

YEAR 11 BULLETIN

Happy New Year!

It has been lovely to welcome back all the students to a new term in a new year. The students have hit the ground running, with excellent turnouts to the period 6 sessions this week. We encourage students to attend as many period 6 or silent study sessions that they can. Further details on these will be on the next page.

GCSE mindset: Nine-Box Grid.

This's week's GCSE mindset session was on using the nine-grid box revision strategy for effective revision. The aim of this strategy is to provide a clear structure for organising knowledge, condensing large amounts of information into a format that is easier to review. Students know that revision needs to be an active process and this strategy requires students to summarise information, which supports better understanding of a topic. This method allows for a comprehensive and structured way of revising material, supporting better retention and recall during exams.

Step-by-Step Guide:

- Create the Grid:** Create a 3x3 grid on a piece of paper by drawing two horizontal lines and two vertical lines.
- Key Points:** Review notes and decide on the nine subsections for a particular topic.
- Summarise:** Using just the space of the little box, use diagrams and short bullet points to condense the key information.
- Review:** Go through the entire grid. Summarise each point in your mind or out loud. This helps reinforce connections between the main idea and its supporting details. List the key concepts, ideas and vocabulary on the other side of the paper.

<p>Ionic bonding metals + non-metals</p> <p>metal - non-metal incomplete outer shell \Rightarrow full.</p> <p>$\text{Na} + \text{Cl} \Rightarrow \text{Na}^+ \text{Cl}^-$</p> <p>Atoms \rightarrow Ions</p> <p>Electrostatic attraction!</p> <p>High mpt & bpt Soluble Conducts elec when molten/dissolved (free to move)</p> <p>Giant ionic lattice</p> <p>Ionic properties</p>	<p>Covalent bonding non-metal - non-metal shared pairs of electrons.</p> <p>Simple (H_2, O_2)</p> <p>Low mpt & bpt Gases or liquids at r.t. Don't conduct Some soluble, some insoluble</p> <p>Giant covalent - diamond & graphite</p> <p>High mpt & bpt Don't conduct (usually) Insoluble</p> <p>Fullerenes</p> <p>Covalent properties</p>	<p>Metalllic bonding metals. Electrostatic attraction!</p> <p>Regular lattice of +ve metal ions surrounded by a sea of delocalised electrons.</p> <p>High mpt & bpt High density Not soluble Shiny Good conductors Malleable</p> <p>Metal properties</p>
<p>Chemical Equations - Atoms balanced</p> <p>Reactants \rightarrow Products</p> <p>$\text{CH}_4 + 2\text{O}_2 \rightarrow \text{CO}_2 + 2\text{H}_2\text{O}$</p> <p>(l) = liquid (s) = solid (aq) = aqueous</p> <p>H_2O 2Hs 1O</p> <p>2, 8, 8</p> <p>P = + Electron +1 charge 1 mass</p> <p>N = 0 Neutron 0 charge 1 mass</p> <p>E = - Electron -1 neg. mass</p>	<p>Periodic Table - by atomic no.</p> <p>Group no. = electrons in outer shell. \downarrow</p> <p>Period no. = number of shells \rightarrow</p> <p>Mass no. = total no. of protons + neutrons</p> <p>Atomic no. = number of protons</p> <p>A_r = ave. mass of 1 atom compared to $\frac{1}{12}$ mass of 1 Carbon atom.</p>	<p>Particle model</p> <p>Solid: particles close together, vibrating in fixed positions. Energy \uparrow</p> <p>Liquid: particles close together, can move past each other.</p> <p>Gas: particles far apart, moving rapidly.</p> <p>Bonds break \rightarrow rearranged new bonds.</p> <p>High temp. \rightarrow Low temp. Same vol. Less particles.</p>

WHAT CAN YOU DO?

Discuss with your child what they plan to do during their planned revision session. Make sure they are clear on what strategy they are going to use when revising a specific topic. They must avoid simply reading through their notes or a revision guide.

Have they set themselves a target for revision this week? What are they going to reward themselves with when they complete all their planned revision?

Period 6 Timetable: 3.30-4.30 pm

In addition to the period 6 sessions offered, students are encouraged to use the 6th form hub for independent silent study from 3.30 to 4.30 pm.

Tremendous Thursdays: Lunchtime English revision session in TSS

Tues 9th Jan: Science p.6 will be working through a Biology mock paper.

Thurs 11th Jan: English p.6 will be 30 minutes on poetry.

DAY	SUBJECT	LOCATION
Monday	Art, 3D Design & Textiles	Art studios
	Science	R8
Tuesday	History	B9/B10
	Business	R19
	Textiles—invite only	Textiles studio
Wednesday	Maths	Maths corridor
	Computer Science	B4
	Spanish (invite only)	MFL corridor
Thursday	English	English corridor
	Spanish	T20
	French	MFL corridor
	Psychology	B5
	Music & Drama	M6
	Hair & Beauty	Salon

What to revise this week?

Biology: 7. Animal coordination and control - gas exchange - [BBC bitesize: Hormones - Gas exchange.](#)

Chemistry: 6. Rates of Reaction - [BBC bitesize: Rates of Reaction.](#)

Physics: 9. Electricity - Mains electricity - [BBC bitesize : Mains electricity.](#)

Geography: World ecosystems, importance of the biosphere, the UK's ecosystems - Revision guide page 42-44

History: Beliefs and lifestyles held by Plains Indians - [resource](#)

Business Studies: Theme 1.5 Stakeholders & Technology

Psychology: Development key studies: Piaget and Inhelder, Gunnerson - [Development CB P16-19, P27-30](#)

Sociology: Gender and education - Purple book p.60 and your curriculum book

GCSE Modern Foreign Languages:

- Use the **Pearson Active Learn Learning Platform** [select your language and choose AQA], and **AQA GCSE French or Spanish Revision Guide** . You should revise all topics.

- You Tube: **Easy French/Spanish** chose a topic to revise/learn and practise the vocabulary/listening and grammar. - **Duolingo App** to revise/learn and practise the vocabulary/listening and grammar.