

KS4 Success Evening

Helping students
to
reach their goals!

Mr. Palmer
Assistant Principal
Student Achievement and Outcomes

Help! What do I do?

- When are the exams?
- **What are the exams?**
- I have not done any revision yet!
- **When are the PPEs?**
- What do I revise from?
- **How do I revise?**



Revision guidance

- WHERE

Away from distractions, ideally not in their bedroom.

- FOCUS

Pupils should not have access to mobiles and social media whilst revising.

- DISTRACTIONS

TV, radio and other distractions should be turned off, however, some pupils say they revise better with music.

Revision guidance

- **TIME**

Two hours per night of school work. Split the time up into 30 minute slots with different subjects, tasks, methods of revision in each slot.

- **PLAN**

Pupils need a plan to show when the exams are and target revision accordingly.

Revision guidance

- **REWARDS**

Give pupils simple, cheap rewards for working on school work; e.g. chocolate, a favourite meal, seeing friends, watching a favourite movie, outdoor activity.

- **ENCOURAGEMENT**

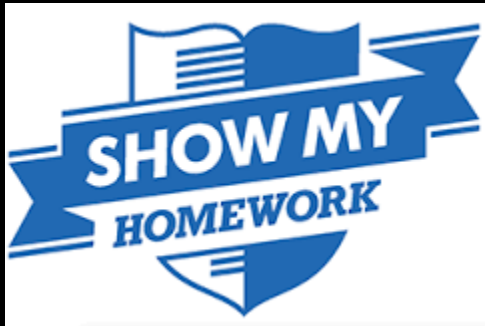
There is a fine line between nagging and encouragement. My advice would be to be robustly supportive!

Revision Materials

- Exam board websites are the places to go for information about the types of exams, specifications, **past papers**, mark schemes, and **examiner's reports**.
 - AQA www.aqa.org.uk
 - Edexcel www.edexcel.com
 - OCR www.ocr.org.uk
 - Welsh Board www.wjec.co.uk
 - Youtube revision channels

New online resources

- SHOW MY HOMEWORK
- Google classroom



- *Assignments*
- *Quizzes*
- *Literacy tests (auto graded)*
- *Numeracy (auto graded)*
- *Differentiated tasks*



Revision Cards / Audio recordings

- Revision cards are among the most popular revision resources. The idea is that you summarise some information on a single blank card. You can create them online at...
- www.getrevising.co.uk

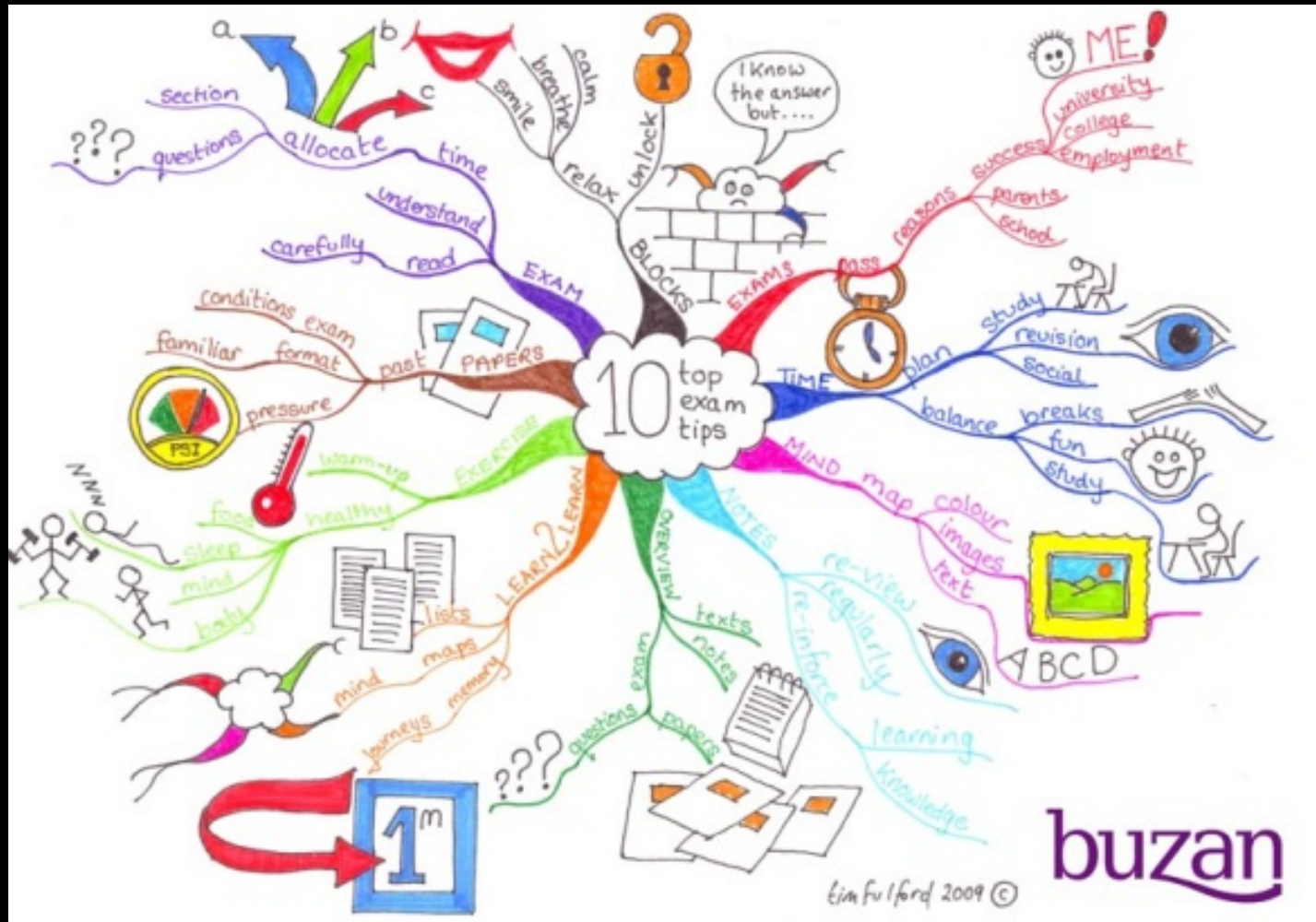
– BBC Bitesize

- English
- French
- Geography
- History
- Science (core)
- Science (additional)
- Spanish

Active Revision

- Using your text and work books well
 - Don't only read a revision guide – revisit over and over again!
- Use of websites, Year 11 parents evening 16th November – full guidance for subject revision will be given.

Mind Maps



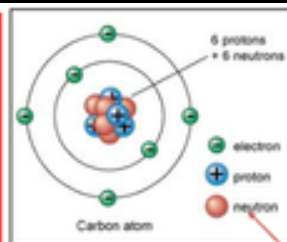
Definitions

Atom – Particles that make up all substances.

Element – A substance made up of only one kind of atom.

Compound – A substance made of different types of atoms joined together.

Mixture – A substance existing of atoms that can be easily separated as they are not joined together.



Periodic Table of the Elements

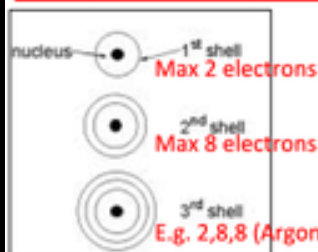
Hydrogen
alkali metals
alkali earth metals
transition metals

poor metals
metals
metalloids
non-metals
noble gases
rare earth metals

Group 0 or 8 are **UNREACTIVE**
They have a full outer shell of electrons

Periodic table arranges elements by **ATOMIC NUMBER** (proton number/the small one)

The number of outer shell electrons match the group the element is found in.
E.g. Lithium 2,1 is a group 1 element.



Protons and neutrons both have a mass of 1



Used for building

LIMESTONE

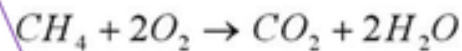
Calcium Carbonate **CaCO₃**

HEAT
(thermal decomposition)

CaO
Calcium Oxide

Carbonates
Decompose when heated
= Oxide + CO₂
React with acid
= Salt + water + CO₂

Balanced Equations



C=1
H=4
O=4

=

C=1
H=4
O=4

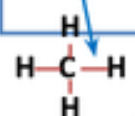
A balanced equation has the same number of atoms of each element on both sides

Using **Molecules**: In this equation, the large number in front of the chemical symbol tells you the molecules needed.
e.g. 1 CH₄ molecule reacts with 2 O₂ molecules

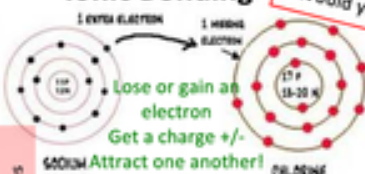
The number of electrons an atom has affects the way it reacts

Covalent Bonding

Non-metals sharing electrons



Ionic Bonding



Good: More jobs
QUARRYING
Bad: Destroy habitats and Landscape
Would you want to live next to one?

Limestone is heated in a **Rotary Lime Kiln**
You then have **Cement** or **Mortar** by adding water and sand.
If you add **crushed rocks** you get **Concrete**

Metals – Very useful

e.g. Copper wires conduct well
Most need to be **ALLOYED** to make them harder

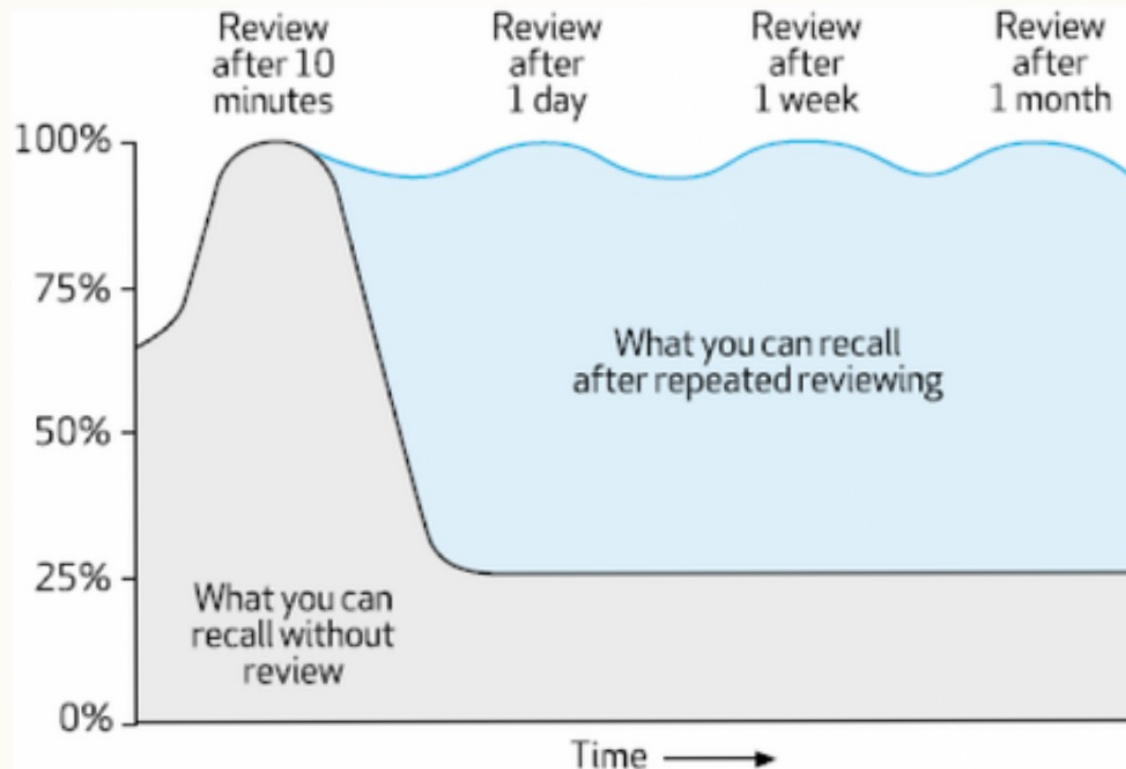
Metals which are un-reactive are found in their **NATIVE STATE** e.g. **GOLD**
More reactive metals are found as **METALS ORES** and need to be **EXTRACTED**

TRANSITION METALS

C1 CHEMISTRY

Keep coming back to topics

theory





Diagnosis, Relaxation, Test

- Diagnose which areas you have a weakness in. You can find this out from classwork, assignments, past papers or any revision questions that you have answered.
- Give yourself some relaxation time between revision sessions.
- Test yourself on how much you know. If you don't do well in the test then revise the topic again.
- Remember, just reading a revision guide on its own is not effective revision. You need to do all 3 parts to make progress in your weak areas.

Revision Timetable

- Start by putting your exams on the timetable.
- Then divide out your subjects. Any examinations the following day will need revision the night before.
- Divide subjects out evenly, however, there may be some subjects which need more revision.
- Specify what topics you are going to revise for each session.
- Build in breaks, you will need one every 40 minutes.



**KEEP
CALM
AND
TAKE
A BREAK**



Tavistock
COLLEGE
COLLEGE
TAVISTOCK

Pre Public Examinations (PPEs)

- What are PPEs?
- Targeted tutor time revision.
- Prepare for the PPEs as though they are the real thing.
- Performance in the PPEs is comparable to performance in the actual exams.
- Results day to emulate the real thing.



Alternative Route

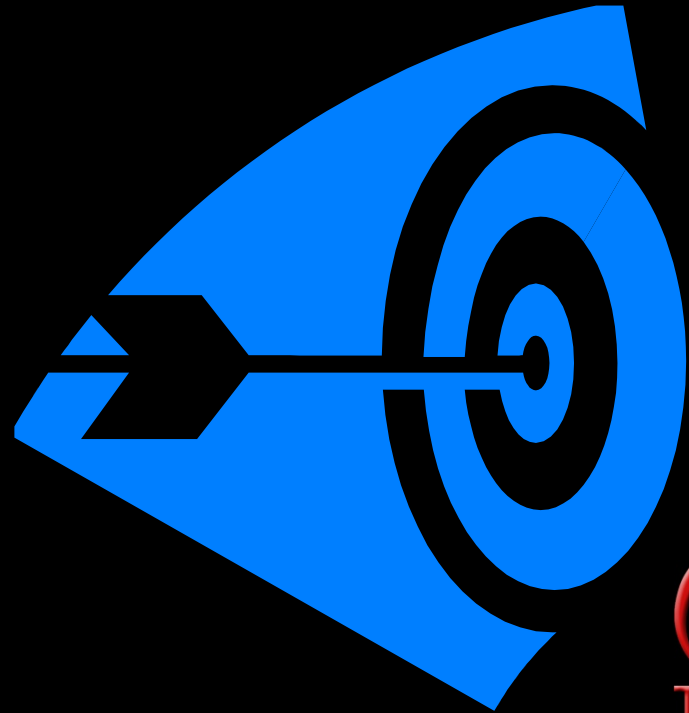
- Think that everything will be ok.
- Mess around in lessons.
- Put things off.
- Rely on ability.

This could work, but not in my experience!

Revisit Your Checklist

Stay on target

- Revision timetable
- Revision materials
- Exam timetable
- Exam equipment
- Time for revision
- Space for revision



We will keep you updated

- Students will have their timetables by the end of March, PPE exam timetables in November
- All exam times will be on the College website
- A Year 11 Revision Guide will be sent home for Pupils & Parents
- If you have any concerns about your son/daughter's exams then let us know. We can help
- First exam 16th May 2017
- Pre Public Examinations (PPEs) begin in December for two weeks
- GCSE results day Thursday 25th August

Success for all!

- 25th August will be an incredible day!
- A set of results that you can be proud of.



The key message is:

Do the revision

Put in the hard work

AND

Reap the rewards

Thank you
for listening

Please make your way to the subject workshops

- English – M6
- Maths – M7
- Science – M2

Refreshments then served in the atrium