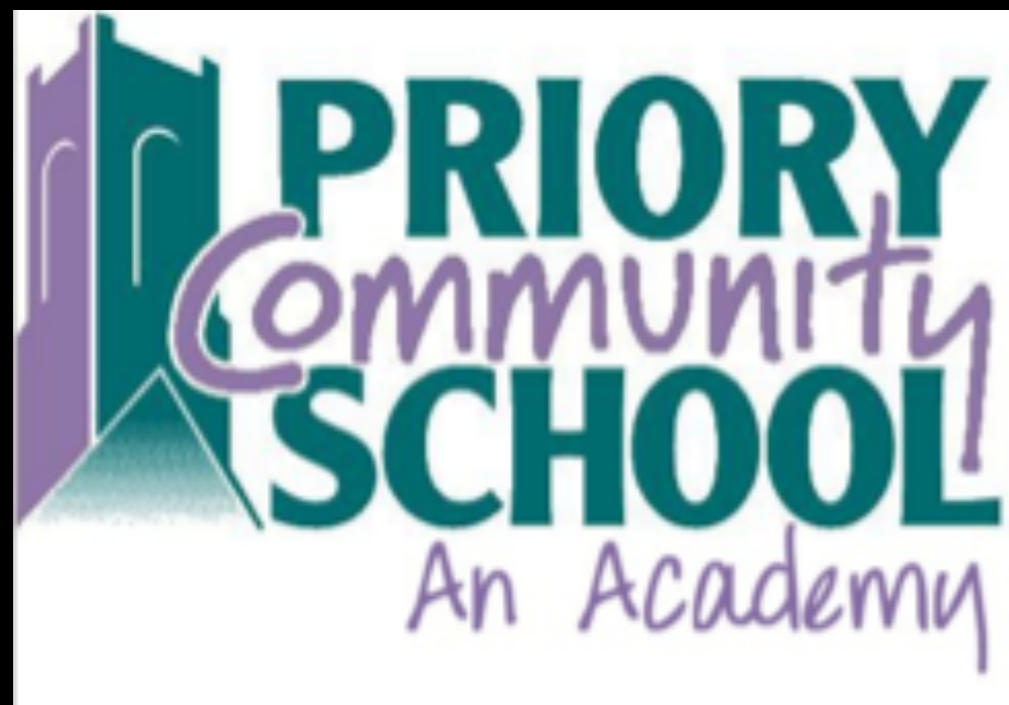


A/A* INFORMATION EVENING



THE PRIORY
LEARNING TRUST

Welcome to PCSA and WCS Parents, Carers and Students

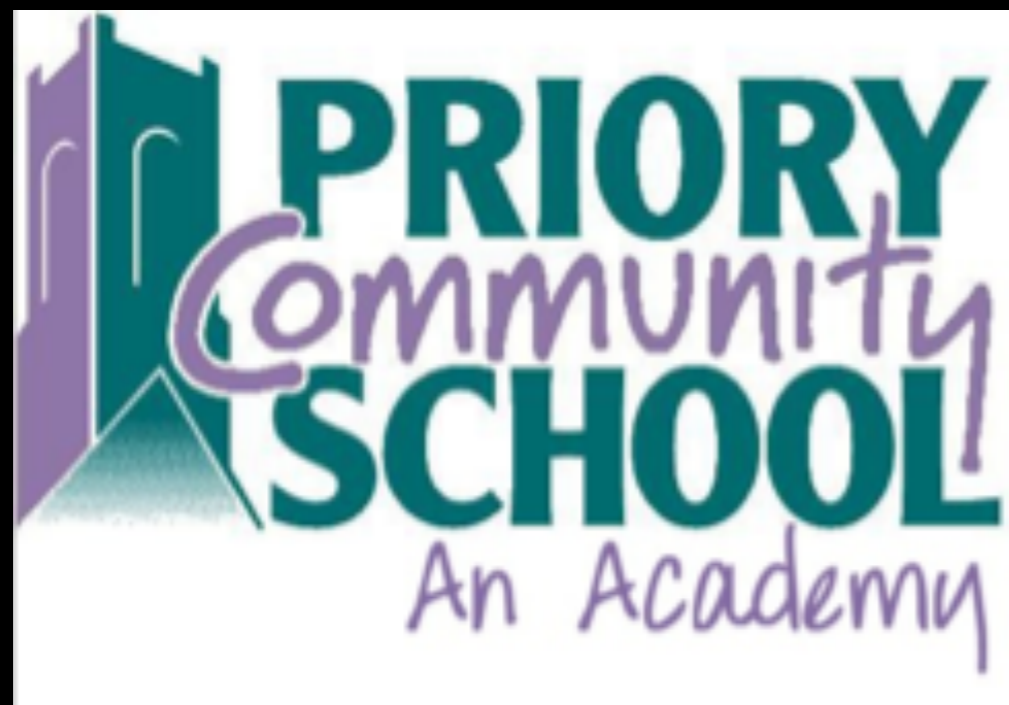


9/7 INFORMATION EVENING



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Welcome to PCSA and WCS
Parents, Carers and Students



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JAMIES WILMIOT

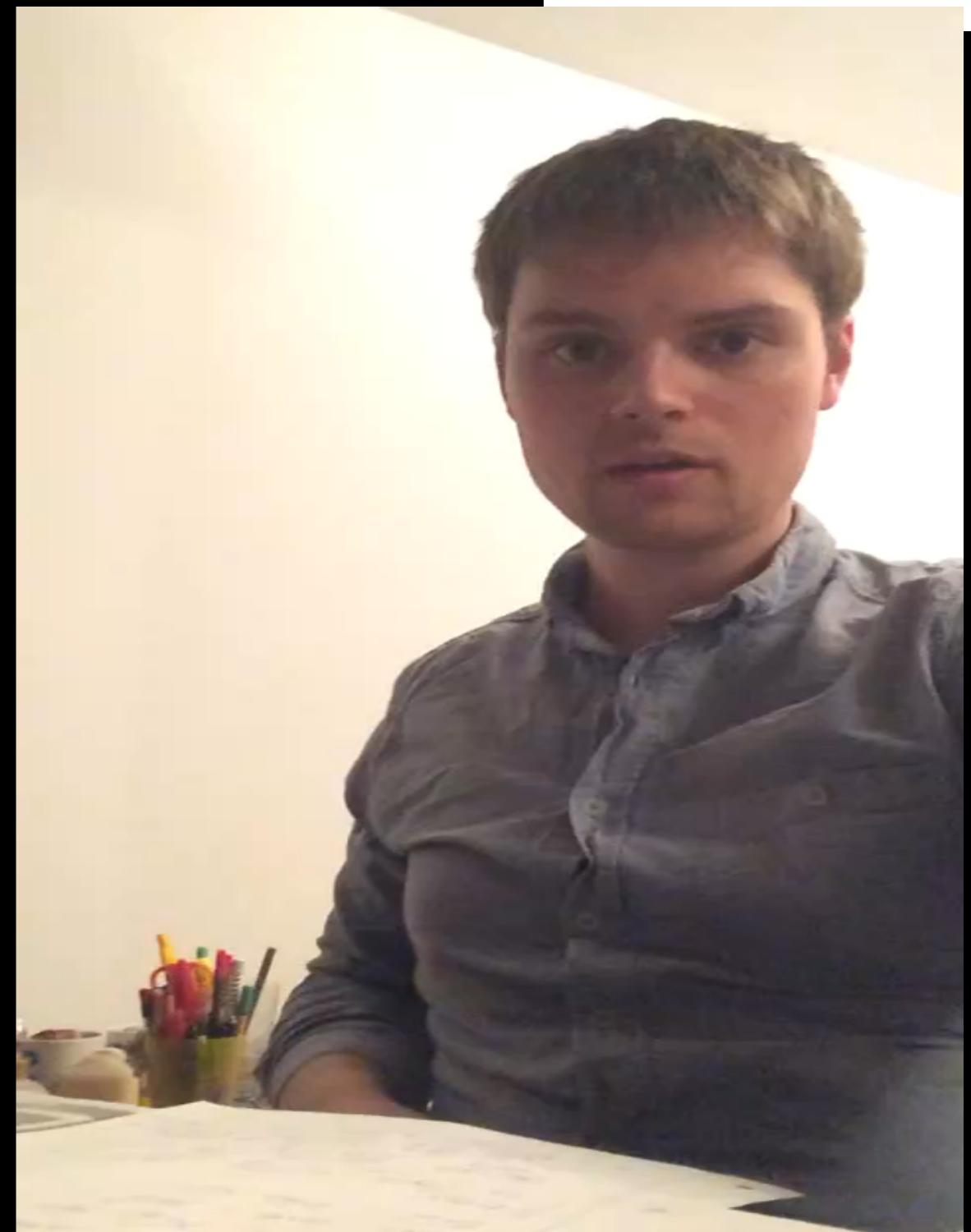
MURIEL WARDEN

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ROB EVANS WAS A STUDENT OF WORLE
COMMUNITY SCHOOL AND NOW WORKS
FOR EDF'S NUCLEAR POWER DIVISION...



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JASON.EDWARDS@PCSA.ORG.UK

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Actually, I can.

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MARK TONG

LESLEY EVANS

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Study Skills : Revision
Let's focus on what counts

Why?



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The Revision Cycle Flow Chart

KNOW the 'What?' and 'How?':

- ✓ What is the exam focus/theme/topic?
 - ✓ How long is the exam?
- ✓ What is the format or structure? (Short answers, long written answers)
 - ✓ How do you get the top marks?

ORGANISE your information:

- ✓ Find and make your notes on the topic
- ✓ Find any web links or online support

PLAN your revision:

- ✓ List what you need to learn (PLCs?)

DO your revision:

- ✓ Try out different techniques, find what works

TEST yourself:

- ✓ Answer questions on the topic
 - ✓ Do online tests
- ✓ Get others to quiz you and write your answers
- ✓ Teach others how to do /understand the focus
- ✓ DO practice papers and follow a mark scheme to check your learning



REVIEW what you know

Find out what is and isn't working
yet for you

Then PLAN what needs more
revision.

DO the cycle again and 'top-up' your
learning.



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Study Skills : Revision Let's focus on what counts

Find out the 'What', the 'How' and the 'Why?'

- Know what you will be tested on and in what format
- Know what great looks like and understand how you secure the most marks

Commit to plan your success:

- Space your learning - learn in short bursts, test yourself over several weeks

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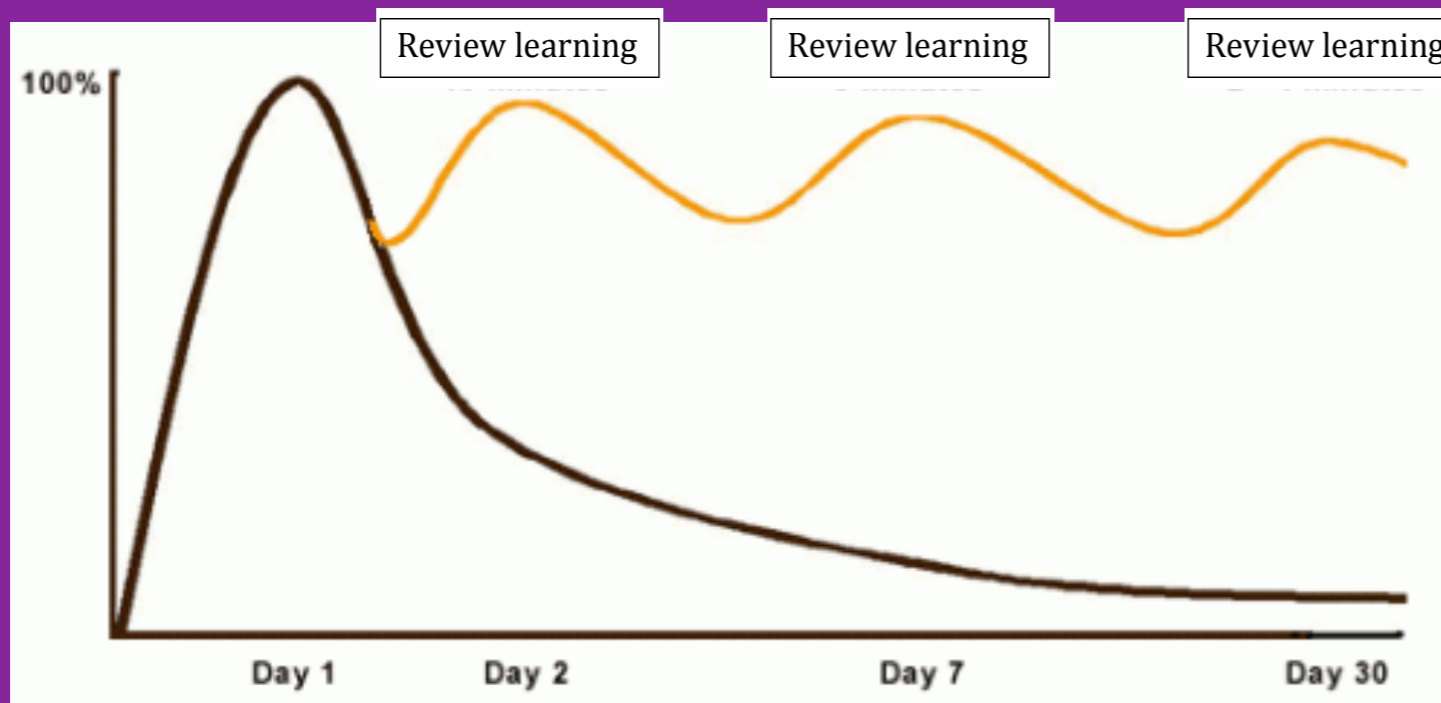


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Reviewing to 'make it stick'

Research shows us that in 24 hours you will forget about 70-80% of what you have learnt if you don't REVIEW your work.

The Curve of Forgetting

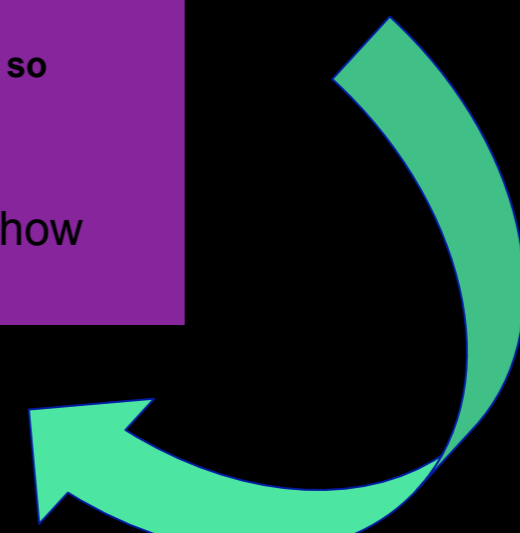


**How can we
remember
better?**

If you continue to review your learning regularly you keep your learning 'topped up' so
USE IT OR LOSE IT! Regular reviewing makes great revision = **EXAM SUCCESS.**

FACT: Students who do not quiz themselves often over-estimate how well they know the material.

Spaced Learning



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Let's focus on what counts

Find out the 'What', the 'How' and the 'Why?'

- Know what you will be tested on and in what format
- Know what great looks like and understand how you secure the most

Commit to plan your success:

- Space your learning - learn in short bursts, test yourself over several weeks (cramming can give a false sense of security)

Structure information – don't try to remember it!

- Making notes, deep thinking about how information relates or links to other material, practise writing answers: gives depth of processing and secures your recall.
- Stable narratives also depend on WRITING essay plans or extended questions—just going over it in your mind is not enough – it's easy to kid yourself about what you think you know!

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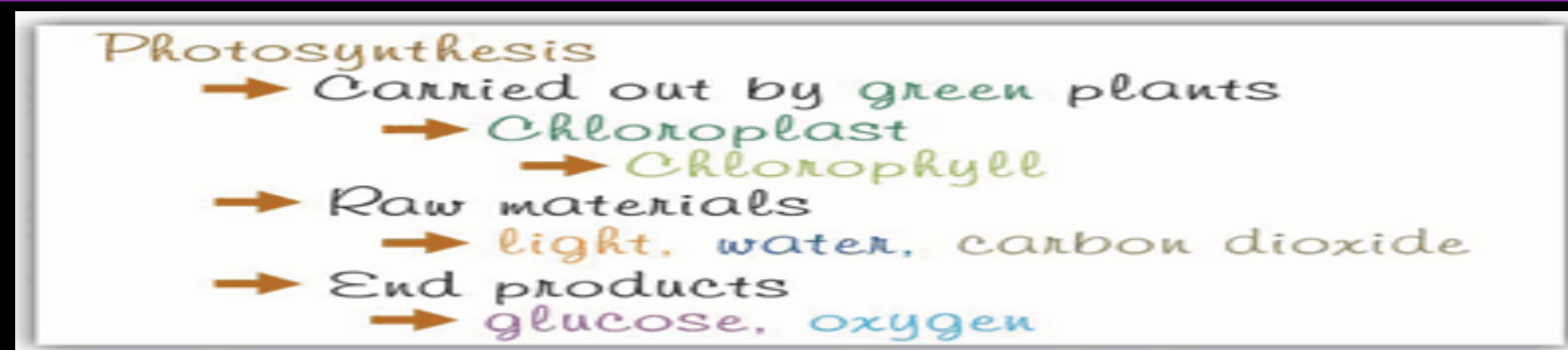


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All Subjects...

THE OUTLINING METHOD

Method: This helps you to write points in an organised pattern based on space indentation. Place major points farthest to the left. Indent each more specific point to the right. Levels of importance will be indicated by distance away from the major point. Indentation can be as simple as or as complex as labeling the indentations with numbers or decimals. Markings are not necessary as space relationships will indicate the major/minor points.



Advantages:

Well-organised system if done right. Outlining records content as well as relationships. It also reduces editing and is easy to review by turning main points into questions.

Disadvantages:

Requires more thought in class for accurate organisation. This system is more useful for organising revision notes. This system can take time.

When to use it: Use this method for making revision notes. Use this system when you have time to think about the order of your notes and how things connect.

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History, Geography and RS



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THE CHARTING METHOD

Method: Determine the categories to be covered in your revision notes. Set up your paper in advance by columns headed by these categories. As you take notes, record the information (words, phrases, main ideas, etc) into the appropriate category.

Topic	Christian Views	Muslim Views	My Opinion
Human Rights			
Abortion			
God			

DATES	WAR	COUNTRIES	LEADERS	SIGNIFICANCE
1939 - 1945	WORLD WAR II	GERMANY JAPAN GREAT BRITAIN RUSSIA USA FRANCE POLAND and more	ADOLF HITLER JOSEPH STALIN FRANKLIN ROOSEVELT WINSTON CHURCHILL	BLAME BLAME BLAME
1950 - 1953	KOREAN WAR	KOREA USA CHINA	HARRY TRUMAN KIM IL-SUNG	

Advantages:

Helps you gain an overview of the topic. Reduces the amount of writing necessary. Provides easy review mechanism for both memorisation of facts and study of comparisons and relationships.

Disadvantages:

Few disadvantages except learning how to use the system and locating good categories.

When to use it: Use this method when you want to focus on both facts and relationships. Use when you want to get an overview of the whole course on one big piece of paper.

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All Subjects...

THE SENTENCE METHOD

Method: Write every new thought, fact or topic on a separate line, numbering as you go and using different colours.

Example:

At first, Freud tried conventional, physical methods of treatment such as giving baths, Massages, rest cures, and similar aids. But when these failed he tried techniques of Hypnosis that he had seen used by Jean-Martin Charcot. Finally, he borrowed an idea from Jean Breuer and used direct verbal communication to get an un-hypnotized patient to reveal unconscious thoughts.

SAMPLE NOTES:

Freud 1st – used phys. Trtment; e.g, baths, etc. this fld. 2nd – used hypnosis (fr. Charcot)

Finally – used vrb. Commun. (fr. Breuer) – got unhyypnop, patnt to reveal uncons. thoughts.

Advantages:

Notes are shortened and abbreviations are used. Slightly more organised than the paragraph. Gets more or all of the information. Thinking is increased.

Disadvantages:

You can't clearly see what the major points are. Difficult to edit without having to rewrite by clustering points which are related. Difficult to review unless editing cleans it up.

When to use it: Use when you want to clearly organise you notes into mapped categories. Use when you want to put lots of detail onto your maps. Use when you want to group together detail into logical orders.

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All Subjects...

THE MAPPING METHOD

Method: Mapping uses comprehension/concentration skills and evolves in a note taking form which relates each fact or idea to every other fact or idea. Mapping is a graphic representation of the notes. It involves critical thinking in order to connect ideas together.

EXTRASENSORY PERCEPTIONS

3 TYPES

TELEPATHY

- SENDING MESSAGES

CLAIRVOYANCE

- FORECASTING THE FUTURE

PSYCHOKINESIS

- PERCEIVING EVENTS EXTERNAL TO SITUATION

Advantages:

It helps you visually track your notes. Little thinking is needed and relationships can easily be seen. It is easy to edit notes. Main points can be written in different colours.

Disadvantages:

They can easily become messy.

When to use it: Use this method when you want your notes to be well-organised. May also be used when you want to add lots of detail to your notes.

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Cornell Notes

The Cornell Note Taking System is used all over the world for taking **structured** notes. It divides your notes into sections and forces you to **engage** and **select** what information is important.

The Giant, 'Wonky I' Structure of Your Page

1. Put the topic you are taking notes on in this box.

2. Begin to take notes about the topic in this box.

3. Once you have completed this box with notes, go through your notes and underline and highlight all keywords and key points.

4. Write the keywords and key points in this box.

5. Summarise what you have learnt into 2 or 3 sentences in this box.

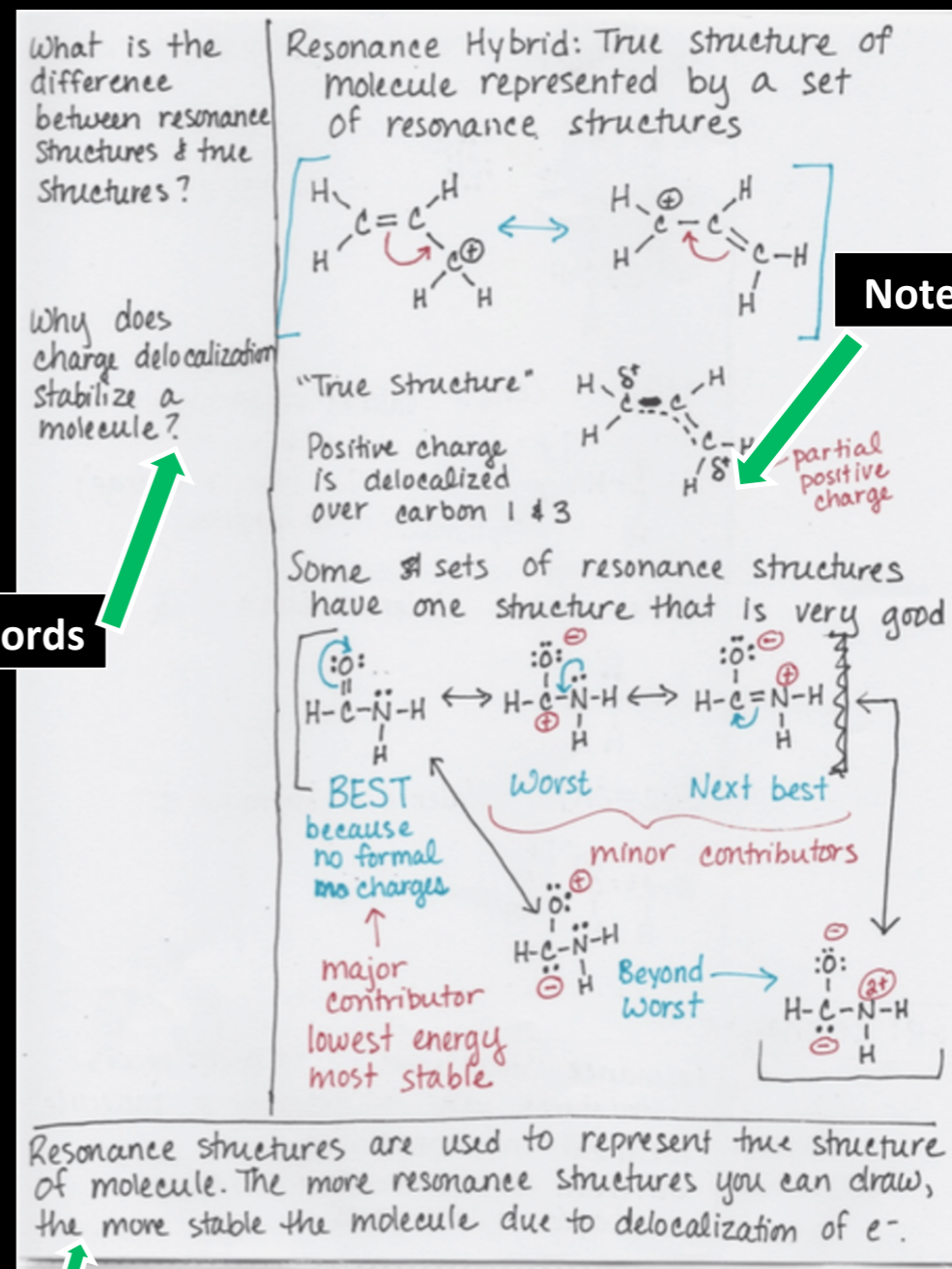
Example

Title

Resonance Structures and True Structures



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Notes

Keywords

Summary

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Flash Cards

Flashcards work in a really simple way:

1. On one side of the card, write something you need to know. For example:

Figures of speech
Metaphor

2. On the other side of the card, write the answer or detail:

**A metaphor is a _____ that
is used to describe and make a

e.g:
David is a cheeky monkey.
She is a walking dictionary.**

The big advantage of flashcards is that you are reinforcing your learning as you make them and then you can test yourself or get someone else to.



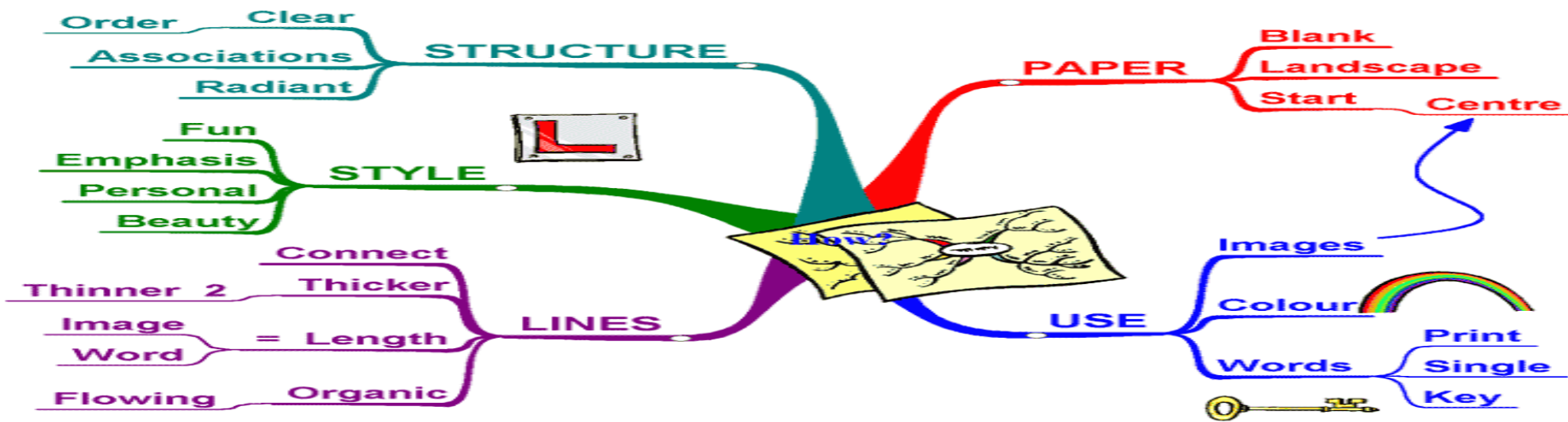
It's true!
Recent research has found that using flashcards is one of the most effective techniques for retaining information

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Mind Maps



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TONY BUZAN®

USE YOUR MEMORY

UNDERSTAND YOUR MIND
TO IMPROVE YOUR MEMORY AND MENTAL POWER

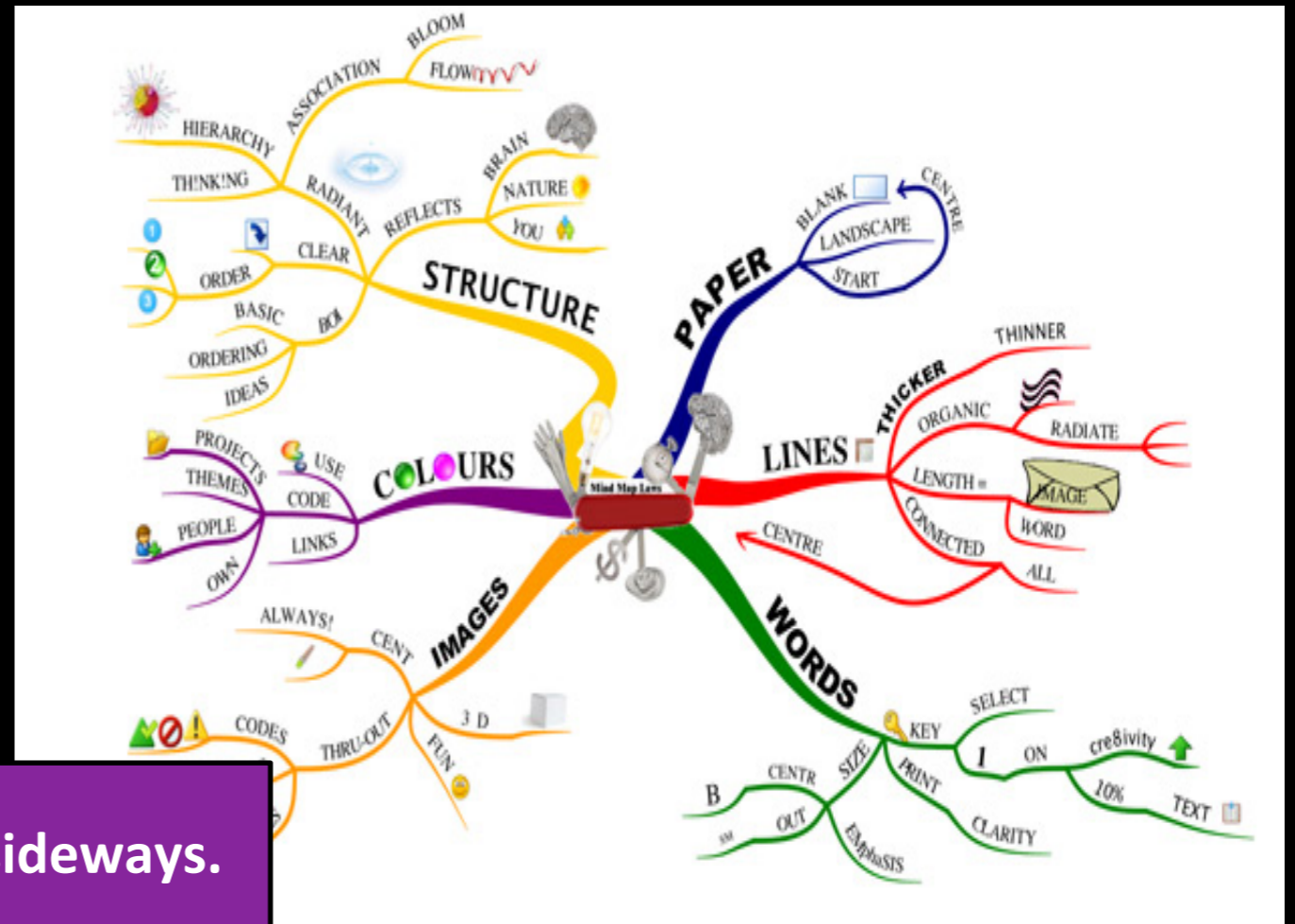
'The biggest name in memory'
The New Yorker

BBC ACTIVE

- A Mind Map is a powerful graphic technique that helps to unlock the potential of the brain.
- It makes use of words, images, number, logic and colour. It allows your brain to be creative.
- It reinforces and builds new neural pathways, aiding recall.
- Studies have shown that students who practice this technique and master it see improved learning and clearer thinking in exams.
- To master mind mapping, it takes practice, resilience and redrafting.

HOW TO MIND MAP

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- Start in the **CENTRE** of a blank page turned sideways.
- Use an **IMAGE** or **PICTURE** for your central idea.
- Use **COLOURS** throughout.
- **CONNECT** your **MAIN BRANCHES**.
- **CURVE** your lines.
- Use **ONE KEY WORD** per line.
- Use **IMAGES** throughout.

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DAVID PYE

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Using the tools available

- GCSEpod
- The course syllabus
- Past papers
- For the highest grades the most detailed revision resources – which will often be a student's own notes.

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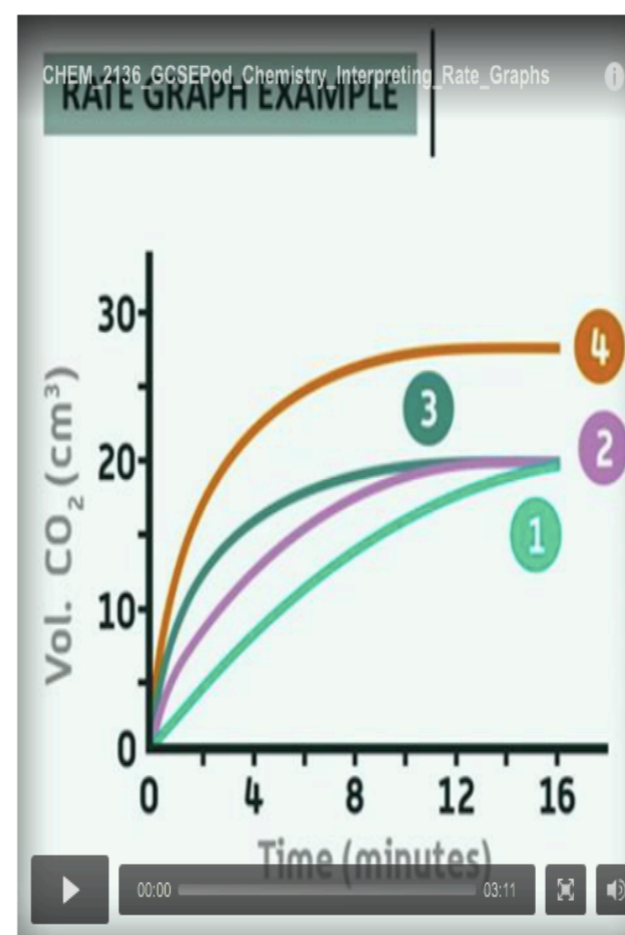


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GCSEpod – working in detail

- Listen to a 'pod'
- Listen again – note keywords
- Put it away – write a paragraph including all the keywords.
- Check – listen again – does your understanding agree with the pod

ADDITIONAL SCIENCE / C3/CHEMICAL ECONOMICS RATES OF REACTION (1)



PODS

▶ Interpreting Rate Graphs	00:03:11	↓	★
▶ Measuring Reaction Rates	00:03:23	↓	★

Share this title:

EMAIL GET LINK

If the person you are sending this to does not have a GCSEpod account they will not be able to view the Pods

DURATION: 7 MINS

ADD THIS TITLE TO MY DOWNLOADS

ADD THIS WHOLE TOPIC TO MY DOWNLOADS

Works on iOS, Android and Blackberry

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Using the Syllabus

C Grade

- Candidates recall, select and communicate secure knowledge
- They use scientific and technical knowledge, terminology and conventions appropriately, showing understanding.

A Grade

- Candidates recall, select and communicate precise knowledge and detailed understanding
- They use scientific and technical knowledge, terminology and conventions appropriately and consistently.

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Using the Syllabus

C Grade

- ...in a range of practical and other contexts
- This only requires that a range of situations that have been taught are remembered.

A Grade

- ...in a wide range of practical and other contexts
- This requires application of understanding to new situations that probably haven't been taught.



Past Papers

- Questions - a tip – examiners are required to cover the whole syllabus every three years
- No guesses – no gaps – the paper isn't a test when revision is occurring
- Details for marks – make sure the number of separate details in an answer matches the number of marks available.

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Own Notes

- Teachers ensure that students have the opportunity to compile detailed notes.
- These are deliberately targeted at what needs to be covered.
- They are therefore, regularly, the best source to revise from.

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RICHARD SHEPPARD

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Dealing with Stress

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Stress is OK.....but....



Too much stress makes it hard to think clearly



Two strategies

- Manage the stress that is created when you face life's problems
- Reduce your background level of stress, so that you are calmer when a problem arrives.

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Strategy 1



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7/11 Breathing

7
breathe
in

Count 1 to 7

First, count from one to seven
on each "in" breath

11
breathe
out

Count 1 to 11

. . . . then, counting at the same
rate, count from one to eleven
on each "out" breath

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Peripheral Vision



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Strategy 2



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Generating less stress

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“Mindfulness means
paying attention
in a particular way;
On purpose, in
the present moment,
and non-judgmentally.”

Jon Kabat-Zinn



Mindfulness ...

- Is about developing attention skill
- Requires practice
- Helps emotional regulation
- Makes life easier





Resources to manage stress

- NHS exam stress advice NHS exam stress advice
<http://www.nhs.uk/conditions/stress-anxiety-depression/pages/coping-with-exam-stress.aspx>
- BBC exam stress advice
<http://www.bbc.co.uk/programmes/articles/IHsYIX8ySjKBMVXPVCbP4qH/exam-stress>
- Young Minds Charity
<http://www.youngminds.org.uk/>

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Cognitive Behavioural Therapy CBT for Teenagers

My Anxious Mind by Michael Tompkins and
Katherine Martinez

Starving The Anxiety Gremlins by Kate Collins-
Donnelly

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Mindfulness

Headspace offers a free ten day app to start you learning Mindfulness. Informative website and you can choose to buy products later. <https://www.headspace.com/>

Mindfulness. A practical guide for finding peace in a Frantic World by Prof Mark Williams and Danny Penman is a book with accompanying CD

Quiet the Mind a book for teenagers by Matthew Johnstone

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IAN SHOPLAND

JAMES WHITE

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Objectives

1. To introduce a tool to help A*-A and 9-7 students organise their home study.
2. To share case study stories of success from previous years

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Try 'The Cold War' or 'DNA'

Join

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- Create
- GCSE
- A Level & IB
- University
- Study planner**
- Past papers
- For teachers

Create your smart Study Planner

Make revision manageable. Build a plan around your life. Get confident for your exams.

Get started. It's free

Organise your revision time

Balancing studying with the fun stuff in life can be difficult. Revising can get in the way of everything from meeting friends to relaxing after school.

Building a revision plan helps you manage your time more effectively. It gives you a clear idea of what subjects and

This week: 20th - 26th April

	Mon 20th	Tue 21st	Wed 22nd	Thu 23rd	Fri 24th	Sat 25th	Sun 26th
09:00 - 10:00	GCSE Law	AS Mathematics	AS Psychology	AS Biology	AS Psychology	Lie in	Lie in
10:00 - 11:00	AS Mathematics			add activity	add activity	Badminton	AS Psychology
11:00 - 12:00	AS English			GCSE Law	AS English Literature		add activity

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https://getrevising.co.uk/planner

Create GCSE A Level & IB University Study planner Past papers For teachers

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11:00 - 12:00	AS English Literature (AQA)	Free time	AS Biology	GCSE Law	AS English Literature		add activity
12:00 - 13:00	AS Mathematics (Edexcel)	add activity	add activity	AS English Literature (AQA)	add activity	AS Biology	AS Mathematics (Edexcel)
13:00 - 14:00		AS English	add activity	AS Biology	Lunch with friends	AS Biology	add activity

https://getrevising.co.uk/planner/setup/auth



09:30
18/11/2016

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Ready to start learning?

Create your free account to start using Get Revising

Already have an account? [Log in](#)

Username

MrShopland

Email address

ian.shopland@pcsa.org.uk

Password

Weak

Are you a teacher? Yes No

Organise your

Balancing studying
Revising can get in
friends to relaxing

Building a revision
effectively. It gives
topics you'll be rev
studies around your life.

The Get Revising Study Planner:

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← → ↻ <https://getrevising.co.uk/register> ☆

What subjects do you study?

- | | | |
|--|---|--|
| <input type="checkbox"/> Biology | <input type="checkbox"/> French | <input type="checkbox"/> Music |
| <input type="checkbox"/> Business Studies | <input checked="" type="checkbox"/> Geography | <input checked="" type="checkbox"/> Physical Education |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> History | <input type="checkbox"/> Physics |
| <input checked="" type="checkbox"/> English | <input type="checkbox"/> ICT | <input checked="" type="checkbox"/> Religious Studies |
| <input checked="" type="checkbox"/> English Literature | <input checked="" type="checkbox"/> Mathematics | <input checked="" type="checkbox"/> Science |

Course not here?

GCSE	▼	✕
Spanish	▼	
Select a level of study	▼	✕
Select a subject	▼	

[+ Add another subject](#)

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What level do you study?

GCSE

What subjects do you study?

- | | | |
|--|---|---|
| <input type="checkbox"/> Biology | <input type="checkbox"/> French | <input type="checkbox"/> Music |
| <input type="checkbox"/> Business Studies | <input checked="" type="checkbox"/> Geography | <input type="checkbox"/> Physical Education |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> History | <input type="checkbox"/> Physics |
| <input checked="" type="checkbox"/> English | <input type="checkbox"/> ICT | <input type="checkbox"/> Religious Studies |
| <input checked="" type="checkbox"/> English Literature | <input checked="" type="checkbox"/> Mathematics | <input checked="" type="checkbox"/> Science |

Course not here?

Select a level of study

Select a subject

Add another subject

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Try 'The Cold War' or 'DNA'



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Reach your target grade

Smart revision tools proven to boost your grades

Get started ▶

Homework and exam help

Search over 240,500 study resources

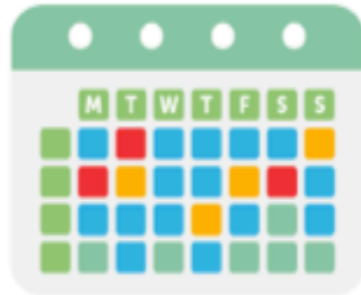
Try the 'Cold War', 'DNA' or 'Algebra'...

Search ▶

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Create your study plan



Take the stress out of homework and exams. Tell us what you're studying and get a personalised study plan in under 5 minutes.

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Practising past papers is the best way to tell if you're ready for exams. Our smart tool can find past papers for all levels and subjects.

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- ✓ Track your progress

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Building a revision plan helps you manage your time more effectively. It gives you a clear idea of what subjects and topics you'll be revising each day and helps you organise your studies around your life.

The Get Revising Study Planner:

- ✓ Builds revision sessions around your life
- ✓ Automatically adds revision sessions for you
- ✓ Prioritises subjects you find difficult

Get started. It's free

Get started. It's free

This week 20th - 26th April Week Month

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13:00 - 14:00	Extra Maths revision	AS English Literature	add activity	AS Biology	Lunch with Izzy	AS Biology	add activity
14:00 - 15:00	AS Biology		GCSE Law	AS Psychology	add activity	AS Psychology	add activity
15:00 - 16:00		Free time		AS Mathematics	AS Biology	AS Psychology	
16:00 - 17:00	Individual help		AS Psychology	add activity	add activity	AS Mathematics (Edexcel)	Sarah's birthday
	add activity		add activity	add activity			

A/A* INFORMATION EVENING



https://getrevising.co.uk/planner

Getting started - Add your subjects

Let's get your planner started in a few easy steps. First tell us what you're studying so we can add them to your planner.

Level	Subject	Exam board	Target grade
GCSE	English	AQA	A*
GCSE	English Literature	Edexcel	A
GCSE	Geography	WJEC	A
GCSE	Mathematics	Edexcel	A
GCSE	Physical Education	Not sure	A
GCSE	Religious Studies	OCR	A
GCSE	Science	AQA	A*
GCSE	Spanish	AQA	A

[Add another subject](#)

- Select your target grade
- A*
 - A
 - B
 - C
 - D
 - E
 - Other

Save and continue

A/A* INFORMATION EVENING



THE PRIORY
LEARNING TRUST

Study priorities [Close]

Mathematics	<input type="range" value="75"/>	100	Lock	Reset
Physical Education	<input type="range" value="10"/>	100	Lock	Reset
Religious Studies	<input type="range" value="25"/>	100	Lock	Reset
Science	<input type="range" value="65"/>	100	Lock	Reset
Spanish	<input type="range" value="55"/>	100	Lock	Reset

Back **Save and continue**

A/A* INFORMATION EVENING



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Study priorities

My study priorities are: [Reset Sliders](#)

English	<input type="range" value="25"/>	Unlock Reset
English Literature	<input type="range" value="40"/>	Unlock Reset
Geography	<input type="range" value="65"/>	Unlock Reset
Mathematics	<input type="range" value="75"/>	Unlock Reset

[Unlock this slider](#)

[Back](#) [Save and continue](#)

A/A* INFORMATION EVENING



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🕒 When you're in classes ✕

The planner won't schedule revision or study time when you're in classes

I'm in classes every weekday from

to

or

I'm on study leave and/or have no regular classes:

or

Add my classes individually:

Back

Save and continue

A/A* INFORMATION EVENING



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Other times you can't study ✕

Outside my classes I don't want to study before in the morning or after

at night.

Got other stuff that happens every week? Sports? Job? Visiting Grandma?

Add

A/A* INFORMATION EVENING



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Other times you can't study ✕

Outside my classes I don't want to study before in the morning or after at night.

Got other stuff that happens every week? Sports? Job? Visiting Grandma?

+ ✕

+ ✕

+ ✕

+ Add another

3:45pm

4:00pm

4:15pm

4:30pm

4:45pm

5:00pm

Back

Save and continue

A/A* INFORMATION EVENING



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Add a holiday ✕

Title

Holiday dates

From

Until

18/11/2016

I plan to carry on studying through this holiday

Yes No

Cancel

Save and continue

A/A* INFORMATION EVENING



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★ Add an exam

Tell us when your exams are and when you want to start revising. We'll do the rest.

Subject

GCSE Geography (WJEC)

When will this exam take place?

Date 25/11/2016

Time 1:00pm

Duration

« June 2017 »

01:00

Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

When

18/11

How

revising for this exam?

revising for this exam?

Cancel

Save and add another exam

Save and continue

A/A* INFORMATION EVENING



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★ Add an exam ✕

Duration

When would you like to start revising for this exam?

How many hours do you want to spend revising for this exam?

 ▼

[?](#) Help

Title

Code

Notes

Colour

Cancel

Save and add another exam

Save and continue


A/A* INFORMATION EVENING





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Home > Study Planner > 14th - 20th November


Study Planner


 [Edit exams](#)

 [Add a new commitment](#)


 [Edit subjects](#)


 [Edit deadlines](#)

 [Edit classes](#)

 [Add a new holiday](#)

 [Printable PDF](#)

 [Study leave](#)

 [Reset my study sessions](#)

 [Erase and start again](#)

 [Help](#)

This week

◀ 14th - 20th November ▶

See earlier ▲

	Mon 14th	Tue 15th	Wed 16th	Thu 17th	Fri 18th	Sat 19th	Sun 20th
00:00 - 01:00							add activity
01:00 - 02:00							add activity
02:00 - 03:00							add activity
03:00 - 04:00							add activity

A/A* INFORMATION EVENING



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14:00 - 15:00						add activity	
15:00 - 16:00						add activity	
16:00 - 17:00	GCSE Geography (WJEC)	GCSE English Literature (Ede...)	GCSE English (AQA)	add activity	GCSE Physical Education	add activity	add activity
17:00 - 18:00	add activity	add activity	add activity	Rugby Practice	add activity	add activity	add activity
18:00 - 19:00	Tea	Tea	Tea	Tea	Tea	add activity	add activity
19:00 - 20:00	GCSE Religious Studies (OCR)	GCSE Science (AQA)	GCSE Mathematics (Edexcel)	GCSE Spanish (AQA)	add activity	add activity	add activity
20:00 - 21:00	add activity	add activity	add activity	add activity	add activity	add activity	add activity
21:00 - 22:00	Relaxing reading	Relaxing reading	Relaxing reading	Relaxing reading	TV night	add activity	add activity

See later ▾

14th - 20th Nov

21st - 27th Nov

28th - 4th Dec

5th - 11th Dec

12th - 18th Dec

19th - 25th Dec

A/A* INFORMATION EVENING



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21st - 27th November

GetRevising
learn together

	Mon 21st	Tue 22nd	Wed 23rd	Thu 24th	Fri 25th	Sat 26th	Sun 27th
11:00 - 12:00							
12:00 - 13:00							
13:00 - 14:00	School	School	School	School	School		Rugby Match
14:00 - 15:00							
15:00 - 16:00							
16:00 - 17:00	GCSE Geography (WJEC)	GCSE English Literature (Edexcel)	GCSE English (AQA)		GCSE Physical Education		
17:00 - 18:00				Rugby Practice			
18:00 - 19:00	Tea	Tea	Tea	Tea	Tea		
19:00 - 20:00	GCSE Religious Studies (OCR)	GCSE Science (AQA)	GCSE Mathematics (Edexcel)	GCSE Spanish (AQA)			
20:00 - 21:00							
21:00 - 22:00	Relaxing reading	Relaxing reading	Relaxing reading	Relaxing reading	TV night		

A/A* INFORMATION EVENING



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Top Tips to achieve A* or Grade 9

Use mind maps to connect ideas

Understand your learning style and vary techniques

– visual, auditory or kinesthetic

Revise at the best time of day for you

Practise, practise, practise! - Repeated testing using past exam papers

A/A* INFORMATION EVENING



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Top Tips to achieve A* or Grade 9

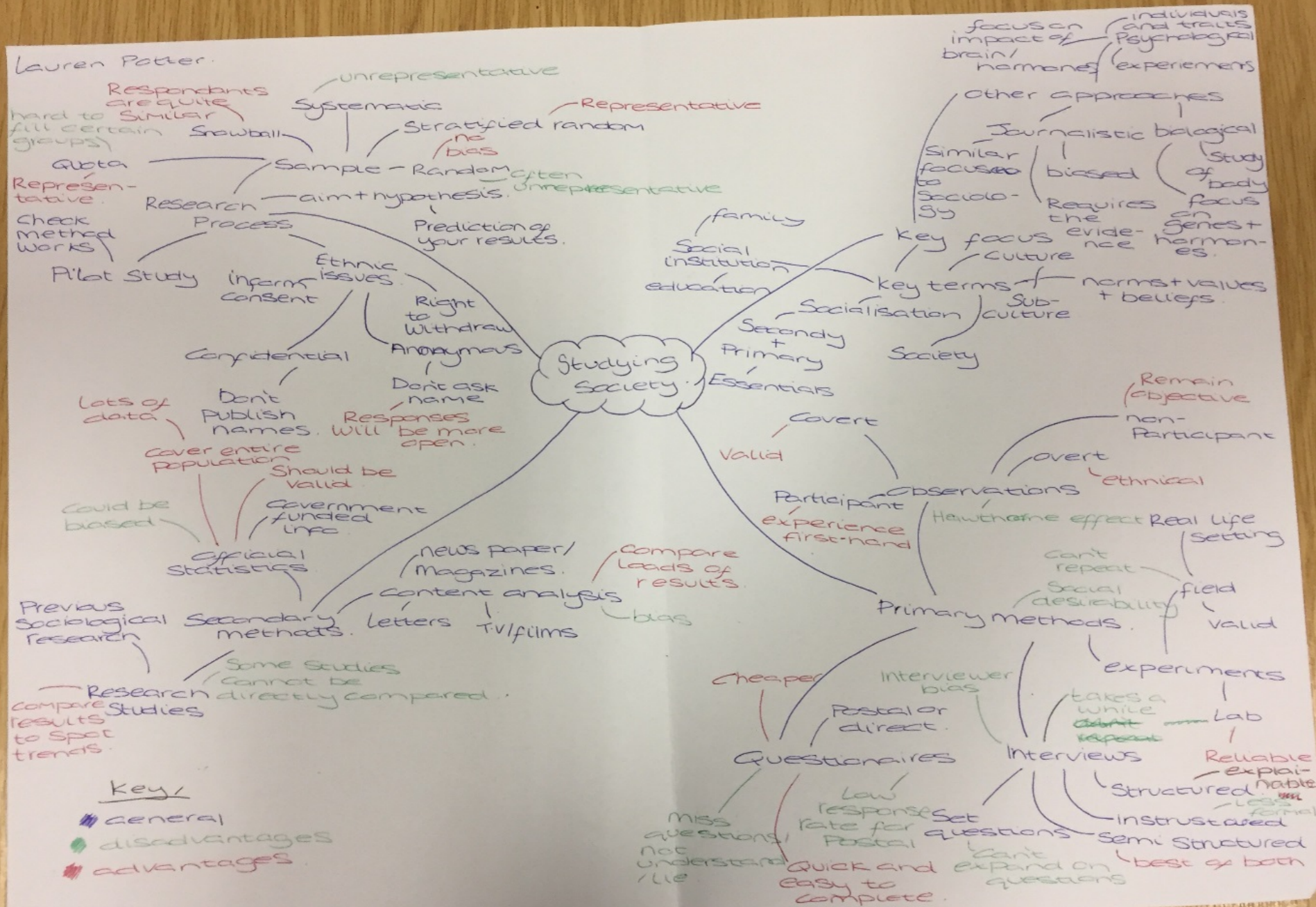
There is no substitute for hard work – start now!
Create a revision timetable – identify very specific areas for development

Build in regular study breaks – taking regular study breaks and exercising is proven to improve your exam performance in the long run

A/A* INFORMATION EVENING



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Key:

- general
- disadvantages
- advantages

A/A* INFORMATION EVENING

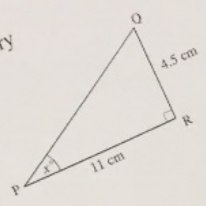


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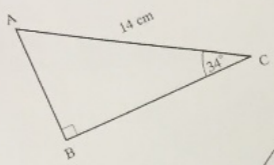
© Mathswatch Clip 147

Trigonometry

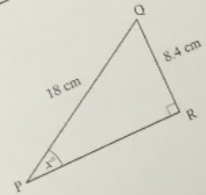
1) PQR is a right-angled triangle.
PR = 11 cm.
QR = 4.5 cm.
Angle PRQ = 90°
Work out the value of x .
Give your answer correct to 1 decimal place.



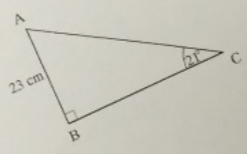
2) AC = 14 cm.
Angle ABC = 90°
Angle ACB = 34°
Calculate the length of BC.
Give your answer correct to 3 significant figures.



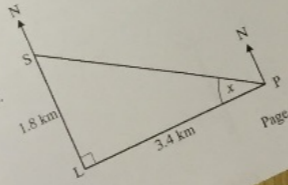
3) PQR is a right-angled triangle.
PQ = 18 cm.
QR = 8.4 cm.
Angle PRQ = 90°
Work out the value of x .
Give your answer correct to 1 decimal place.



4) AB = 23 cm.
Angle ABC = 90°
Angle ACB = 21°
Calculate the length of AC.
Give your answer correct to 3 significant figures.



5) A lighthouse, L, is 3.4 km due West of a port, P.
A ship, S, is 1.8 km due North of the lighthouse, L.
Calculate the size of the angle marked x .
Give your answer correct to 3 significant figures.



Page 140

Edexcel GCSE Mathematics (Linear) – 1MA0

TRIGONOMETRY

Materials required for examination
Ruler graduated in centimeters and millimeters, protractor, compasses, pen, HB pencil, eraser.
Tracing paper may be used.

Items included with question papers
Nil

Instructions

Use black ink or ball-point pen.
Fill in the boxes at the top of this page with your name, centre number and candidate number.
Answer all questions.
Answer the questions in the spaces provided – there may be more space than you need.
Calculators may be used.

Information

The marks for each question are shown in brackets – use this as a guide as to how much time to spend on each question.
Questions labelled with an asterisk (*) are ones where the quality of your written communication will be assessed – you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.

Advice

Read each question carefully before you start to answer it.
Keep an eye on the time.
Try to answer every question.
Check your answers if you have time at the end.

A/A* INFORMATION EVENING



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$$\begin{array}{r} 10 \\ 3.38 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 224^8 \\ 114^c \\ \hline 3.38 \end{array}$$

$$\begin{array}{r} 1156 \\ 56 \\ \hline 1056 \\ 56 \\ \hline 2.24 \end{array}$$

Year 11 Tutor Time Number Week Commencing 14th November 2016 week 3.

Level 2/3

A Packet of biscuits costs 56p.

A bottle of cola costs £1.14.

Emma buys 4 packets of biscuits and a bottle of cola. She pays with a £10 note.

Calculate how much change she gets.

£6.62 (3)

Level 4

1. $\frac{5}{8}$ $\frac{1}{2}$ $\frac{3}{4}$

Write these fractions in order of size.
Start with the smallest fraction.

$$\frac{5}{8} \cdot \frac{1}{2} \cdot \frac{3}{4} \dots (3)$$

Level 5/6

Using the information that

$$19 \times 24 = 456$$

Write down the value of:

- (a) 19×240
- (b) 19×2.4
- (c) $1.9 \div 2.4$

$$\begin{array}{r} 4236 \\ 456 \\ \hline 456 \end{array} \dots (1)$$

Level 7

Factorise and solve

$$x^2 - 4x - 45 = 0$$

.....(3)

Level 8

Express $\frac{6}{\sqrt{2}}$ in the form $a\sqrt{b}$, where a and b are positive integers.

.....(2)

This page is left blank for your workings out.

$$\begin{array}{r|l} 10 & 200 \quad 40 \\ \hline 9 & 1800 \quad 36 \\ \hline & 2400 \\ & 1836 \\ \hline & 4236 \\ & 1 \end{array}$$

x	20	4	
70	200	40	240
9	180	36	216
			456

A/A* INFORMATION EVENING



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Good Luck

