

Welcome to the Year 11 Parents' Information Evening.

**Please ensure you have registered your
attendance by scanning the QR code.**

Please do not record this presentation.

**The PowerPoint will be available on our
website tomorrow.**

Welcome

- Context
- Focus on English Literature led by Mrs Jagger
Sue.jagger@st-pauls.org.uk
- Focus on Science led by Mrs Anderson:
Joanne.Anderson@st-pauls.org.uk
- Key dates led by Mr Eggleston
Duncan.Eggleston@st-pauls.org.uk

Year 11

- We are continuing with our Step Up to Sixth form cards to promote good independent learning practice
- Students have received their PPE results in lessons and these will have been sent home this week
- Sixth form application forms are open until the end of January
- We have under 16 school weeks until Study Leave!

STEP UP TO SIXTH FORM STAMP CARD

Name _____

Form _____ Date _____

STEP UP TO SIXTH FORM	STEP UP TO SIXTH FORM	STEP UP TO SIXTH FORM	STEP UP TO SIXTH FORM
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Sixth form totaliser

- Please ensure Year 11s are revising all subjects
- Sixth form options are based on the 'Best 8 totaliser'

Point score	Likely pathway
34 points and above	Minimum entry point for 3 A-levels & EPQ
28 to 33 points	Assessment of suitability through interview for the 3 A-level pathway or Blended BTEC/A-level pathway
24 to 27 points	BTEC Level 3 Diploma Programme
23 points and below	BTEC Bridging programmes (one year) including GCSE English and Mathematics

Subject	English	Maths								Total
Likely points										

Points	9	8	7	6	5	4	3	2	1
GCSE Grade	9	8	7	6	5	4	3	2	1
Vocational Grade			Dist*	Distinction	Merit	Pass	Distinction (Level 1)	Merit (Level 1)	Pass (Level 1)

Design and Technology Key Messages and Updates

A huge well done to all students for the hard work and effort they've put into their D&T GCSE so far! Keep it going!

Afterschool
D&T Club
Wednesday's
until 4.45pm in
your D&T
room.

Key messages for parents

- All students have an online portfolio that counts towards 50% of their final level for the subject. This is a PowerPoint document. They have been working on this since the end of Y10.
- Their portfolio includes a template and structure that gives them guidance on what needs to be done on each page. They also have plenty of guidance resources available via itslearning.
- At the front of each students folder is a 'section checklist' that is updated by the teacher.
- If your child's checklist shows as RED or YELLOW, it indicates that this section is incomplete, or that it needs improving. If it shows GREEN, then they've completed the piece of work.
- **All sections up to and including 2.3 should now be fully complete.**
- **The final deadline for submission of their entire portfolio is 27th March.**
- Between now and then, students must focus on building their final prototype in lesson, whilst ensuring their portfolio is complete during independent learning time.

Year 11 Study Support Sessions

- Every Monday, Tuesday and Thursday, **3.45-5.00pm** (The first session will start on Tuesday 23rd January).
- Sessions will take place in the J Block **Sixth Form study area**. The study area is equipped with a range of equipment (whiteboards, highlighters, flashcards, laptops).
- Sessions will be staffed by a member of the Leadership Team and also our new '**Sixth Form Study Support Assistants**'.
- Pupils do need to sign up and do need to register when they arrive.
- Teaching staff can refer pupils to the study support sessions and will communicate any **referrals** home.
- You will get the notification on the SchoolCloud that your child has attended
- Please contact Paul Knight, Assistant Headteacher if you have any further questions: paul.knight@st-pauls.org.uk



Can any parents identify the three characters from GCSE Literature?

GCSE English

Two GCSEs, each assessed and graded separately

- English Language
- English Literature

English Language

What exam board are we using? AQA

What do the exams assess?

Paper One: [1 hour and 45 minutes]

- **Section A** — analysis of one unseen, fiction extract [comprehension, language analysis, structural analysis and evaluation]
- **Section B** — description and narrative writing

Paper Two: [1 hour and 45 minutes]

- **Section A** — analysis of two unseen, non-fiction extract [comprehension, summary, language analysis, and comparison]
- **Section B** — writing to present a viewpoint [in the form of: a newspaper article, letter, speech, leaflet or essay].



What exam board are we using? AQA

What do the exams assess?

Paper One: [1 hour and 45 minutes]

Section A — Shakespearean Text: Macbeth

Section B — 19th Century Text: A Christmas Carol

Paper Two: [2 hours and 15 minutes]

Section A — Modern Text: An Inspector Calls

Section B — Poetry: Power and Conflict cluster

Section C — Unseen Poetry: 2 Unseen poems

English Literature



Macbeth



English Language



A Christmas Carol



An Inspector Calls



English Language



Power and Conflict



Unseen Poetry





English Revision: Friday

<u>Date</u>	<u>Topic</u>
12 th January 2024	Language Paper 1, Question 2
19 th January 2024	Language Paper 1, Question 3
26 th January 2024	Language Paper 1, Question 4
2 nd February 2024	Language Paper 1, Question 5
9 th February 2024	Language Paper 2, Question 2
16 th February 2024	Language Paper 2, Question 3

Every Friday until the 10th May

Best Practice for GCSE Approach and Revision

1. Classwork: ensure all classwork is completed to an excellent standard and make an effort to catch up on missing work.
2. Literature: know the texts! Take the time by re-reading texts, listening to audio versions, exploring key extracts or even watching film and theatre adaptations.
3. Writing Stamina: practise completing exam papers under timed conditions to get use to the challenge.
4. Respond to feedback: take every opportunity to get feedback and respond to it. This is the most valuable tool at a pupil's disposal.
5. Read: reading opens up new vocabulary and encourages originality and imagination within writing.
6. Make sure your revision is active and purposeful. Instead of passively reading through notes or revision books, do something to engage your brain: can you recreate the notes in a new form, come up with some kind of game, or perhaps even teach the content to your parents or family members?
7. Reflect on the outcomes of your recent PPEs and the upcoming in-class assessments — these will help you to see where your strengths and weaknesses lie—and therefore streamline your approach to revision.

Thank you for your time
and all the support you
continue to offer your
child as they approach
their exams!

For more information:

Head of English

•sue.jagger@st-pauls.org.uk

Science

Exam paper structure

Content Overview	Assessment Overview	
Foundation Tier, grades 5–5 to 1–1		
<ul style="list-style-type: none"> Topic B1: Cell level systems Topic B2: Scaling up Topic B3: Organism level systems Topic CS7: Practical skills (PAGs B1-B5) 	Paper 1 (Biology) J250/01 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic B4: Community level systems Topic B5: Interaction between systems Topic B6: Global challenges Topic CS7: Practical skills (PAGs B1-B5) With assumed knowledge of B1–B3	Paper 2 (Biology) J250/02 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic C1: Particles Topic C2: Elements, compounds and mixtures Topic C3: Chemical reactions Topic CS7: Practical skills (PAGs C1-C5) 	Paper 3 (Chemistry) J250/03 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic C4: Predicting and identifying reactions and products Topic C5: Monitoring and controlling chemical reactions Topic C6: Global challenges Topic CS7: Practical skills (PAGs C1-C5) With assumed knowledge of C1–C3	Paper 4 (Chemistry) J250/04 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic P1: Matter Topic P2: Forces Topic P3: Electricity and magnetism Topic CS7: Practical skills (PAGs P1-P6) 	Paper 5 (Physics) J250/05 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic P4: Waves and radioactivity Topic P5: Energy Topic P6: Global challenges Topic CS7: Practical skills (PAGs P1-P6) With assumed knowledge of P1–P3.	Paper 6 (Physics) J250/06 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE

Content Overview	Assessment Overview	
Higher Tier, grades 9–9 to 4–4		
<ul style="list-style-type: none"> Topic B1: Cell level systems Topic B2: Scaling up Topic B3: Organism level systems Topic CS7: Practical skills (PAGs B1-B5) 	Paper 7 (Biology) J250/07 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic B4: Community level systems Topic B5: Interaction between systems Topic B6: Global challenges Topic CS7: Practical skills (PAGs B1-B5) With assumed knowledge of B1–B3.	Paper 8 (Biology) J250/08 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic C1: Particles Topic C2: Elements, compounds and mixtures Topic C3: Chemical reactions Topic CS7: Practical skills (PAGs C1-C5) 	Paper 9 (Chemistry) J250/09 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic C4: Predicting and identifying reactions and products Topic C5: Monitoring and controlling chemical reactions Topic C6: Global challenges Topic CS7: Practical skills (PAGs C1-C5) With assumed knowledge of C1–C3.	Paper 10 (Chemistry) J250/10 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic P1: Matter Topic P2: Forces Topic P3: Electricity and magnetism Topic CS7: Practical skill (PAGs P1-P6) 	Paper 11 (Physics) J250/11 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none"> Topic P4: Waves and radioactivity Topic P5: Energy Topic P6: Global challenges Topic CS7: Practical skills (PAGs P1-P6) With assumed knowledge of P1–P3.	Paper 12 (Physics) J250/12 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE

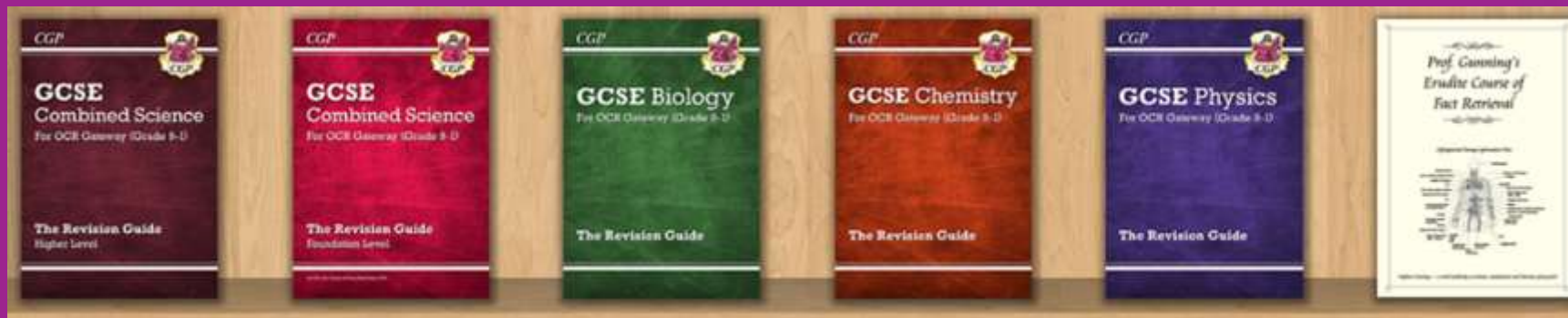
Physics Equations

- In the 2023 exams, Ofqual have said that students will be given a data sheet alongside each of their question papers. The data sheet includes all the physics equations in the specification.
- Teachers use the data sheet in lessons and provided it for use in the PPEs to ensure students are familiar with it prior to the summer exams. Students will get a clean printed copy in each exam.

Resources



- Students may want to use published revision resources at home and bring in to lessons to support classroom learning.
- We complement this with a wealth of resources on itslearning for students which they should use to support their revision.
- Subject teachers are best placed to offer revision techniques for individuals whether that is memorising facts, creating flashcards or mindmaps or practising past papers.



Resources

- There are lots of resources online to support student learning: Online quizzing to support knowledge retrieval such as Quizizz, Blooket, Seneca, Kay Learning
- As a department we use Carousel Learning. Students are set work using this platform on a weekly basis as part of their independent learning outside of the classroom.
- Past papers on the exam board website www.ocr.org.uk
- Videos on YouTube such as those by Primrose Kitten, freesciencelessons, JamJarMMX

Revision



- During the last year we have been working with students to show them that last minute revision isn't as successful as they might think or hope.
- We continue to show students that revision is about getting information out of their head rather than trying to cram more in to it.
- In the lead up to the exams we will continue to show pupils that they don't need to learn more in order to be successful.
- Department colleagues this evening will be showing some ways of revising which will be of use.

External Exam Dates

Combined and Triple Science

Fri 10.05.24	1 st Biology paper
Fri 17.05.24	1 st Chemistry paper
Wed 22.05.24	1 st Physics paper
Fri 07.06.24	2 nd Biology paper
Tues 11.06.24	2 nd Chemistry paper
Fri 14.06.24	2 nd Physics paper

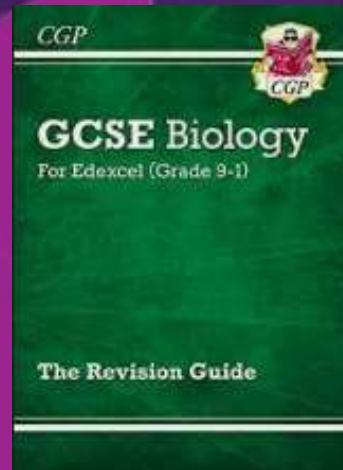
50 day challenge

- Just after half term we are going to be asking students to participate in this as a quick task that they should do every school day in order to remember, recall and revisit subject knowledge.
- There is a task for every day for 50 days in the run up to the summer exams. These will be found on the itslearning home page for Science and pupils will be encouraged in lessons to participate.



Biology

- There is a lot of content to learn in Biology, with a significant amount of subject specific terminology
- Often students express their understanding in quite a descriptive manner, but without using the appropriate terminology which results in not being credited for understanding the content
- Today we will have a go at retrieval practice in a way that can be done collaboratively, or independently





Retrieval Practice Placemat

Explain a key concept or idea from the content in your own words

State and explain the meaning of three key words from the content in your own words

Describe two key facts from the content, in your own words

Write one quiz question with answer, based on the content

B2.1 Cells and Cell Structures

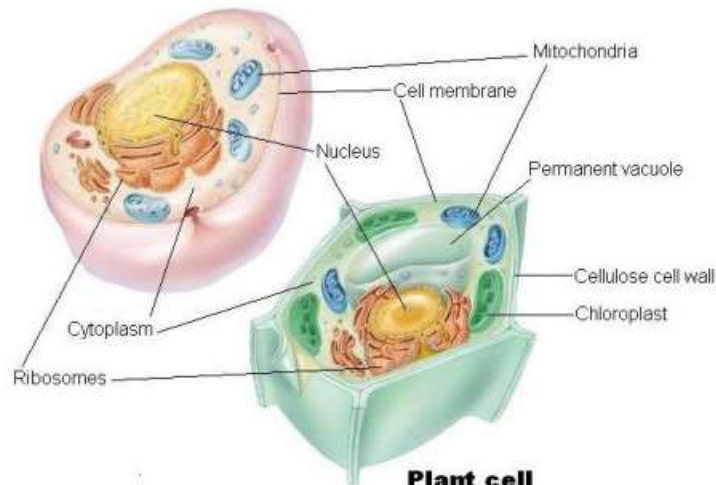
Summary

All living things are made up of cells. The structures of different types of cells are related to their functions. To get into or out of cells, dissolved substances have to cross the cell membranes.

Cells

- Cells are the smallest unit of life.
- All living things are made of cells.
- Most human cells, like most other animal cells, have the following parts:
 - nucleus
 - cytoplasm
 - cell membrane
 - mitochondria
 - ribosomes
- Plant and algal cells also have:
 - cell wall
 - chloroplasts
 - permanent vacuole

Animal Cell



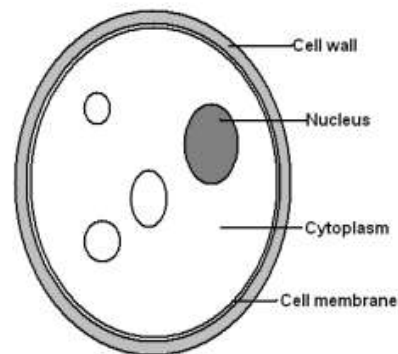
What do these structures do?

- Nucleus – controls the activities of the cell.
- Cytoplasm – where most of the chemical reactions take place.
- Cell membrane - controls the passage of substances in and out of the cell.
- Mitochondria - where most energy is released in respiration.

- Ribosomes - where protein synthesis occurs.
- Cell wall – made of cellulose and strengthens plant cells.
- Chloroplasts - absorb light energy to make food in plant cells.
- Permanent vacuole - filled with cell sap in plant cells.

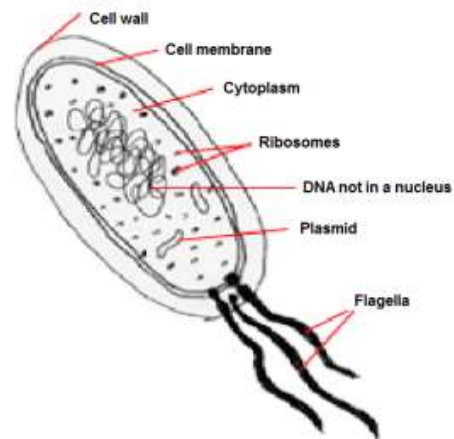
Yeast

- Yeast is a single-celled organism.
- The cells have a nucleus, cytoplasm and a membrane surrounded by a cell wall.



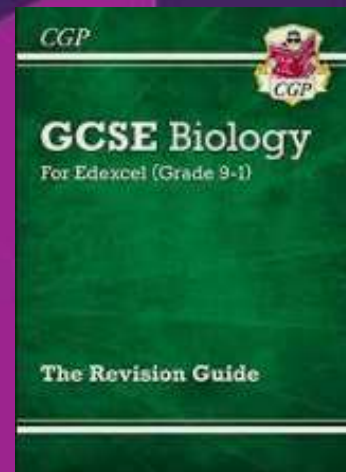
Bacteria

- Bacterium is a single-celled organism.
- A bacterial cell consists of cytoplasm and a membrane surrounded by a cell wall.
- The genes are not in a distinct nucleus.



Biology – Retrieval practice placemat

- **Task 1: You have 3 minutes to read and try to remember as much of the GCSE Biology content as possible on the sheets on your table.**
- **Task 2 : In 3 minutes, without looking at the information, try to write down as many facts that you remember as possible.**
- **Task 3: Reflect. Using the information again, annotate your retrieval practise with anything you have forgotten / got wrong.**



Chemistry

- **There is a lot of key terminology in Chemistry**
- **Often students will think that certain key terms can be used interchangeably when in fact they mean different things, E.g saying ion instead of electron or molecule instead of atom. If they do this they will miss out on marks because they are communicating incorrect science.**
- **When practising knowledge retrieval, it is important to make sure that the correct scientific language is being used.**

Keyword Spotlight

Draw it

How confident are you?



Define it

Ion

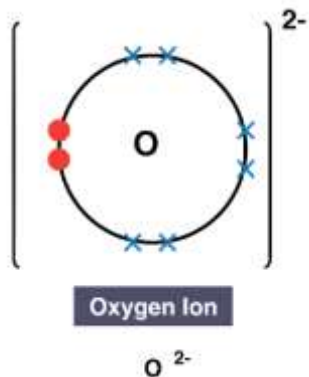
Use it in a
sentence

If this is the answer, what's the
question?

Connected
words

Keyword Spotlight

Draw it



How confident are you?



Define it

A charged particle formed when an atom or molecule loses or gains electrons.



Use it in a sentence

Metal atoms will lose electrons to form a positive ion

If this is the answer, what's the question?

What type of particle is attracted to the electrode during electrolysis?

Connected words

Anion
Cation
Oxidation
Reduction
Ionic bond
Ionic equation
Electron

Chemistry

- **Once you feel that you have remembered all of the key points of a particular concept, have a go at an exam question.**
- **Mark the exam question and identify any mistakes/misconceptions/gaps in knowledge.**
- **Go back and repeat a knowledge retrieval exercise focusing on only these topics.**
- **Repeat with another exam question and repeat the process as needed.**

(i) The electronic structure of sodium is 2.8.1. The electronic structure of oxygen is 2.6.
Sodium and oxygen react together to make sodium oxide.

Sodium oxide is an ionic compound.

Draw 'dot and cross' diagrams to show the ions made when sodium reacts with oxygen.

Show the charges on the ions.

Sodium chloride is an ionic compound.

Sodium chloride

- will not conduct electricity when it is a solid
- will conduct electricity when it is dissolved in water.

Explain these two observations in terms of structure and bonding.

[3]

(ii) What is the formula of sodium oxide?

[1]

Physics

- There are a lot of key terminology and equations in Physics. In GCSE Physics we have a small number of key ideas which are interlinked. Your ability to make links with the different key ideas will in turn help you link together different parts of the course. Making these links will help you make sense of Physics, and understand each topic in context.
- Key ideas: Models and theories, Cause and effect, Difference and change, Action at a distance, The scientific method, The language of science
- Task – You are going to complete a terminology timeline task and make links between the key terminology

Physics

- Once you have completed the task, answer exam question 1 and self assess it with the mark scheme.
- Mark the exam question and identify any mistakes/misconceptions/gaps in knowledge.
- Go back and repeat a terminology timeline retrieval exercise focusing on only these topics.
- Answer an exam question similar to the one you have completed mark and check if your mistakes/conceptions/gaps in knowledge have reduced.
- Repeat the process with exam questions 2.

Terminology Timeline

**Key term from
one week ago:**

Define it:

**Key term from
two weeks ago:**

Use it in a sentence:

**Key term from
three weeks ago:**

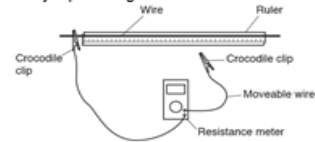
**If this is the answer, what's the
question?**

Can you make a link between the three words?

Physics

1. Two students investigate the resistance of a wire.

They tape a length of wire to a metre ruler and connect it to a resistance meter using crocodile clips.



Look at their results.

Length of wire (cm)	Resistance (Ω)			Mean
	Attempt 1	Attempt 2	Attempt 3	
25	8.8	8.3	8.5	8.533
50	16.2	16.1	16.4	16.4
75	23.5	23.8	18.7	23.7
100	30.8	31.1	31.0	31.0

i. Describe the pattern shown by these results.

Use data in your answer.

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[2]

ii. The students made **two** mistakes when they recorded their results and completed the table.

Identify the mistakes **and** explain what they should have done.

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[2]

iii. The students have correctly handled an anomaly in their results.

Identify the anomaly and explain how it was correctly handled.

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[2]

iv. The students plan to plot a graph of mean resistance against length.

What would you expect a graph of these results to look like?

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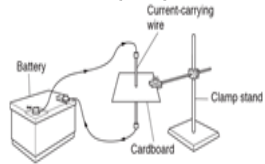
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[2]

Physics

2. A student sets up an experiment to investigate the magnetic field around a current-carrying wire.



i. Describe how the student could use this experiment and a compass to investigate the magnetic field produced by the wire.

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Key Dates

- **11th January:** Year 11 photos
- **30th January:** Sixth form applications for St Paul's close
- **1st and 5th February:** Year 11 Mentoring evenings
- **17th – 25th February:** Half term
- **28th March:** End of term
- **9th May:** End of Year 11 Celebration Mass (parents are invited) 7pm start
- **24th May:** Provisional day of Study Leave
- **21st June:** Provisional last day of GCSE exams
- **1st July:** Prom at Wilton Hall
- **22nd August:** Provisional Results Day