Key Stage 4 Information Evening

September 2021

Welcome and introductions

- Mr David Hurley – Assistant Headteacher Key Stage 4
- Mr Bruce Guyett – Deputy Headteacher
- Ms Sue Blessett – Head of Year 10
- Mrs Cath Haywood – Head of Year 11
- Heads of English, Maths and Science
- Mrs Bowman – Careers coordinator

Assessment summer 2023

- All GCSE subjects are assessed grades 9 - 1, with OCR Nationals assessed Pass to Distinction*.

- The content in each of the subjects is challenging and so do not be surprised when work being completed either in class or at home is difficult.

- Ofqual and the DfE will continue to update schools with any changes to assessment as a result of the pandemic e.g. amendments to coursework.

Assessment summer 2022

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- Ofqual and the DfE will continue to update schools with any changes to assessment as a result of the pandemic e.g. amendments to coursework.

- A full programme of assessments will run unless the pandemic dictates otherwise e.g. Year 11 assessments 8th November to 19th November.

- Crucial that students prepare thoroughly for these because if the government change once more how students will be assessed summer 2022, these assessments could be used as evidence of a learner's ability.

Target grades - Yr10

- Over the coming weeks Yr.10 will receive a target grade for each of their subjects.
- This target grade has been generated by the Family Fisher Trust (FFT), an educational data analysis tool. FFT uses data from the DfE to help schools to set targets, track pupil progress and to evaluate performance.
- Targets can be set at three levels; FFT50, FFT20 and FFT5. The result of a child's Year 6 SATS result contributes heavily to this target.
- Kings will communicate what benchmarks are to be used in target setting for Yr10 students over the coming weeks.

Target grades - Yr11

- Year 11 have a target grade for each of their subjects. This aspirational target has been generated by the Family Fisher Trust (FFT).
- Targets can be set at three levels; FFT50, FFT20 and FFT5. The result of a child's Year 6 SATS result contributes heavily to this target.
- Year 11 have their targets set at the FFT5 benchmark; a very aspirational level aimed at challenging every one of our learners.
- This target is not an indicator of performance 'now', but an indicator of what a student could achieve if they achieved their full potential.

Key dates for year 10

- 5th November 2021 - Progress review 1
- 25th February 2022 – Progress review 2
- 10th March 2022 – Parents evening
- 9th – 20th May - 2022 Mock Exams
- 27th June 2022 – Mock results

- Work experience – 28th March 2022

Key dates for year 11

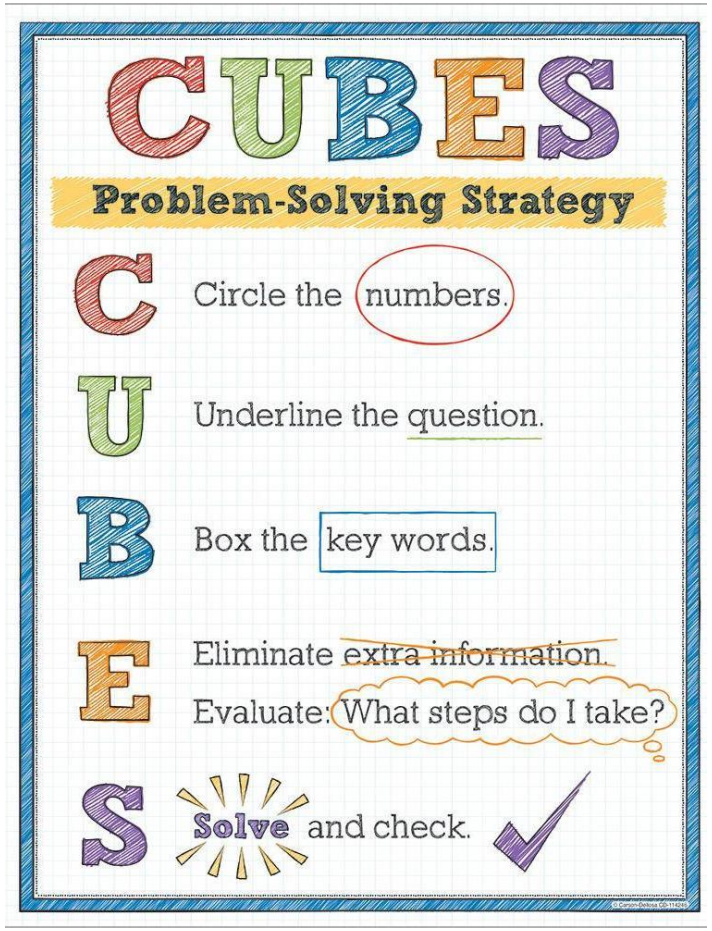
- 8th - 19th November 2021 – Mock exams
- 16th December 2021 – Mock results
- 12th January 2022 – Parents evening
- 7th – 18th March 2022 – Pre-public exams
- 20th April 2022 – Progress review

- 2022 Exam dates to be confirmed

Mathematics Department

Mrs Morell
Head of Maths
Exam board: Edexcel

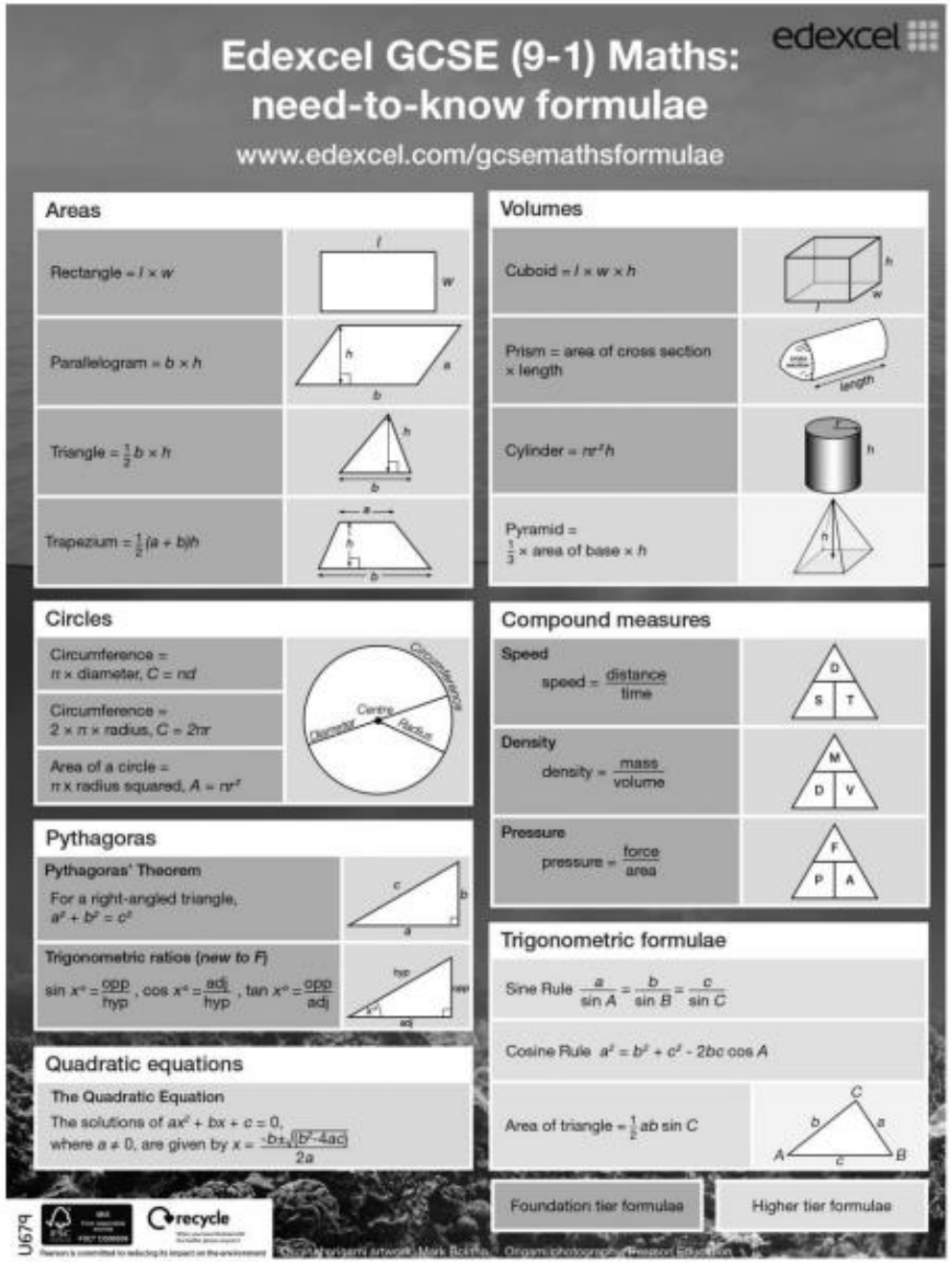
Mathematics GCSE Curriculum



- Greater emphasis on problem solving and mathematical reasoning - showing each stage of the calculation is essential to get maximum marks.

Formulae

These are no longer given in the exam so students need to remember these.



Edexcel GCSE (9-1) Maths: need-to-know formulae

edexcel

www.edexcel.com/gcsemathsformulae

Areas

Rectangle = $l \times w$

Parallelogram = $b \times h$

Triangle = $\frac{1}{2} b \times h$

Trapezium = $\frac{1}{2}(a + b)h$

Volumes

Cuboid = $l \times w \times h$

Prism = area of cross section × length

Cylinder = $\pi r^2 h$

Pyramid = $\frac{1}{3}$ × area of base × h

Circles

Circumference = π × diameter, $C = \pi d$

Circumference = $2 \times \pi \times$ radius, $C = 2\pi r$

Area of a circle = π × radius squared, $A = \pi r^2$

Compound measures

Speed: speed = $\frac{\text{distance}}{\text{time}}$

Density: density = $\frac{\text{mass}}{\text{volume}}$

Pressure: pressure = $\frac{\text{force}}{\text{area}}$

Pythagoras

Pythagoras' Theorem

For a right-angled triangle, $a^2 + b^2 = c^2$

Trigonometric ratios (*new to F*)

$\sin x^\circ = \frac{\text{opp}}{\text{hyp}}$, $\cos x^\circ = \frac{\text{adj}}{\text{hyp}}$, $\tan x^\circ = \frac{\text{opp}}{\text{adj}}$

Trigonometric formulae

Sine Rule $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

Cosine Rule $a^2 = b^2 + c^2 - 2bc \cos A$

Area of triangle = $\frac{1}{2} ab \sin C$

Quadratic equations

The Quadratic Equation

The solutions of $ax^2 + bx + c = 0$, where $a \neq 0$, are given by $x = \frac{-b \pm \sqrt{(b^2 - 4ac)}}{2a}$

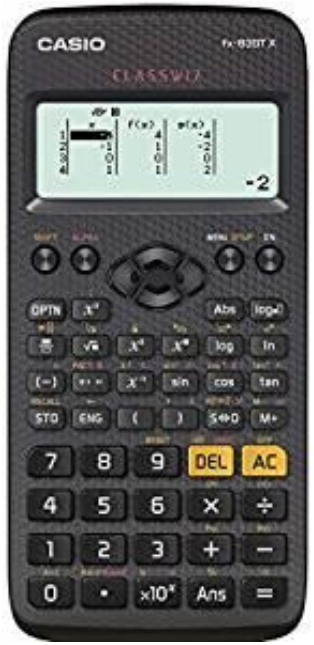
Foundation tier formulae | Higher tier formulae

U679

recycle

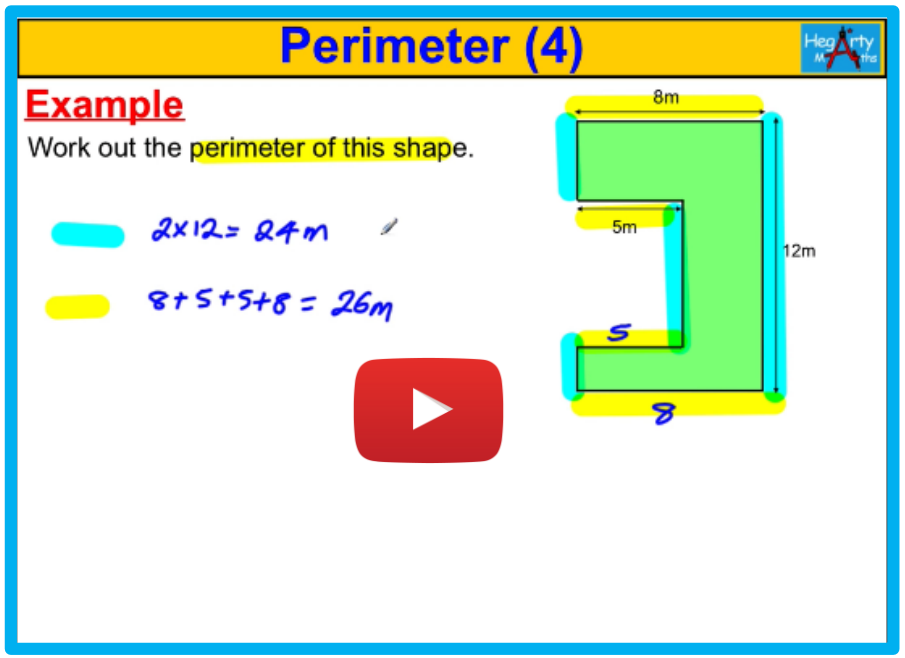
Examinations

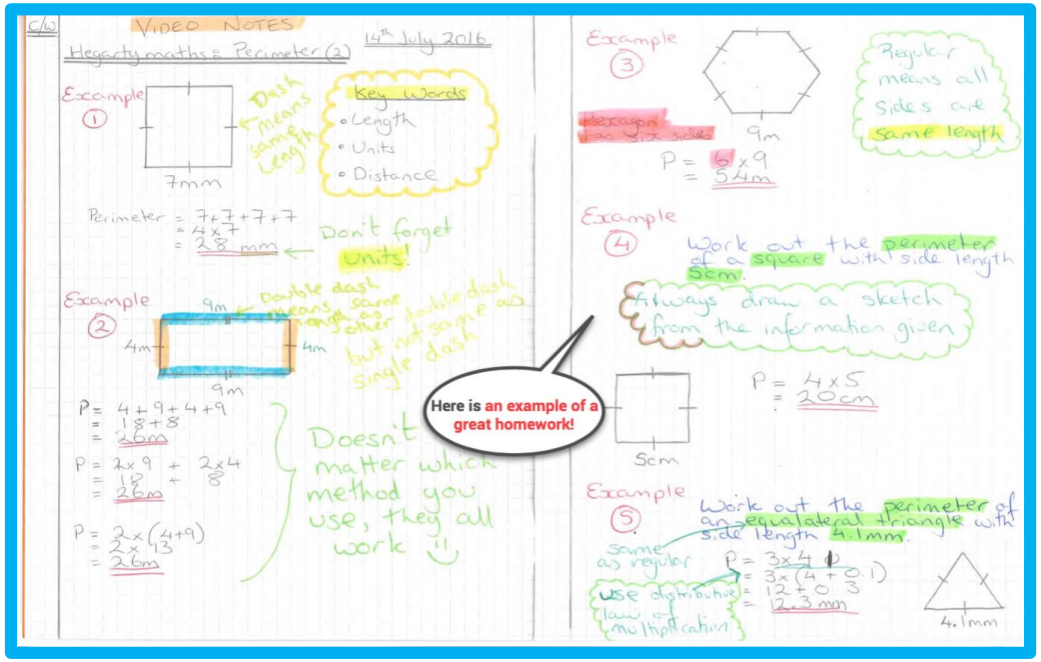
- Three equally weighted written examination papers at either Foundation tier or Higher tier.



	Paper 1	Paper 2	Paper 3
Length of exam	1 hour 30 mins	1 hour 30 mins	1 hour 30 mins
Equipment	Non calculator	Calculator	Calculator
	Higher tier Grade 4 - 9	Foundation tier Grade 1 - 5	

Hegarty maths





Your child should produce a set of well-written notes of all the modelled examples in the video as we want your child to be an expert note-takers and to revise before they try the quiz. **If your child knows the material, they should still take the notes as it's a good habit and ensure they are producing revision notes every week.**

What to do if your child is stuck on their homework?

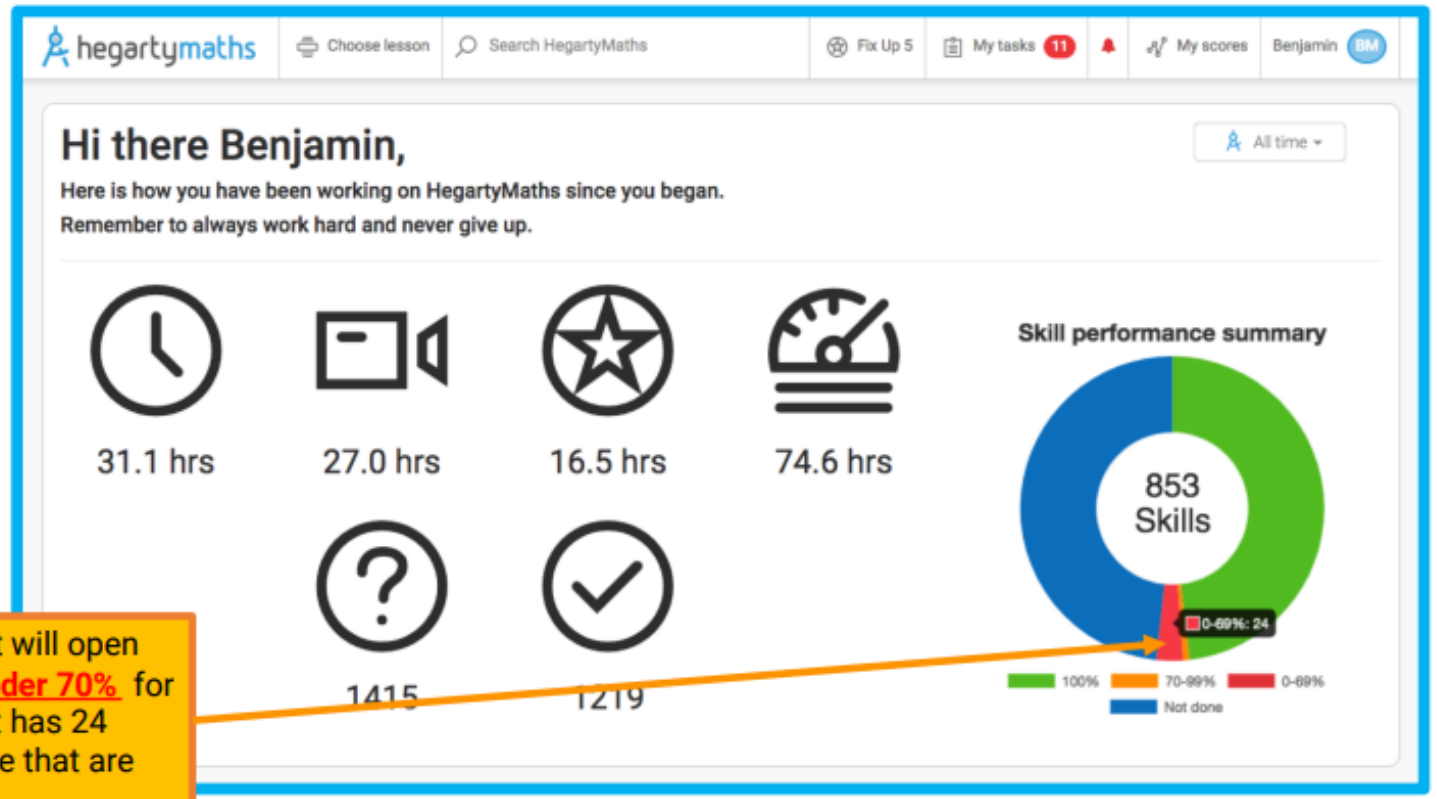
1) Watch the **video again** really carefully ensuring all examples are copied and see if hearing and writing it down a second time helps.

2) Look at the **building blocks.** These are the lessons that will help your child with your current homework. If these are not at 100% or less than the hegartymaths avg. then they should redo those them as it will help on their current work.

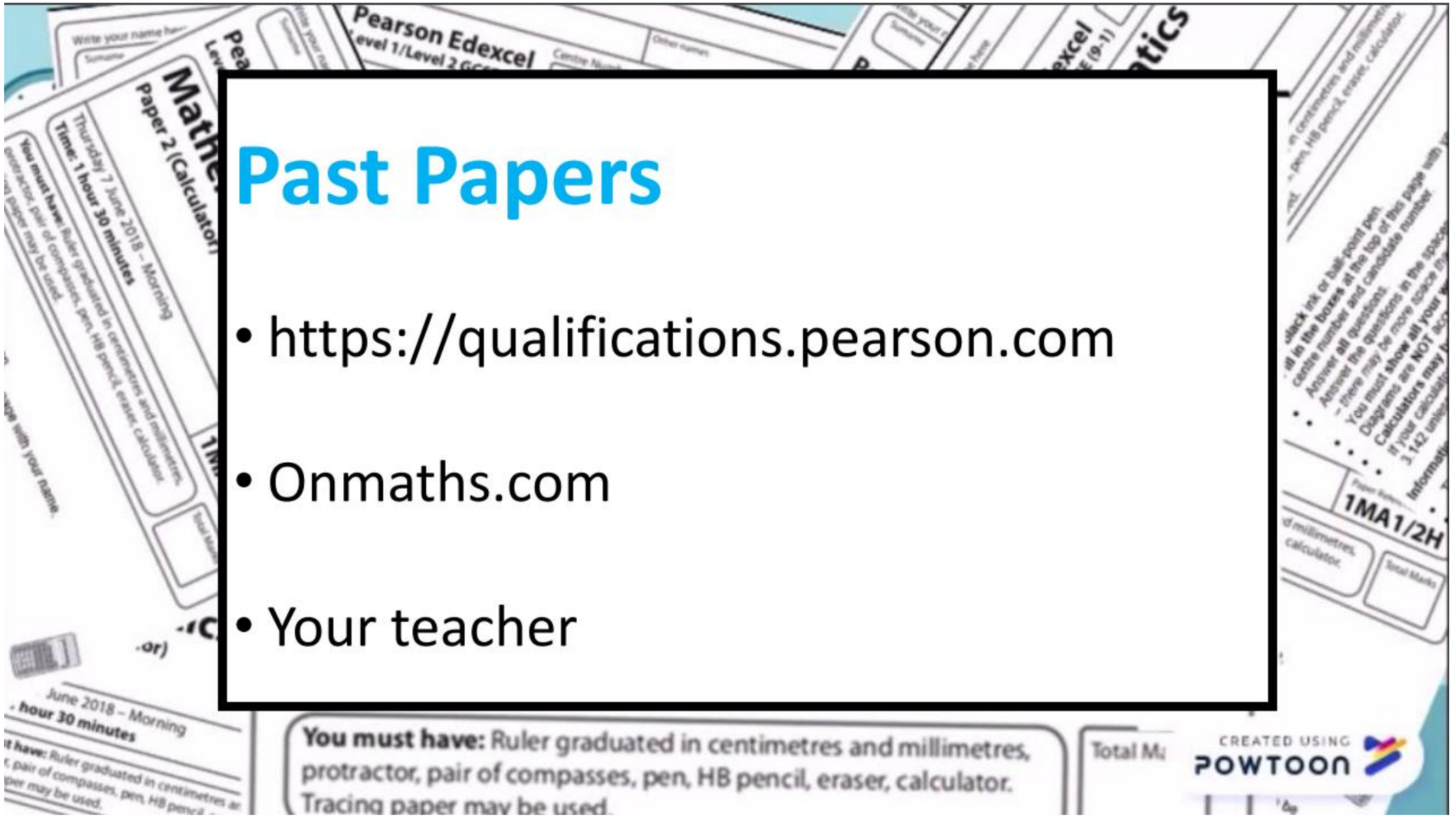
In the picture, the student will struggle with homework 547 as they have only 10% on lesson 546.

What if your child has done all their homework – what else could they do?

1) Use the donut to improve weak areas: Click the red section to find the quizzes they need to improve (**quizzes under 70%**) and redo them until they are amber (**quizzes over 70%**) or green (**quizzes at 100%**). Once they have made everything green or amber go back over the amber and try to get them to green.



Click the red section and it will open up any lessons that are **under 70%** for them to redo. This student has 24 lessons they could improve that are **red (under 70%)**.



Past Papers

- https://qualifications.pearson.com
- Onmaths.com
- Your teacher

Top tips to help your children with Maths

- Make sure they have the right equipment, and they bring it into school every day
- Make sure homework is being completed every week and use Hegarty Maths for independent learning/revision
- Ask them to explain what they have been doing in class and work through examples
- Encourage them to seek help from their teacher if they do not understand something
- Review and revise work on a regular basis
- Use revision topic list to set up revision schedule

English Department

Mrs Broomhall
Head of English
Exam board: Edexcel

GCSE ENGLISH

- Kings' students study the Edexcel 9-1 GCSEs in English Language and English Literature

- Separate grades are awarded for English Language and English Literature

ENGLISH LANGUAGE

English Language is a core subject and compulsory for everyone.

It is one of the subjects that most college courses require; students may need to retake this GCSE alongside their college course if they do not pass it the first time.

The English Language papers focus on comprehension of unseen texts and writing skills. This GCSE is entirely skills-based and there are no set texts.

ENGLISH LITERATURE

English Literature is the study of novels, plays and poetry.

At Kings, students will study the following texts:

One Shakespeare play (*Macbeth* for the current Year 11, *Romeo and Juliet* for the current Year 10).

One modern play (*An Inspector Calls by J.B.Priestley)*

One pre-1914 novel (*A Christmas Carol by Charles Dickens)*

An anthology of 15 poems (Conflict)

YEAR 11

We are still waiting for the exam board to confirm whether there will be any changes to the exams for 2022.

As soon as we are notified, we will let you know.

Tassomai is now up and running for English Language and English Literature revision. They can log in with their email address from last year and the password QuizLearnGoal.

English Exams at the end of year 11

ENGLISH LANGUAGE			
PAPER 1	1 hr 45	Fiction and Imaginative Writing	40% of GCSE
PAPER 2	2 hrs 5	Non-fiction and Transactional Writing	60% of GCSE
SPOKEN ENDORSEMENT		One persuasive speech plus Q+A	0% of GCSE

ENGLISH LITERATURE			
PAPER 1	1 hr 45	Shakespeare and post-1914 Literature	50% of GCSE
PAPER 2	2 hrs 15	19th-century Novel and Poetry since 1789	50% of GCSE

All English Literature exams are closed-book exams.

THE BEST THINGS TO DO TO PREPARE

ENGLISH LANGUAGE

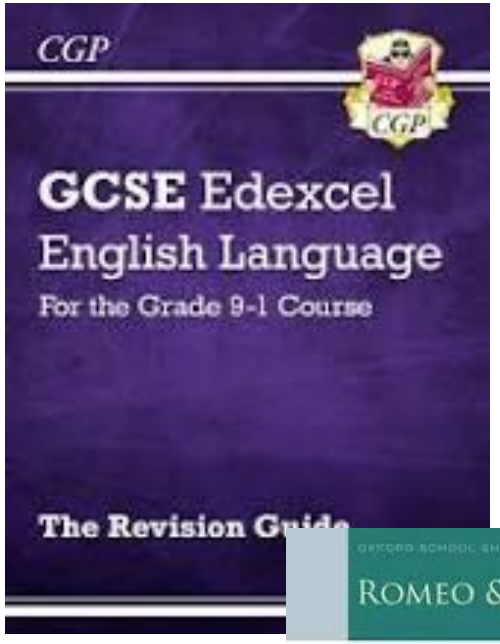
- Make sure you know the expectations of each paper
- **Read** as much fiction (modern and classic) and non-fiction (articles, newspapers, letters) as you possibly can, and discuss it
- Build writing stamina
- Practise proof-reading
- Increase your vocabulary

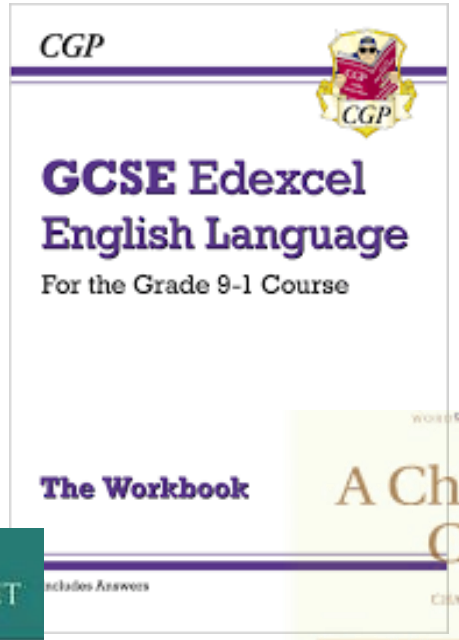
ENGLISH LITERATURE

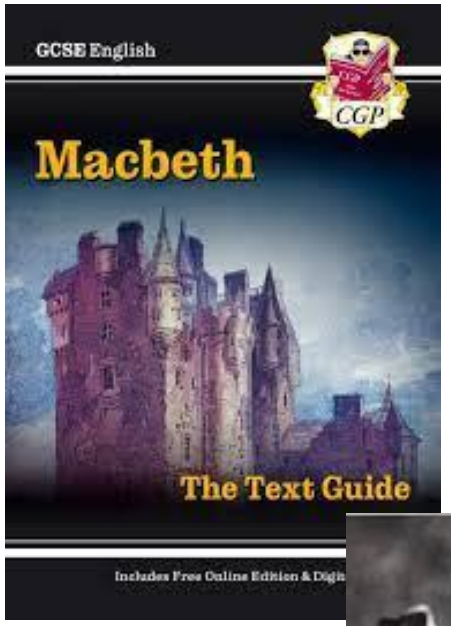
- Make sure you know exactly what to do for each question
- Know your texts backwards – **read** and re-read!
- Active revision, not just highlighting notes!
- Complete exam questions and ask for feedback
- Zoom in and zoom out

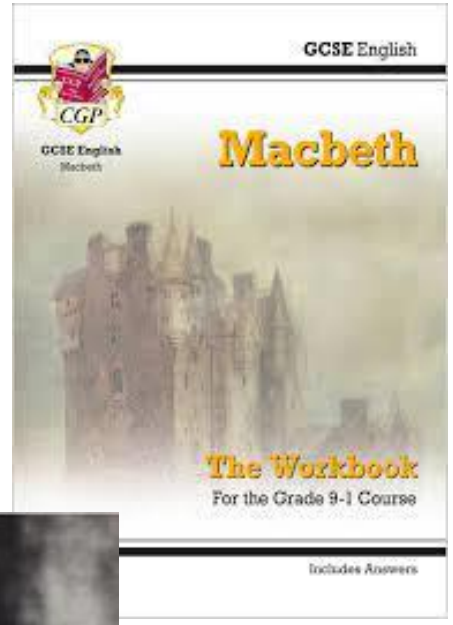
FACT: students who read at home do better in English.

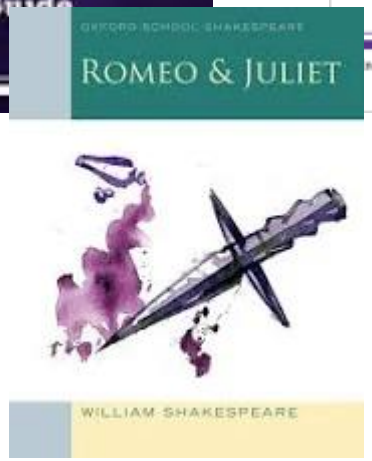
WE RECOMMEND:

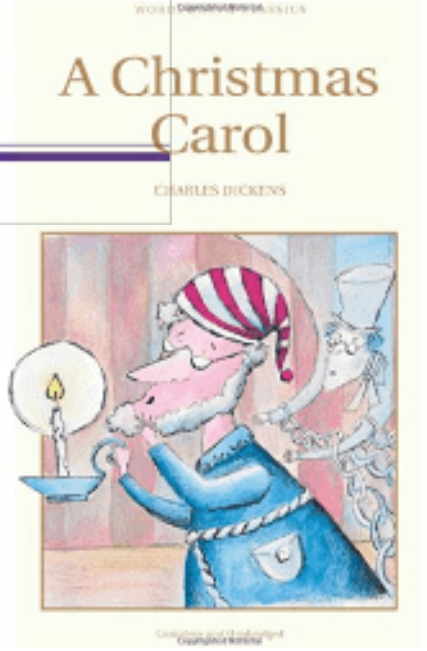


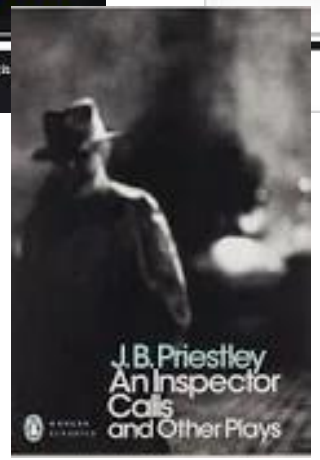












We are here to help!

Science Department

Mrs Russell
Head of Science
Exam board: AQA

Why AQA GCSE science?

‘Our philosophy is Science for all. We believe that science has something to suit students of all abilities and aspirations.’

Science - Pathways

Route 1	Route 2
GCSE Combined Science – Trilogy • Students achieve a qualification that equates to 2 GCSEs • Assessment – 6 terminal exams each 1 hour 15 minutes • Level 1-5 or 4 – 9 • Required practicals	

Science - Pathways

Route 1	Route 2 - Option
GCSE Combined Science – Trilogy • Students achieve a qualification that equates to 2 GCSEs • Assessment – 6 terminal exams each 1 hour 15 minutes • Level 1-5 or 4 - 9	**Triple Award Science with Statistics GCSE** • Students will achieve 3 separate GCSEs in Biology Chemistry and Physics. Assessment – 6 terminal exams each 1 hour 45 minutes. • Level 5 – 9 • Required practicals

GCSE Science

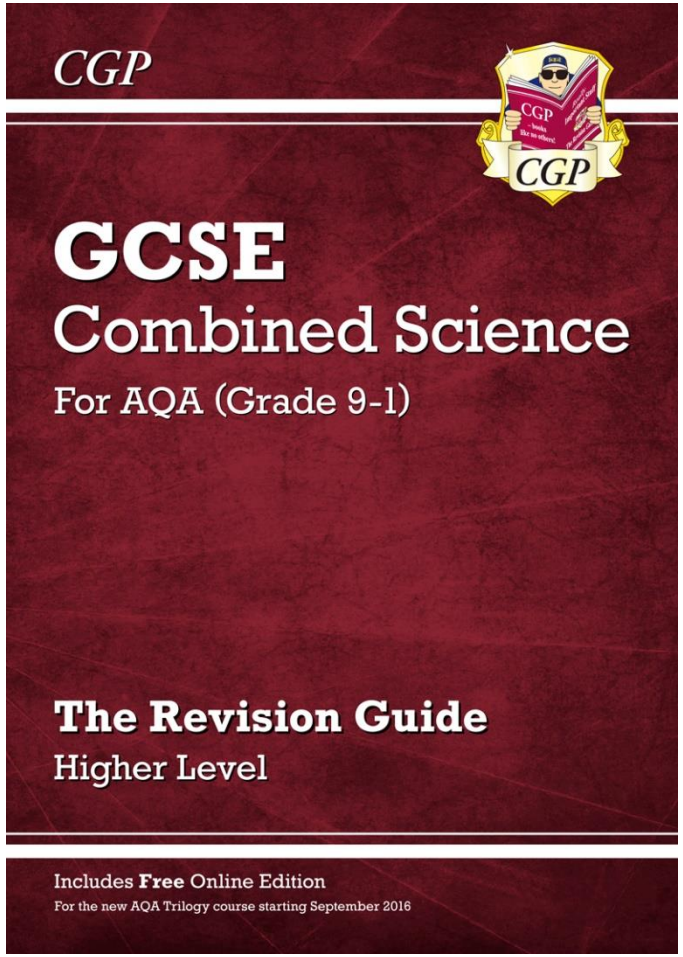
How the students are assessed:

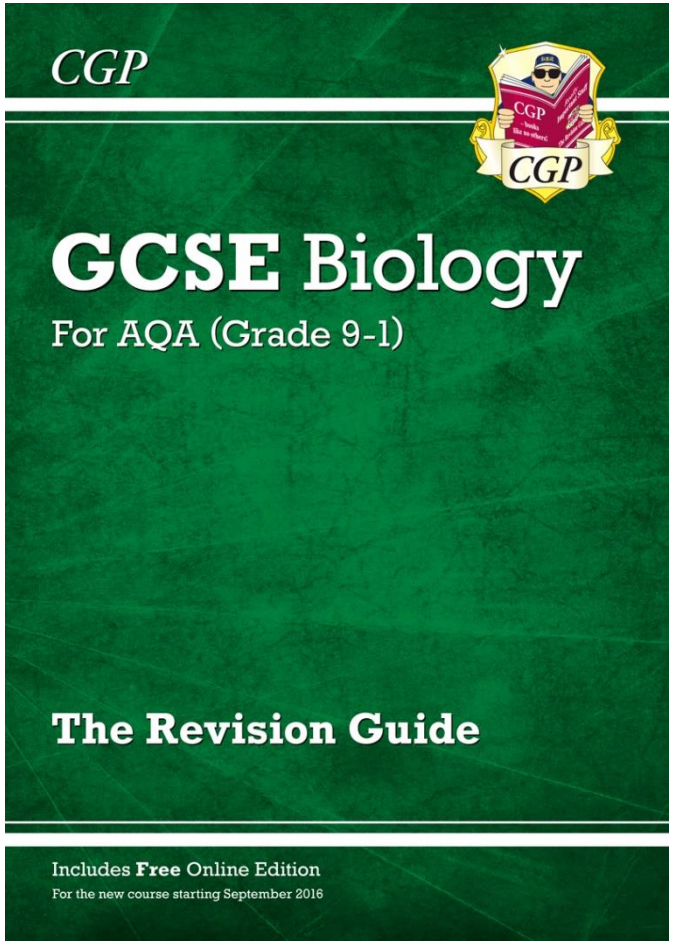
- Knowledge – 40%
- Application of knowledge – 40%
- Analysis – 20%

Helpful Resources

- Kerboodle – student checklists, revision podcasts access to the textbook.
- Tassomai
- BBC Bitesize – revision notes and quizzes
- You Tube – Free science lessons
- Revision Guides – CGP
- Science Catch Up Sessions After School on Mondays and Tuesdays

CGP Revision Guides





Work Experience

- We are pleased to be offering work experience this year for our Year 10's. We will be working closely with The Prospect Trust to ensure that the work experience programme runs smoothly, as they are fully insured and will ensure that all risk assessments of workplaces are carried out before it takes place.
- The Prospect Trust will also be sharing with us a new platform called Grofar, which will allow the students to have a log in to an instant database of local work experience placements and will be able to apply and keep track of their applications through their app. The parents will also have access to this in order to support the process.
- Work experience week will commence on the 28th March 2022 for the whole week taking us to the end of term.
- We would like as many students as possible to sign up to this programme as it is a great opportunity for them to experience the workplace environment. Those who do not obtain a placement will remain in school and plan will be put together for those students based on how many there are once we have numbers on those wishing to take part.

Work Experience

- Students will be able to choose the placement they would like to undertake and will be responsible for ensuring that the relevant forms are completed and signed by their parents to enable them to take part and fulfil their work experience.

- All students taking part will need to have secured a placement by no later than the 31st January 2022 and I would appreciate your support as parents in ensuring they have one. Full support will be offered for students who are struggling to use the app, complete the application process, or those who cannot find a placement. For example, if a student is looking for a placement in animal care Grofar should be able to offer a list of local placements in the area to choose from and the student will then be able to apply directly through the app. Students are likely to be asked to attend interviews.

- The cost for the work experience placement is £40.00 per student, however we will be subsidising this by £15.00 per student, making the cost to you as parents £25.00 unless your child is listed as pupil premium in which case the placement will be fully subsidised by Kings. We think this is a valuable experience and we urge all parents to encourage their children to take part.

How Grofar Supports your Students

Grofar

1. Mobile & desktop friendly app you can use on any device
2. Access placement details at anytime and anywhere
3. Log the hours you worked quickly and easily
4. Log experiences, targets & upload photo evidence
5. Access your placement certificate after completion

Students will use their Grofar portal to:

1: Submit their Placement Details
Here students submit where they will do their work experience placement.

2. Log Hours & Experiences on Placement
Each day students record the hours they have worked and experiences that are helping them achieve their work placement targets.

3. Provide Feedback
At the end of the placement students feedback on how they thought the placement went.

Finding Work Experience Placements

- Student will find own placement
- Ask family and friends if they can help
- Google search work sectors student is interested in to find relevant work sectors
- If student has a chosen career path research relevant work experience opportunities
- Our Work Experience team can offer assistance via your school work experience coordinator
- Work Experience clinics in school

Benefits of Work Experience

1. Introduces the student to the world of work

2. Assists in the process of researching a career path

3. Very positive addition to the students CV

4. Student will learn new skills i.e Time keeping, social and employability skills etc

Post 16 – Café

- Yr11 Big Interview
- Colleges
- Apprenticeship providers
- Army
- Police
- Construction employers