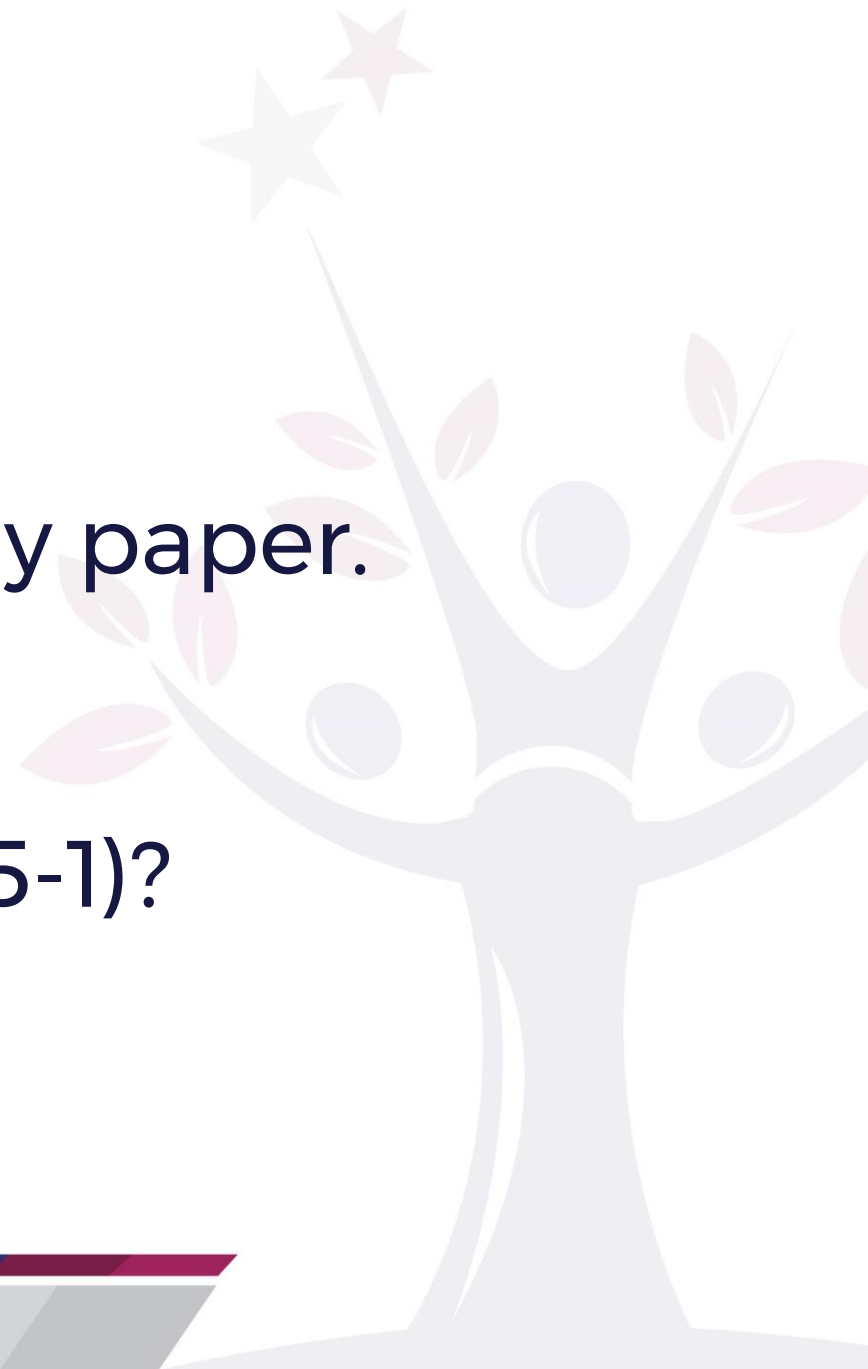
Three 90 minute papers.

Paper 1: non-calculator.

Content can appear on any paper.

Higher tier (grades 9-4)....

....Foundation tier (grades 5-1)?



Progress in maths

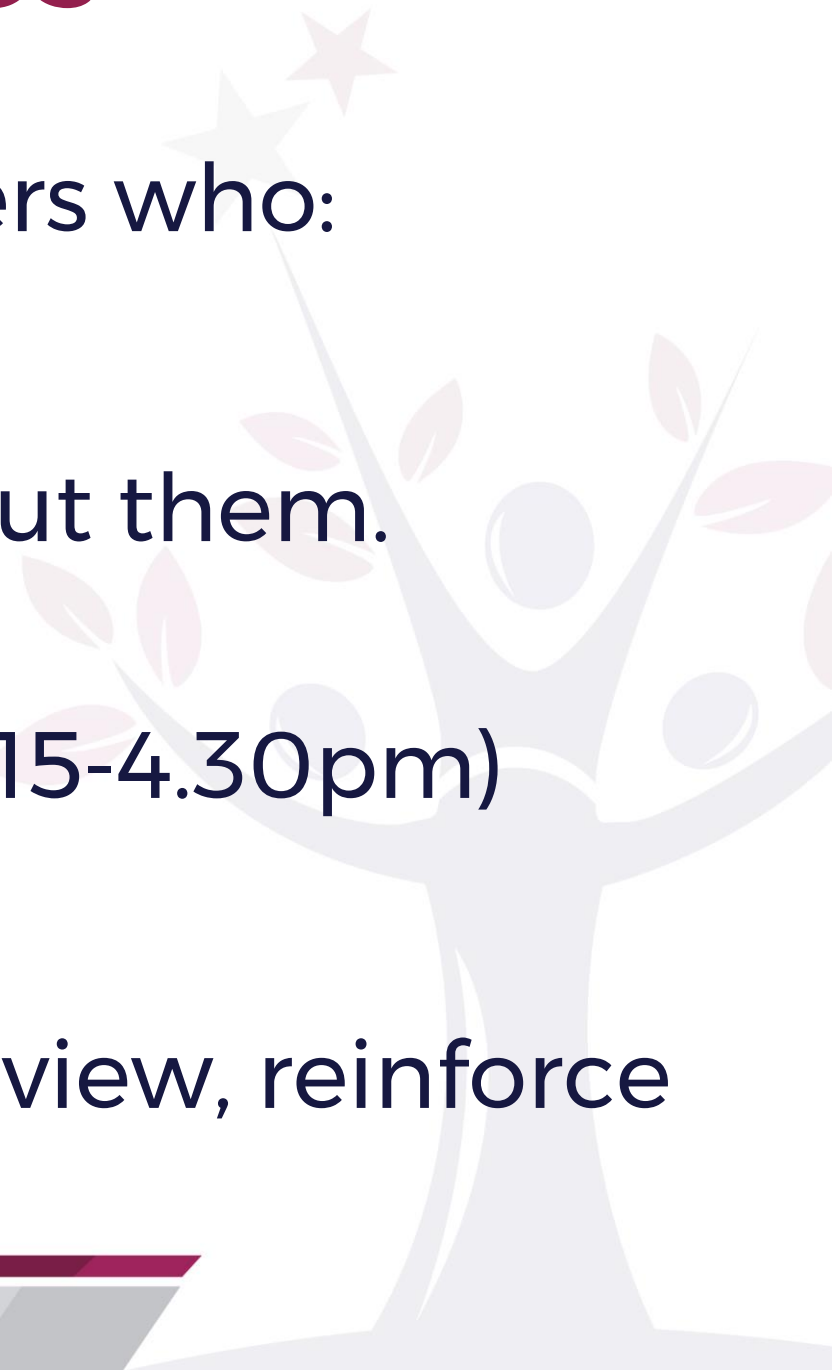
Making the difference

Y11 Mock Total	Y11 mock grade	Y11 mock fine grade	Final tier	Final mark	Actual exam result	GCSE total v mock total
82	2	2B	F	104	3	22
30	3	3B	H	74	5	44
68	5	5C	H	84	5	16
78	2	2B	F	92	3	14
98	6	6C	H	127	7	29
41	3	3A	H	57	4	16
44	4	4C	H	80	5	36
95	3	3C	F	136	4	41
191	9	9C	H	214	9	23
39	3	3A	H	70	4	31
106	3	3B	F	146	4	40
89	2	2A	F	137	4	48
114	6	6A	H	157	8	43
103	3	3C	F	138	4	35
46	4	4C	H	65	4	19
148	7	7A	H	170	8	22
22	U	U2	F	23	U	1
68	5	5C	H	102	6	34
55	4	4B	H	101	6	46

Self-help strategies

Active, independent learners who:

- Make mistakes.....
-and do something about them.
- Attend maths clinic
(Wednesday/Thursday 3.15-4.30pm)
- Use Heggarty Maths
- Ask, find out, discover, review, reinforce



Active learners...

...students improve their maths by doing maths



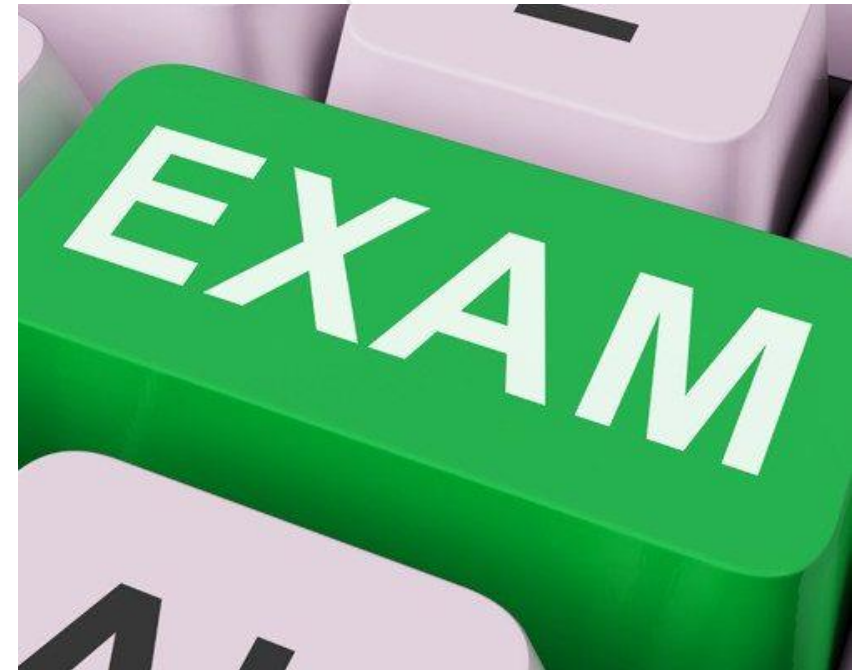
Mr Martin

2 i/c Science

peter.martin@astrea-longsands.org

Preparation for End of Unit Tests

- **At the end of each unit there is a test. Use GCSE Pod to revise.**
- **Revision and prep work essential.**
- **Visit Science Clinic if you are struggling.**
- **Use the revision guides and the free online text book (on Kerboodle).**




Science Clinic



Every Thursday Science clinic is staffed by Biologists, Physicists and Chemists. Bring your Science problems to us and we will be happy to help you...

Physics Equation Sheet

Science Guidance



VERY IMPORTANT

GCSE Physics Equations (you need to learn!)

Triple students must learn all equations (and be able to use 12 others).

Trilogy (Double) students must learn all equations, except Eqn 4 and 5 (and be able to use 6 others).

In solving quantitative problems, students should be able to recall and apply the following equations, using standard SI units.

Equations required for Higher Tier papers only are indicated by HT in the left hand column.

Equation number	Word equation	Symbol equation
1	weight = mass \times gravitational field strength (g)	$W = m g$
2	work done = force \times distance (along the line of action of the force)	$W = F s$
3	force applied to a spring = spring constant \times extension	$F = k e$
4	moment of a force = force \times distance (normal to direction of force)	$M = F d$
5	pressure = $\frac{\text{force normal to a surface}}{\text{area of that surface}}$	$p = \frac{F}{A}$
6	distance travelled = speed \times time	$s = v t$
7	acceleration = $\frac{\text{change in velocity}}{\text{time taken}}$	$a = \frac{\Delta v}{t}$
8	resultant force = mass \times acceleration	$F = m a$
9 HT	momentum = mass \times velocity	$p = m v$
10	kinetic energy = $0.5 \times \text{mass} \times (\text{speed})^2$	$E_k = \frac{1}{2} m v^2$
11	gravitational potential energy = mass \times gravitational field strength (g) \times height	$E_p = m g h$
12	power = $\frac{\text{energy transferred}}{\text{time}}$	$P = \frac{E}{t}$
13	power = $\frac{\text{work done}}{\text{time}}$	$P = \frac{W}{t}$
14	efficiency = $\frac{\text{useful output energy transfer}}{\text{total input energy transfer}}$	
15	efficiency = $\frac{\text{useful power output}}{\text{total power input}}$	
16	wave speed = frequency \times wavelength	$v = f \lambda$
17	charge flow = current \times time	$Q = I t$
18	potential difference = current \times resistance	$V = I R$
19	power = potential difference \times current	$P = V I$
20	power = (current) $^2 \times$ resistance	$P = I^2 R$
21	energy transferred = power \times time	$E = P t$
22	energy transferred = charge flow \times potential difference	$E = Q V$
23	density = $\frac{\text{mass}}{\text{volume}}$	$\rho = \frac{m}{V}$

61

Kerboodle Access

Science Guidance

kerboodle

Longsands Academy
Science

Kerboodle is an online resource the science department have subscribed to for GCSE (year 9, 10 & 11) science students. It has a vast range of resources for students to use, including a digital copy of all the science textbooks. Your teacher will show you how to use the website in detail in lessons, if in doubt (about ANY of this)....
Please just ask!

To log in you need to enter your username, password and institution code. See below;

Username/Email
jbloggs

Password

Institution Code
obn0

☒ Remember me

Log in

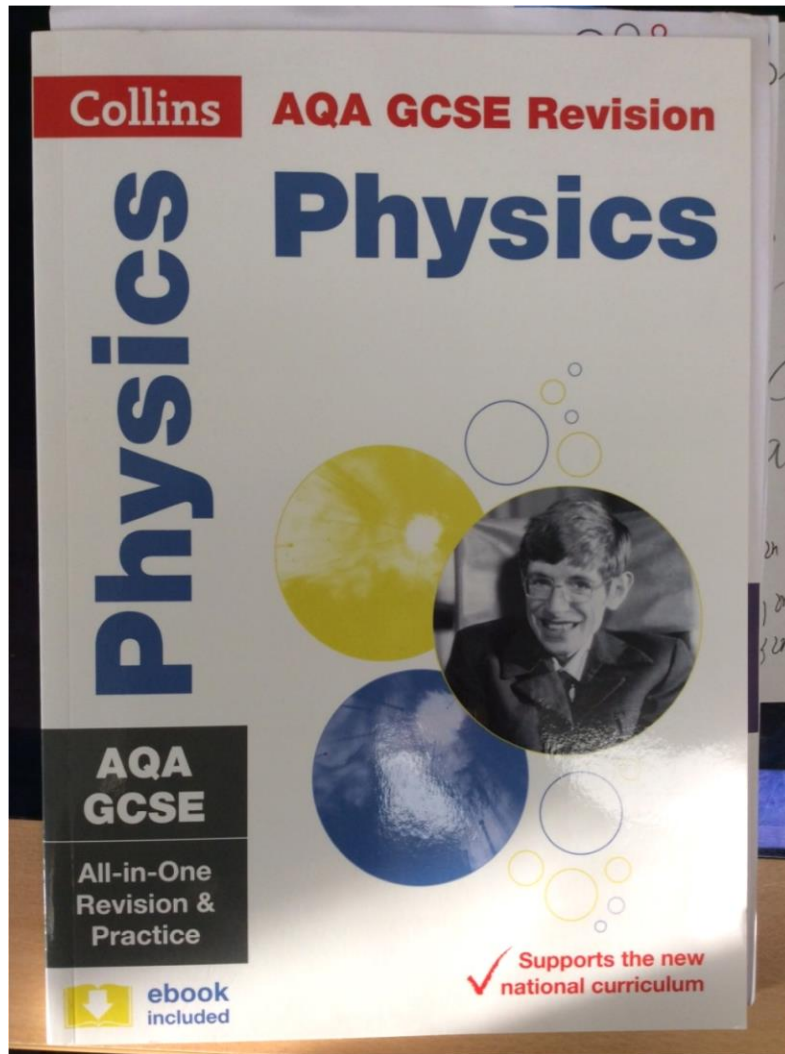
Your username and password are your first initial followed by your surname. For example , for 'Jane Bloggs' it would be 'jbloggs' for both username and password. *

The institution code is 'obn0'. (That is; the letters 'o', 'b', 'n' followed by the number '0'.

* Once you have logged in it asks you to change your password, if you have forgotten this your teacher can reset it for you.
* If there is another 'jbloggs' your username and password will be 'jbloggs1' or 'jbloggs2' etc.

63

Buy Our Recommended Revision Guides



- Shortly we will open up orders on Parent Pay for revision guides – please order them if you can.
- These will be used regularly in class and will be a useful tool for help with home learning and revision.
- Students need to have access to a scientific calculator – please ensure that your child is properly equipped.

Six Steps to Success

- 1) Revise for End of Unit Tests and Mocks**
- 2) Attend Science Clinic regularly**
- 3) Learn your Physics Equations**
- 4) Make Use of Doddle and Kerboodle (including the free online text book)**
- 5) Buy/use the revision guide(s)**
- 6) Use GCSE Pod throughout the year**



Miss Fox

Head of English

Isabelle.fox@astrea-longsands.org

English Curriculum Overview

- 1) 2 GCSEs**
- 2) 100 quotations**
- 3) 16 questions**
- 4) 50 pieces of contextual information**
- 5) 25 technical terms**



How far through the course are we?

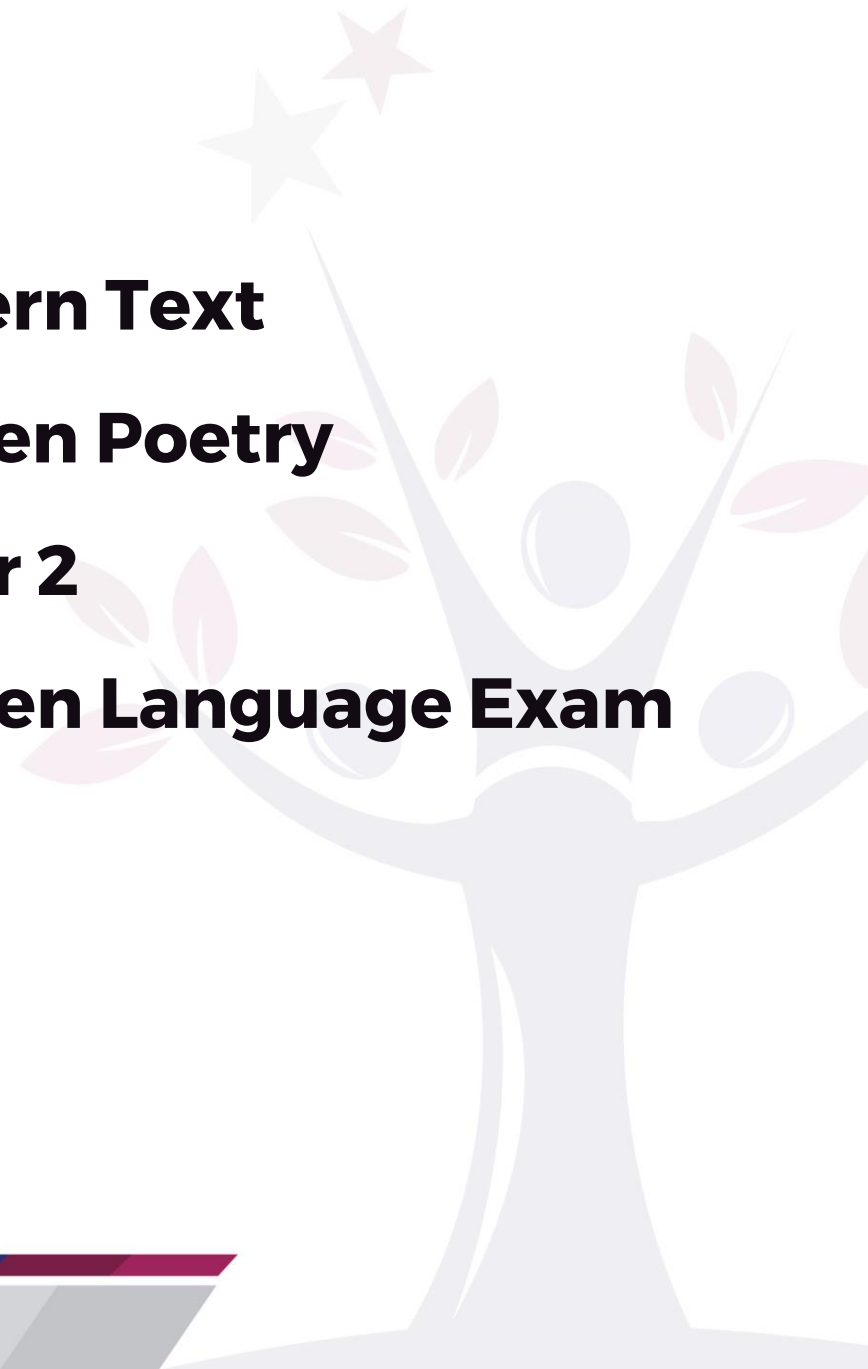
- ✓ **19th Century Text**
- ✓ **Shakespeare Play**
- ✓ **Paper 1**
- ✓ **Poetry Anthology**

Modern Text

Unseen Poetry

Paper 2

Spoken Language Exam



“You can’t really revise for English”

- 1. Learn key quotations**
- 2. Practise the skills on example questions**
- 3. Engage in lessons-
discuss, participate,
think**

Examiners on the Literature exam:
Students that “*know* their texts really well and have things to *say* about them” will always be rewarded.

Examiners on the Language exam:
Students need to have strategies to tackle new texts, make sense of them and be able to make insightful comments

Mrs Carpenter

Examinations Officer

**margaret.carpenter@astrea-
longsands.org**

Mrs Hills

Head of Year 10

Stephanie.hills@astrea-longsands.org

Key Stage 4- Who's who?



Mrs Hills
Head of Year 10



Mr Owen
*Senior Assistant Principal,
Director of Key Stage 4*



Miss Rose
Head of Year 11



Mr Breakspear
Deputy Head of Year



Mrs Stockwell
Senior Support Officer

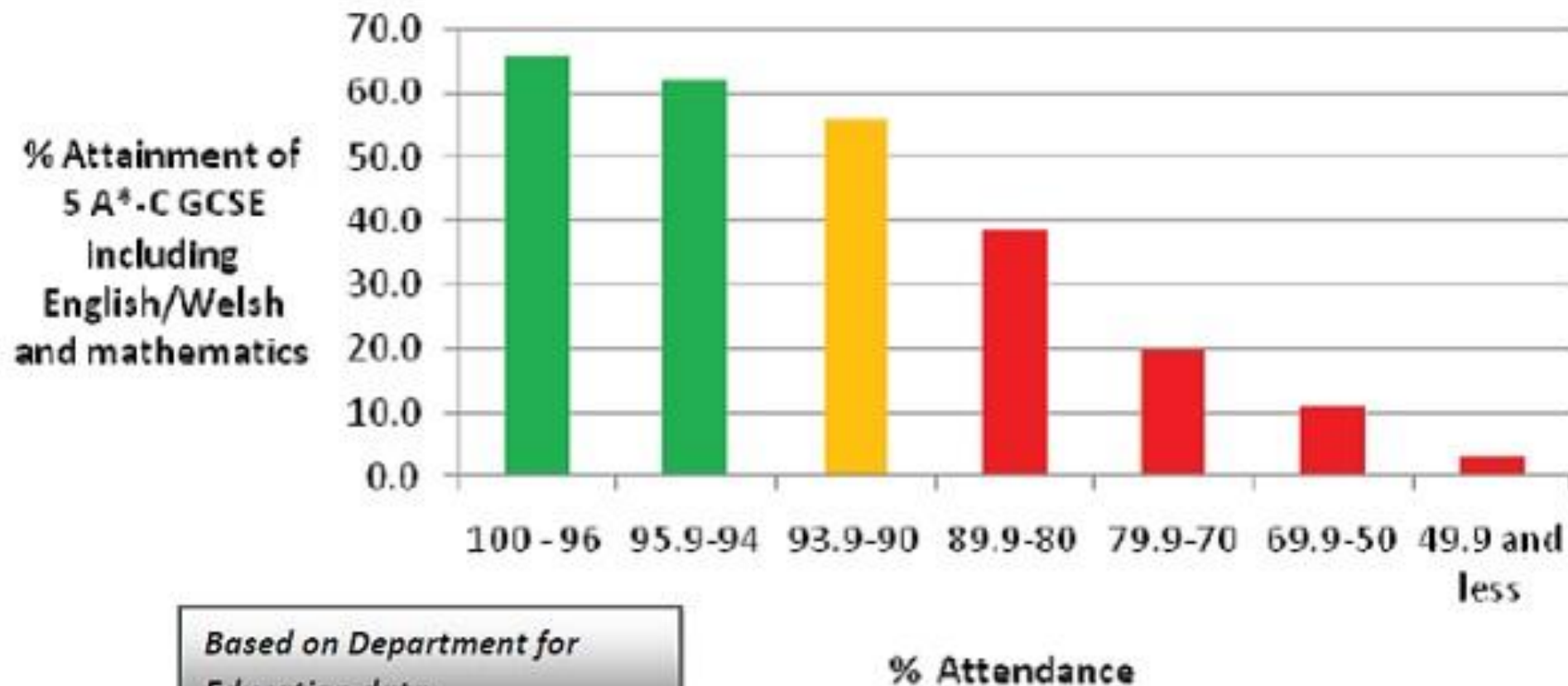


Miss Saunders
Assistant Head of Year



Mrs Jordan
*Student Support
and Admin Officer*

KS4 Attainment Compared to Attendance



WHAT'S YOUR ATTENDANCE?

The more school you miss, the harder it is for you to make good progress and achieve your potential.

%	Level	Impact	Action
99+	Excellent	Up to 2 days/ 10 lessons missed. Best chance of making good progress	Catch up on any work you missed.
97-99	Really Good	Up to 5 days / 25 lessons missed. Really good chance of making good progress.	Catch up on any work you missed.
95-97	Good	Up to 10 days/50 lessons missed. Decent chance of making good progress.	Catch up on any work you missed.
90-95	Not Good	Up to 20 days/100 lessons missed. To make good progress you'll have to work hard to catch up	Monitored by Form Tutors and the Attendance team
85-90	Worry	Up to 30 days/150 lessons missed. To make good progress you'll have to work really hard to catch up	HOY/Attendance Manager Involvement
0-85	Real Concern	More than 30 days/150 lessons missed. Missing this much school will make it very difficult to make good progress.	Educational Welfare Officer action.

Uniform – thank you!

Images of the new uniform

			
Girls Jacket	Boy's Jacket	V-neck jumper	Tie – Black with single white stripe
			
Girl's Trousers	Boy's Trousers	Skirt	

Communication

To the Academy

- Form Tutor
- Key Stage 4 Student Support Team
- Head of Department



From the Academy

- Newsletter
- in-touch
- Social media
- Principal's weekly message

Key Dates

*Work Experience Information Evening
Wednesday 6th November*

*PR1
Wednesday 20th November*

*Year 10 Exams
w/b 27th April and 4th May*

*Year 10 Parent Consultations
Thursday 11th June*

*Work Experience
w/b 29th June*

Thank you for attending this evening.