



Year 11 Revision Evening

Thursday

19th September 2024

SUPPORT FOR REVISION – ENGLISH, MATHS AND SCIENCE



Aims of this evening:

Welcome

Guidance for
Science GCSE

Guidance for
English GCSE

Guidance for
Maths GCSE

How to help
at home.

Useful online
resources.



How can I support my child in this context?

When should my child start reviewing work?

How long should my child revise for?

Do I need to buy revision guides?

How can I be supportive when I don't know all the exam content?

What does good revision look like?

Revision starts now



BELIEF



PREPARATION



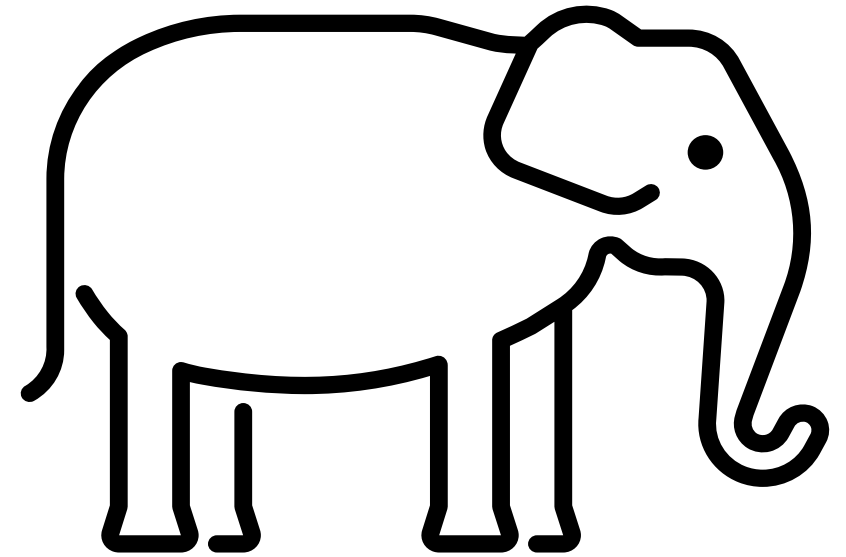
HARD WORK



SUPPORT

How do you eat an
elephant?...

...One bite at a
time!



What is revision anyway?

Revision is about trying to condense a large amount of knowledge into manageable chunks so that you can recall more of it.

Revision is also about knowing what skills you need to practise for exam success.

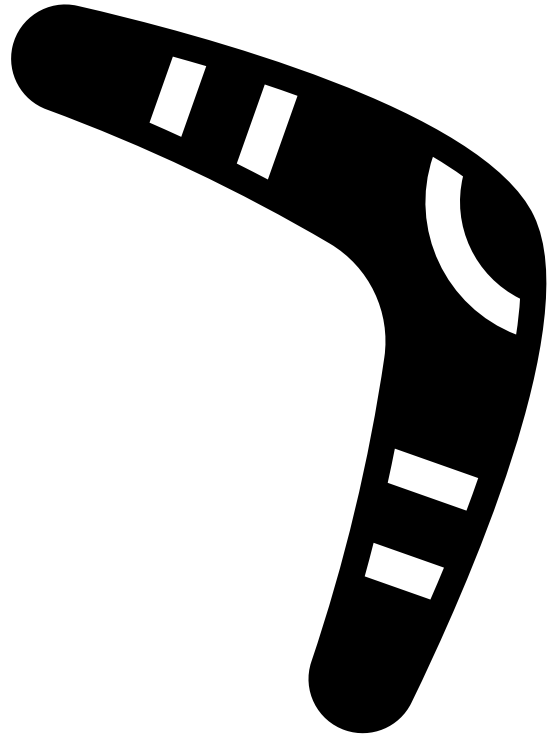




Exam Problems

@ExamProblems

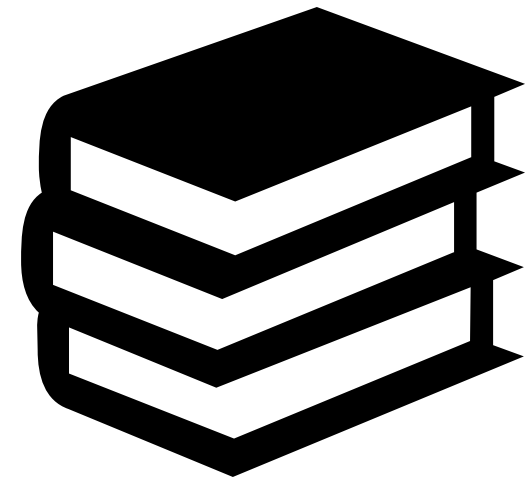
Trying to highlight all the important notes
in your revision and being left with a piece
of paper that's brighter than your future



Tried and
tested revision
strategies

AQA	Eduquas	Edexcel GCSE	Edexcel BTEC	OCR GCSE
Art and Design	Design and Technology (Graphics and RM)	Business Studies	Animal Care (First Award)	Computer Science
Biology		Drama	Child Development (Tech Award)	Music
Chemistry	Food Prep and Nutrition	History	Sport (Tech Award)	Cambridge National IT
Physics			Health and Social Care (Tech Award)	
Combined Science				
French				
English Literature				
English Language				
Maths				
Further Maths				
Geography				
Religious Studies				

Know your Exam Boards



Sample Revision Timetable

	4:00-4:45	4:45-5:30	5:30-6:30	6:30-7:15	7:15-8:00
Wed 5 th	English Paper 1	Maths Paper 1	Break/Tea	Science Paper 1	History
Thur 6 th	PE	Spanish	Break/Tea	FOOTBALL	FOOTBALL
Fri 7 th	Science Paper 2	Maths Paper 2	Break/Tea	History	Spanish
	9:00-9:45	10:00-10:45			
Sat 8 th	Science Paper 3	Geog.			

Your revision timetable should be unique to you – you might have commitments (e.g. job, family) and you need to balance these. Consistent, disciplined revision beats unstructured cramming every time.

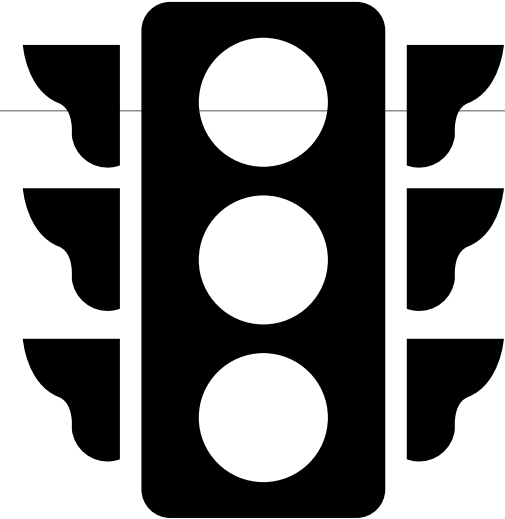
[Revision Timetable Maker / Study Planner \(getrevising.co.uk\)](http://getrevising.co.uk)

GCSE HISTORY RAG

	Red	Amber	Green	Plan & Prep book Completed!
<u>Weimar & Nazi Germany</u>				
THE WEIMAR REPUBLIC 1918-33 (17)				
The legacy of the first world war				
The German revolution 1918-19				
The abdication of the Kaiser				
The declaration of a republic				
The Council of people's representatives				
The armistice				
Setting up the Weimar republic				
The national assembly				
The Weimar constitution				
The strengths and weaknesses of the Weimar constitution				
The weaknesses of the constitution				
EARLY CHALLENGES OF THE REPUBLIC, 1919-33 (17)				
Unpopularity of the republic				
The armistice				
The treaty of Versailles, 1919				
The diktat				
War guilt				
The terms of the treaty of Versailles				
Reckoners - the stab in the back				
The impact of the treaty on the Weimar republic				
The challenge of the left and right in the Weimar				
The challenge of the left and right outside the Weimar				
The Spartacist Revolt				

Student Examination Topic Revision Plan

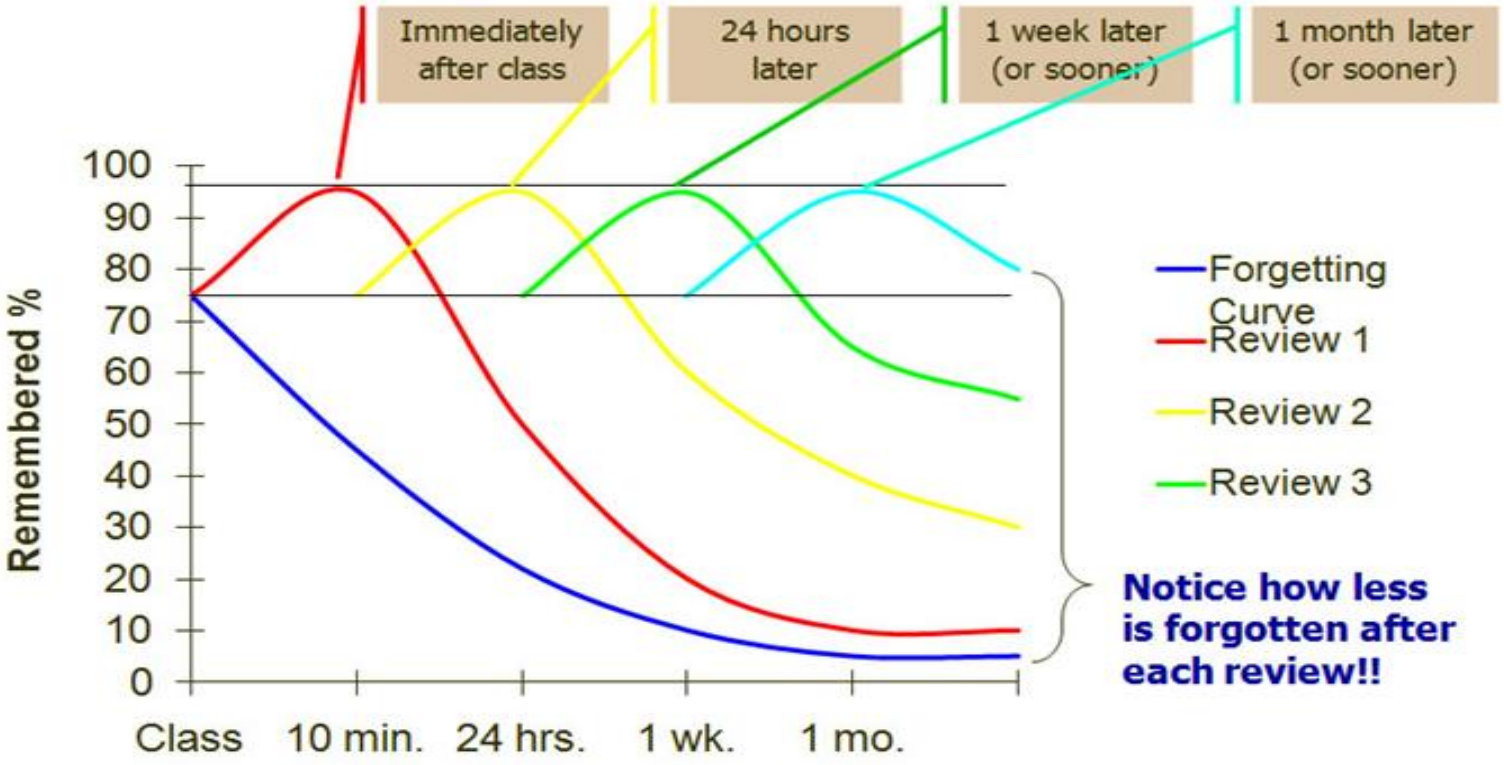
Student Name:	Subject:	Date:
Green Level <small>(Topics that I am confident with and understand. I usually answer questions in these areas correctly.)</small>	Amber Level <small>(Topics that I am not so confident with but can answer some questions in these areas correctly.)</small>	Red Level <small>(Topics that I still do not understand or struggle to answer but during examinations or assessments.)</small>
10% of my revision time Hours Per Week	30% of my revision time Hours Per Week	60% of my revision time Hours Per Week

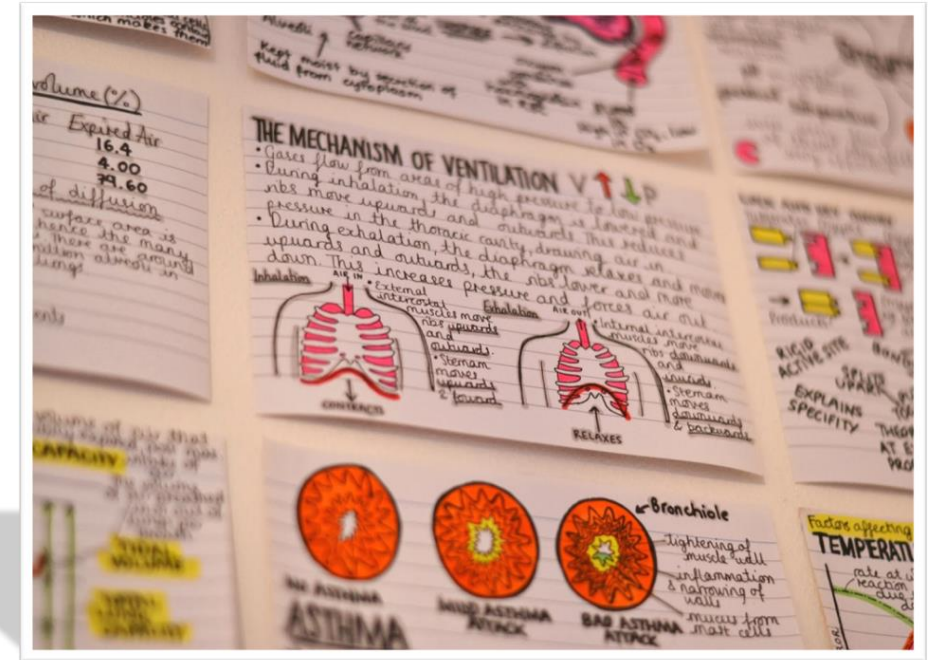
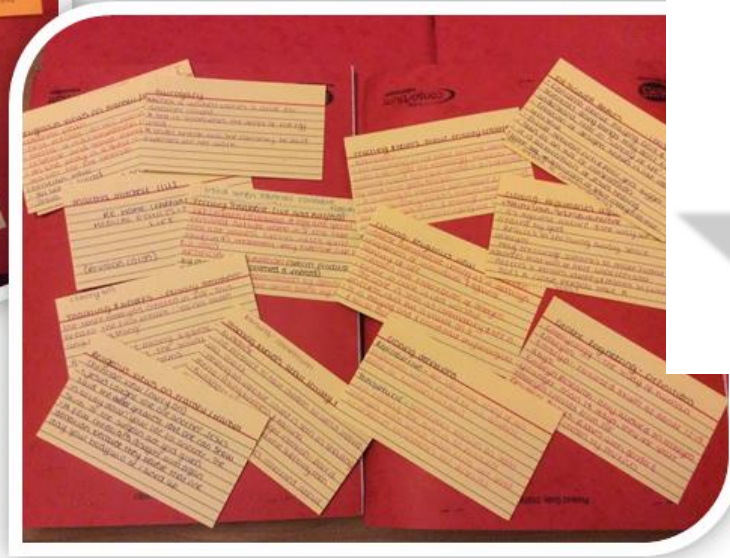


Traffic Lights

<h2>Transport in Cells</h2>	
<p>Describe the process of diffusion, including examples</p>	
<p>Explain how diffusion is affected by different factors</p>	
<p>Define and explain "surface area to volume ratio", and how this relates to single-celled and multicellular organisms (inc calculations)</p>	
<p>Explain how the effectiveness of an exchange surface can be increased, including examples of adaptations for small intestines, lungs, gills roots & leaves</p>	
<p>Describe the process of osmosis (inc calculation of water uptake & percentage gain and loss of mass of plant tissue)</p>	
<p><i>Required practical 3: investigate the effect of a range of concentrations of salt or sugar solutions on the mass of plant tissue</i></p>	
<p>Describe the process of active transport, including examples - gut and roots</p>	
<p>Explain the differences between diffusion, osmosis and active transport</p>	

Overcoming the Curve





Revision Cards

[A Short & Sweet Guide to the Leitner System | Goodnotes Blog](#)

PROGRESS



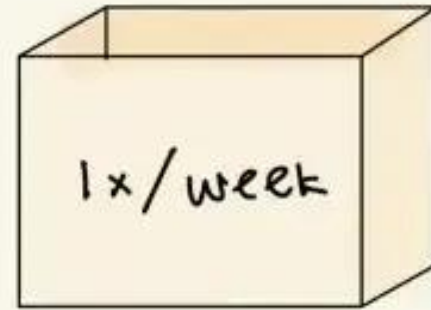
3x/week

HARD



2x/week

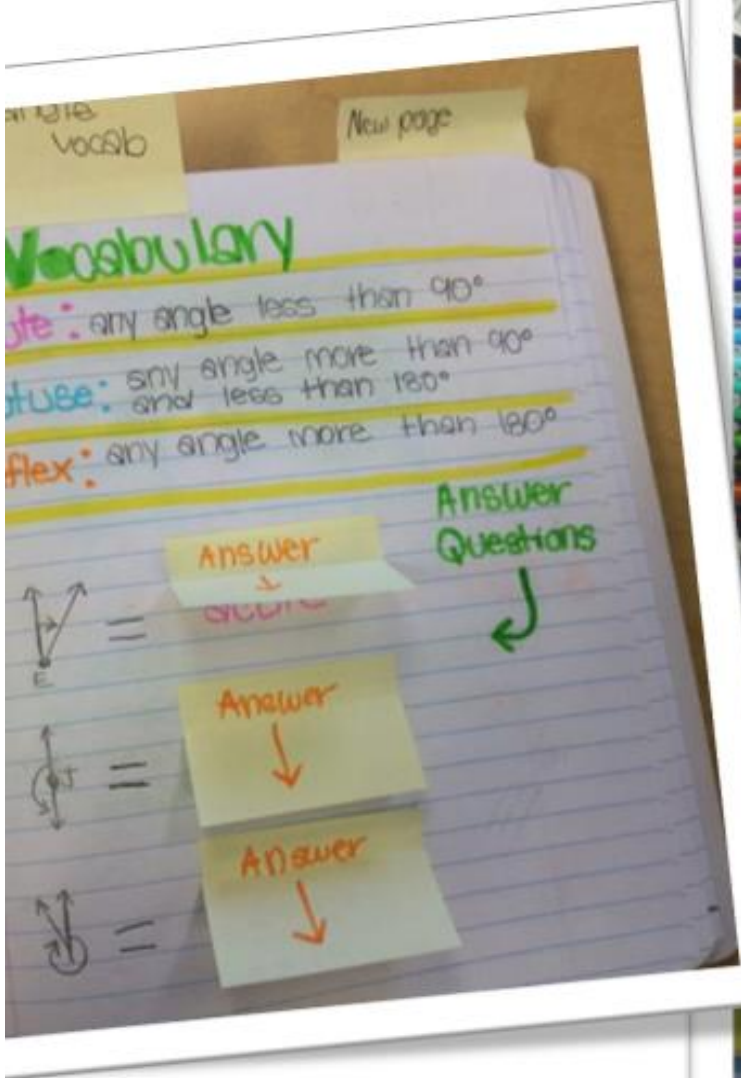
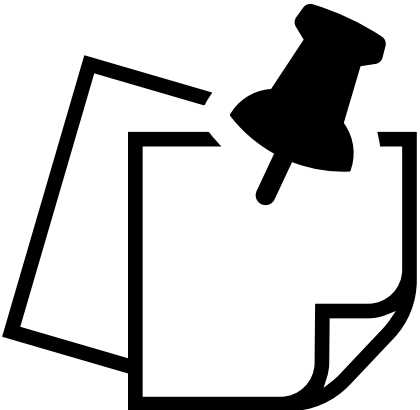
MEDIUM



1x/week

EASY

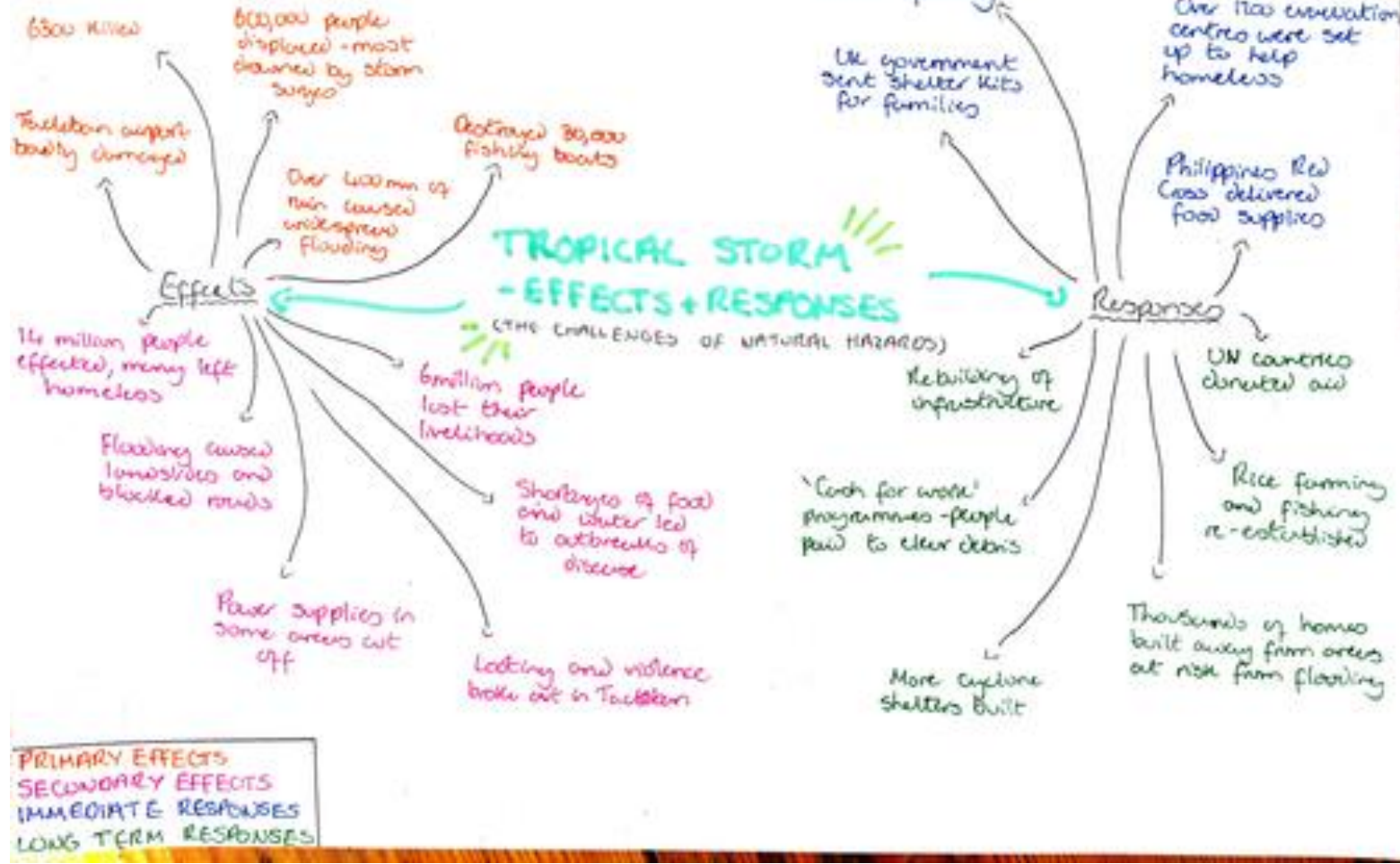
Post-it notes



TYPHOON HAIYAN, PHILIPPINES, ASIA

18th November 2013

Category 5 typhoon



Mind-maps

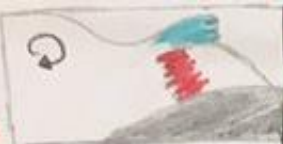
Waves

Destructive

- High \odot • 10-15 per minute.
- High frequency • ↑ Erosion
- Circular motion • ↑ fetch
- Weak Swash Strong BW

Constructive

- Low \odot • 9 per minute
- Low frequency • ↓ fetch
- Elliptical motion
- ↑ Swash ↓ Backwash



de 1 land farmers other
26 seafront homes 600
£80,000-£1.

Definitions.

Hydraulic action - The sheer force of the waves hitting the rocks and cliffs and getting

Attrition - Stones and rocks collide making them rounder.

Abrasion - Sediment and rocks hit the cliff face and break rocks.

Solution - Certain types of rocks dissolved by the acidity of the sea.



1) Lines of weakness erode through erosional processes

2) The lines of weakness get bigger and turn into a sea cave.

3) Deepens + widens on either side and creates an arch

4) Cliff collapse leaves an stack.

5) Eventually it'll become a stump

Headlands and Bays.



1) Headlands and bays are created by differential erosion.

- Sandstone and clay meet the coast at a

2) Sheltered bays are made by softer rock.

3) Sandstone juts out as it isn't eroded.

Wave-cut platforms and cliffs.

1) Cliffs usually form where there is hard and resistant rock

2) Undercutting erosion occurs

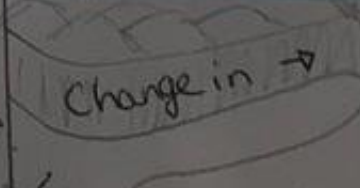
3) Cliff collapse.



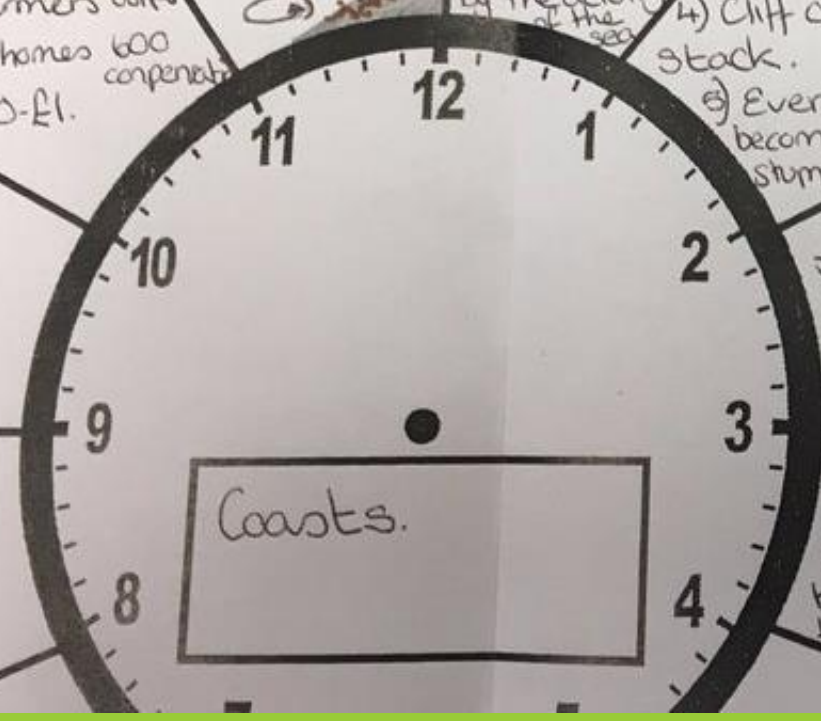
Longshore Drift

1) Prevailing wind directs wave to the beach at 30°. Sediment is brought forward by swash and then taken back by gravity at 90°

Spits and Bars.



Longshore drift brings sediment to the end of the coast but loses energy and deposits the



Cornell Notetaking Method

Cue Column

Notes Column

2.5 Inches

6 Inches

- Main Ideas
- Questions that connect points
- Diagrams
- Study prompts

When?
After class
During review

- Main lecture notes here
- Use concise sentences
- Use shorthand symbols
- Use abbreviations
- Use lists
- Put space between points

When?
During class

Summary Column

- For top level, main ideas
- Use as a quick reference area

When?
After class
During review

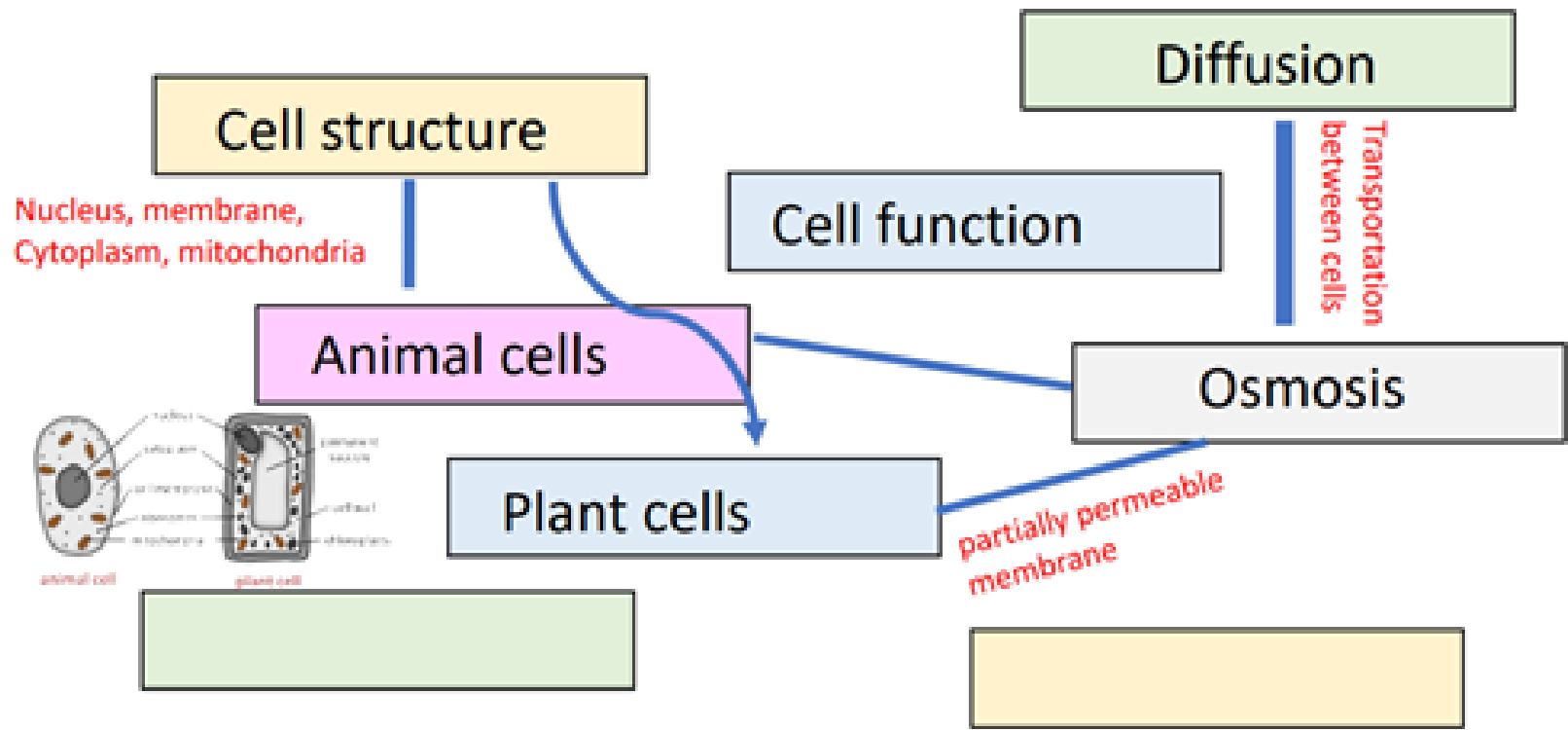
2"

Cornell notes and Re-visit templates

<https://www.youtube.com/watch?v=ErSjc1PEGKE>



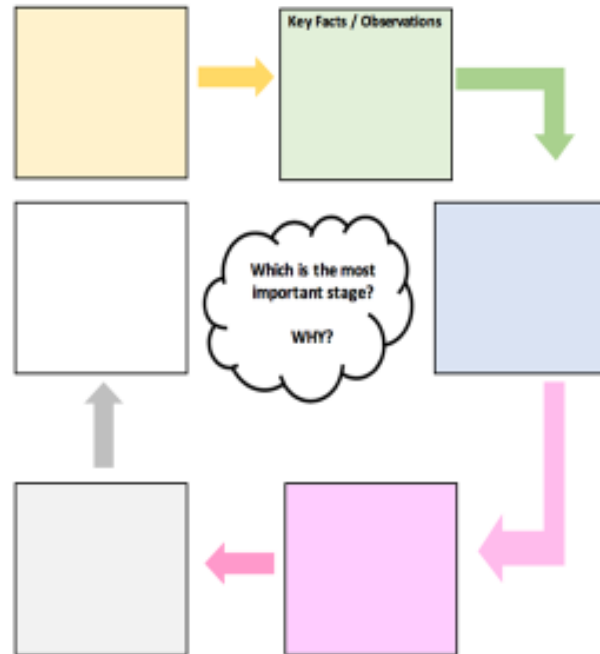
Title **Cell biology**





PIXL Revisit: Process and Categorise Steps and stages explained

Unit / Topic:



PIXL Revisit: Ranking Triangle

Name of Topic: _____

Name: _____

Class: _____

The most important information goes at the top and then the least important at the bottom. Make sure you justify WHY you think it the most/least important.



Break up an hour...



Select

- Select a topic or exam question theme. 5 minutes

Identify

- Identify key vocabulary – 5 minutes

Create

- Create some notes, revision card, revision clock on these themes. 15 minutes

Watch

- Watch a GCSEpod / video revision clip – 10- minutes

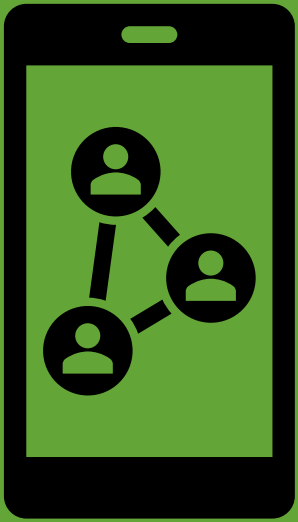
Take

- Take a short break – 10 minutes

Practice

- Practice a relevant exam question on this topic. – 15 – 20 minutes.

Online Revision Resources



GCSEpod

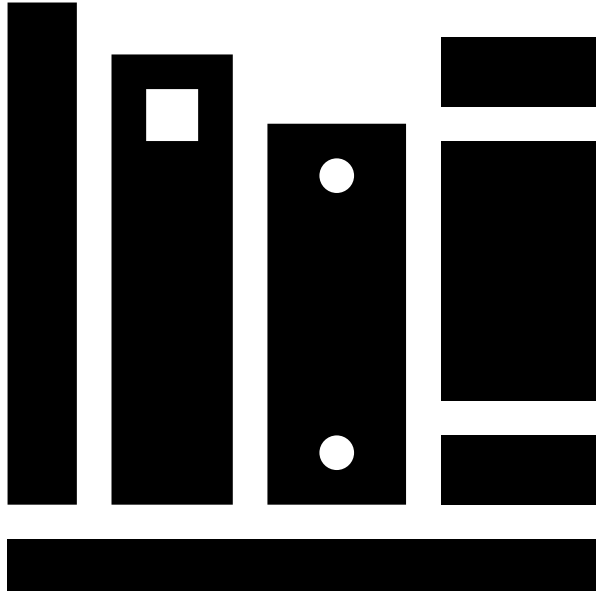
My Study
plan (App)

Cognito

BBC
Bitesize

Quizlet

Seneca
Learning



Revising English

GCSE English Literature and GCSE English Language

GCSE English Literature

- Two papers
- All 4 set texts plus unseen poetry

GCSE English Language

- Two papers
- Both with Reading and Writing sections

GCSE English Language and Literature

No tier of entry

Every student sits the same exam

Students prepare for **two** qualifications:

GCSE English Literature

GCSE English Language

Spoken Language endorsement- does not count towards 'grade', but is shown on certificate as Pass, Merit or Distinction

What do I need?



A copy of the set texts- TAHS online shop-



Year 10:

Romeo and Juliet
An Inspector Calls
Anthology (provided in Year 9)



Year 11:

A Christmas Carol



Patience, consistency and determination.



Highlighters – ideally 3 different colours for the different Language question focuses.



Revision Guides (CGP) will be available from the online shop.

How do we prepare students in English?



Read texts in class/ set for homework



Supported with activities



Build skills for Language and Literature



Assessed 'like the GCSE'



SWaNS- focused feedback for improvement

How we 'read' and 'analyse' in English

What is a writer saying?

How do they get their point across?

Why did they make that choice? What do they want us to feel or think?

0 2

Look in detail at this extract from **lines 8 to 18** of the Source:

The wind came in gusts, at times shaking the coach as it travelled round the bend of the road, and in the exposed places on the high ground it blew with such force that the whole body of the coach trembled and swayed, rocking between the high wheels like a drunken man.

The driver, muffled in a greatcoat to his ears, bent almost double in his seat in a faint attempt to gain shelter from his own shoulders, while the dispirited horses plodded sullenly to his command, too broken by the wind and the rain to feel the whip that now and again cracked above their heads, while it swung between the numb fingers of the driver.

The wheels of the coach creaked and groaned as they sank into the ruts on the road, and sometimes they flung up the soft spattered mud against the windows, where it mingled with the constant driving rain, and whatever view there might have been of the countryside was hopelessly obscured.

How does the writer use language here to describe the effects of the weather?

You could include the writer's choice of:

- words and phrases
- language features and techniques
- sentence forms.

[8 marks]

Shorter responses

Romeo and Juliet

Read the following extract from Act 1 Scene 2 of *Romeo and Juliet* and then answer the question that follows.

At this point in the play Lord Capulet and Paris are discussing Juliet.

PARIS

But now, my lord, what say you to my suit?

CAPULET

But saying o'er what I have said before:
My child is yet a stranger in the world,
She hath not seen the change of fourteen years;
Let two more summers wither in their pride,
Ere we may think her ripe to be a bride.

5

PARIS

Younger than she are happy mothers made.

CAPULET

And too soon marred are those so early made.
The earth hath swallowed all my hopes but she;
She's the hopeful lady of my earth.
But woo her, gentle Paris, get her heart,
My will to her consent is but a part;
And she agreed, within her scope of choice
Lies my consent and fair according voice.

10

0 2

Starting with this conversation, explain how far you think Shakespeare presents Lord Capulet as a good father.

Write about:

- how Shakespeare presents Lord Capulet in this extract
- how Shakespeare presents Lord Capulet in the play as a whole.

[30 marks]
AO4 [4 marks]

Longer essay style responses

How can my child revise for English?

Students need to read regularly

- 20 minutes three times a week
- Fiction or non-fiction – the wider range the better
- Actively build vocabulary

How can you help?

- Help them choose their reading books, especially if they have a narrow genre-based preference
- Listen to them read
- Read to them and with them
- Discuss what they're reading and discuss newspaper articles/contemporary events and issue with them
- Talk about and introduce them to new vocabulary
- Ask them how the writer gets their opinion across

Get them to write
'notes without notes'

Time your child to
complete a
practice question

Write and answer their
own questions

Get them to 'teach'
you, but have their
notes and highlight
everything they say

Complete test papers
and parents read over
them

Use the internet
to create notes

TIP 2: Self test on the set texts

TIP 3: Do It Properly

**Start with the
hard stuff**

Vary your method

**Build up your
stamina**

**A revision guide
alone isn't revising**

**Read difficult texts
– really read them!**

Vary your texts

**Take away
distractions**

where some... motions th
place of sit
ng takes pl
the main character within a text (protog
the villain, or malignant force (antagonist)
a verse of a poem (stanza)
a collection of ser
a poem with no d
a stanza with 4 l
words that have
the movement o
a story (narrati

85 Why is a
86 Describe
87 What is a s
88 What is the Big Bang Theory?
89 What is ionic bonding?
90 What is covalent bonding?
91 What is a hydrocarbon?
What is a polymer?
What element is pres
Why are metals goo
What is the boiling p
What element is pres
98 What is a producer?
99 What is the gestation pe
100 What is the equation for
What is a hormone?

Trigonomet

SOHCA

$\sin(\theta) = \frac{\text{opposite}}{\text{hypotenuse}}$

$\cos(\theta) = \frac{\text{adjacent}}{\text{hypotenuse}}$

Useful websites

Useful Websites

BBC Bitesize GCSE English Language

<http://www.bbc.co.uk/education/subjects/zr9d7ty>

BBC Bitesize GCSE English Literature

http://www.bbc.co.uk/schools/gcsebitesize/english_literature/

Youtube: Search for any “Mr Bruff” videos

GCSE POD

What can English revision look like?

Just reading things does not work

You have to 'fix' the information by writing it down.

Take a longer piece of writing and highlight key points

Make short notes based on your key points

Then paraphrase trying to make it shorter

Until you get to key words

Parents can ask students to:

- List the key words on a topic
- Explain the key words on the topic
- Explain the full answer with you using the key words as bingo cards
- Teach you about a topic

Exam question

In some countries an increasing number of people are suffering from health problems as a result of eating too much fast food. It is therefore necessary to impose a higher tax on this kind of food.

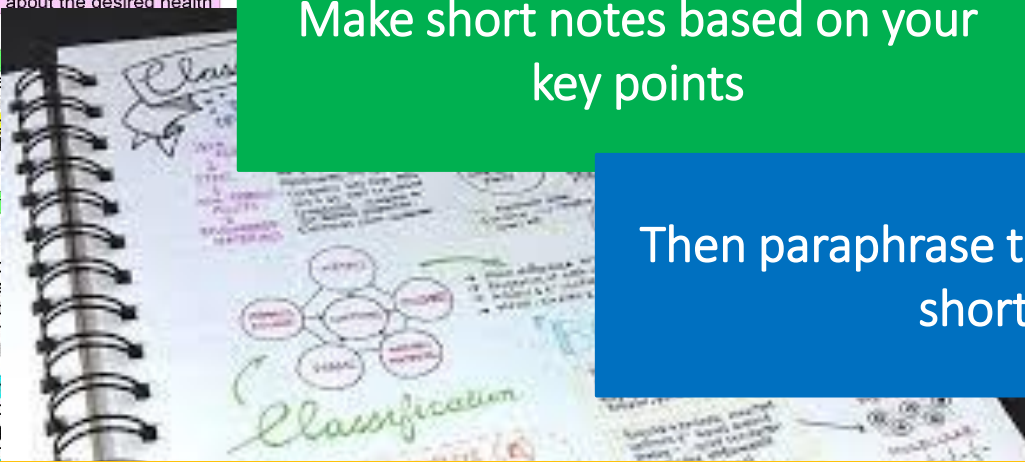
To what extent do you agree or disagree?

Nowadays, more and more people are affected by diabetes and heart disease which are linked to mass-produced food. Some people believe that fast food is less affordable by taxing it highly. Despite the severity of the problem, I think this is quite wrong. Increasing the tax on fast food would unfairly penalise people and may not necessarily bring about the desired health benefits.

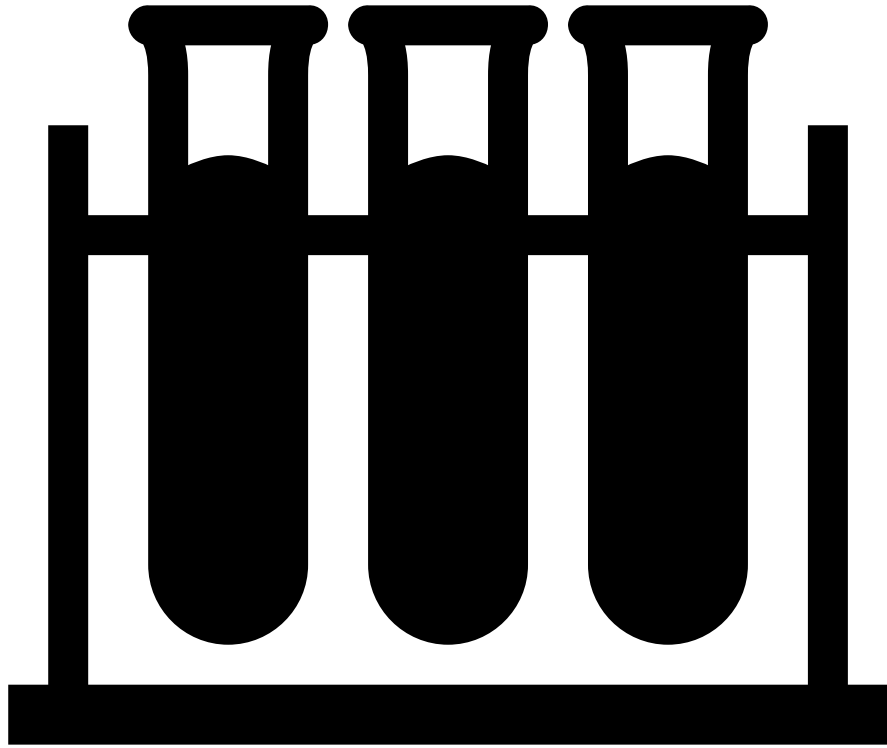
First, fast food is about more than just nutrition. People eat fast food not because they need to eat quickly, but because they need to eat how they socialise. Fast-food restaurants provide a place for young people to meet friends. For another reason, fast food can provide an inexpensive treat for people who do not have a small pleasure in life could affect their social life.

Another important point is that if the reason for obesity is lack of exercise, it may be ineffective. It is true that fast food is high in fat and calories, all of which cause weight gain and are linked to obesity. However, we also know that there are other factors that increase the risk of obesity, such as lack of exercise and inactivity. While home-cooked food is generally healthy, I personally know a family that used to eat high-calorie portions. They all suffered from health problems.

On the other hand, I do understand the point of a drastic action is needed. If fast food were taxed more, people would be forced to seek out healthier options. Producers would have an incentive to provide healthier options.



Tip 1: Make notes on notes



Revising Science

AQA Biology, Chemistry and Physics (Students in Sets 1 and 2)

Higher Tier – grades 9-4

Foundation Tier – grades 5-1

2 exams in each subject, covering different topics

GCSE Biology:

Paper 1: Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.

Paper 2: Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

GCSE Chemistry:

Paper 1: Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

Paper 2: Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

GCSE Physics:

Paper 1: Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.

Paper 2: Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy and Electricity.

AQA Combined Science (Trilogy) (Students in Sets 3, 4 and 5)

Higher Tier – grades 9-4

Foundation Tier – grades 5-1

2 exams in each subject (6 in total), covering different topics

Combined Science Biology:

Paper 1: Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.

Paper 2: Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

Combined Science Chemistry:

Paper 1: Chemistry topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.

Paper 2: Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.

Combined Science Physics:

Paper 1: Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.

Paper 2: Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism.

Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy and Electricity.

What do I need?

Revision guide
– order
through school

2 Black Pens

Pencil

Ruler

Protractor

Rubber

Scientific
calculator

Word equation	Symbol equation
weight = mass × gravitational field strength	$W = mg$
force applied to a spring = spring constant × extension	$F = ke$
acceleration = $\frac{\text{change in velocity}}{\text{time taken}}$	$a = \frac{\Delta v}{t}$
H momentum = mass × velocity	$p = mv$
gravitational potential energy = mass × gravitational field strength × height	$E_p = mgh$
power = $\frac{\text{work done}}{\text{time}}$	$P = \frac{W}{t}$
efficiency = useful power output ÷ total power input	
charge flow = current × time	$Q = It$
power = potential difference × current	$P = VI$
energy transferred = power × time	$E = Pt$
density = $\frac{\text{mass}}{\text{volume}}$	$\rho = \frac{m}{V}$
work done = force × distance (along the line of action of the force)	$W = Fs$
distance travelled = speed × time	$s = vt$
resultant force = mass × acceleration	$F = ma$
kinetic energy = $0.5 \times \text{mass} \times (\text{speed})^2$	$E_k = \frac{1}{2}mv^2$
power = $\frac{\text{energy transferred}}{\text{time}}$	$P = \frac{E}{t}$
efficiency = $\frac{\text{useful output energy transfer}}{\text{total input energy transfer}}$	

wave speed = frequency × wavelength	$v = f\lambda$
potential difference = current × resistance	$V = IR$
power = current ² × resistance	$P = I^2R$
energy transferred = charge flow × potential difference	$E = QV$

GCSE Physics only

pressure = $\frac{\text{force normal to a surface}}{\text{area of that surface}}$	$p = \frac{F}{A}$
moment of a force = force × distance (normal to direction of force)	$M = Fd$

23 Equations

0 4 . 2

Write down the equation which links density (ρ), mass (m) and volume (V).

[1 mark]

0 4 . 3

The mass of the apple was 85 g.

The density of the apple was 0.68 g/cm^3 .

Calculate the volume of the apple.

Give your answer in cm^3 .

[3 marks]

1	<p style="text-align: center;">pressure due to a column of liquid = height of column × density of liquid × gravitational field strength (g)</p>	$p = h \rho g$
2	$(\text{final velocity})^2 - (\text{initial velocity})^2 = 2 \times \text{acceleration} \times \text{distance}$	$v^2 - u^2 = 2 a s$
3	<p style="text-align: center;">force = $\frac{\text{change in momentum}}{\text{time taken}}$</p>	$F = \frac{m \Delta v}{\Delta t}$
4	elastic potential energy = 0.5 × spring constant × (extension) ²	$E_e = \frac{1}{2} k e^2$
5	change in thermal energy = mass × specific heat capacity × temperature change	$\Delta E = m c \Delta \theta$
6	<p style="text-align: center;">period = $\frac{1}{\text{frequency}}$</p>	
7	<p style="text-align: center;">magnification = $\frac{\text{image height}}{\text{object height}}$</p>	
8	<p style="text-align: center;">force on a conductor (at right angles to a magnetic field) carrying a current = magnetic flux density × current × length</p>	$F = B I l$
9	thermal energy for a change of state = mass × specific latent heat	$E = m L$
10	<p style="text-align: center;">$\frac{\text{potential difference across primary coil}}{\text{potential difference across secondary coil}} = \frac{\text{number of turns in primary coil}}{\text{number of turns in secondary coil}}$</p>	$\frac{V_p}{V_s} = \frac{n_p}{n_s}$
11	<p style="text-align: center;">potential difference across primary coil × current in primary coil = potential difference across secondary coil × current in secondary coil</p>	$V_p I_p = V_s I_s$
12	For gases: pressure × volume = constant	$p V = \text{constant}$

How to revise

1. Read/Watch and do something with the information (summary notes, flashcards, quick summary questions).
2. Practise applying your understanding (questions, questions and more questions)
3. Revisit the learning (next day, 3 days, 2 weeks)
4. Develop exam technique by working through exam questions from Cognito or the AQA website.



Cognito

B

Biology

Change subject



Lessons

Quiz **Pro**

Flashcards **Pro**

Past Exam Papers

Exam Qs by topic

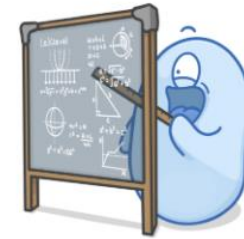
Biology Lessons

GCSE Biology - AQA Higher Triple

Resume Latest Lesson

Upgrade to Pro to resume latest lesson

Try 'non-coding DNA'



0%
Correct

0%
Incorrect

100%
Not done

Contents

Topic 1 - Cell Biology

Topic 2 - Organisation

Topic 3 - Infection and Response

Topic 4 - Bioenergetics

Topic 5 - Homeostasis and Response

Topic 6 - Inheritance, Variation and Evolution

Topic 7 - Ecology



Biology

Change subject



Lessons

Quiz **Pro**

Flashcards **Pro**

Past Exam Papers

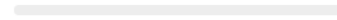
Exam Qs by topic

Topic 1 - Cell Biology

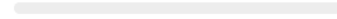
1.1 - Cell Structure



1.2 - Kingdoms of Life



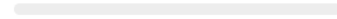
1.3 - Microscopy - What it is



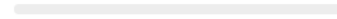
1.4 - Microscopy - Light vs Electron Microscop...



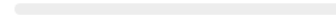
1.5 - Microscopy - Units of conversion



1.6 - Microscopy - Calculations



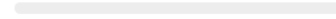
1.7 - Mitosis



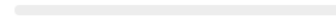
1.8 - Binary Fission



1.9 - Stem Cells



1.10 - Specialised Cells & Differentiation



1.11 - Stem Cells in Medicine



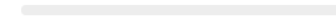
1.12 - Diffusion



1.13 - Osmosis



1.14 - Active Transport



1.15 - Surface Area to Volume Ratio

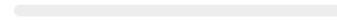


1.16 - Specialised Exchange Surfaces



Topic 2 - Organisation

2.1 - Cell organisation, tissues, organs etc



2.2 - What are enzymes

2.7 - Lungs & Gas Exchange



2.8 - Circulatory System 1 - Heart

2.13 - Balanced Diet



2.14 - Risk factors for Non-Communicable Di





Biology

Change subject



Lessons

Quiz **Pro**

Flashcards **Pro**

Past Exam Papers

Exam Qs by topic

Topic 1 - Cell Biology

	Not viewed	Started	Completed		
Cell Division 1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Cell Division 2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Cell Division 3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Cell Structure 1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Cell Structure 2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Cell Structure 3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Transport in Cells 1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Transport in Cells 2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme
Transport in Cells 3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Paper	Mark Scheme

Topic 2 - Organisation

Not viewed Started Completed

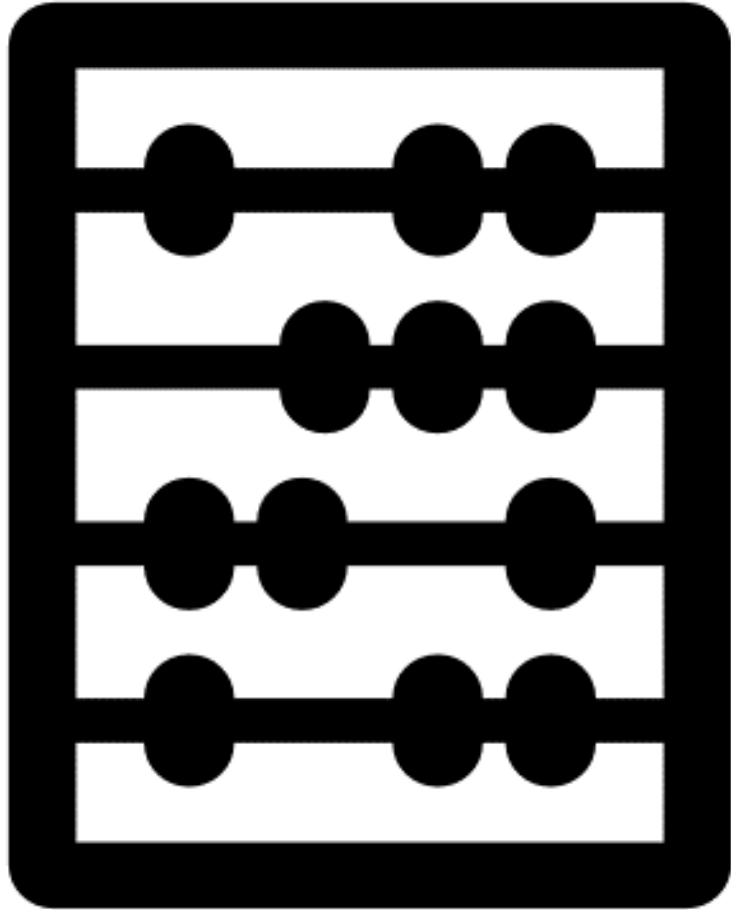


Useful Websites

<https://cognitoedu.org/home.html>

<https://www.aqa.org.uk/subjects/science/gcse>

www.GCSEpod.com



Revising Maths

AQA Mathematics 8300

Higher Tier – grades 9-4

Foundation Tier – grades 5-1

3 exams:

Paper 1 is a non-calculator paper

Paper 2 and 3 are both calculator papers



Any topic could come up on any paper



A mix of question styles including single mark questions, multi-step problems and multiple-choice questions



The questions get more difficult as you work through the papers

GCSE Mathematics

What do I need?

Formula sheet – you need to learn these

Revision guide – order through school

2 Black Pens

Pencil

Ruler

Compass

Protractor

Rubber

Scientific calculators £8.50 **

Maths sets £1.20 **

** available to buy from the TAHS Online Shop

How do we prepare students in maths?

Model answers in class

Regular recapping of previous work

Regular homework

Half termly assessments throughout the GCSE course - these are past or practice exam papers.

SWANS – focused feedback for improvement

Types of Questions

A01 – Use and apply standard techniques (40%)

A02 – Reason, interpret and communicate mathematically (30%)

A03 – Solve problems within mathematics and in other contexts (30%)

Communicate mathematically

01

Show all workings
(even if really easy)

02

Set out clearly

03

Write a final sentence
for your answer

04

For geometry
questions - all used
rules must be stated in
the correct
mathematical
language

Circle the equation of a line that is parallel to $y = 5x - 2$

[1 mark]

$$y = 2x - 5$$

$$y = 5x + 2$$

$$y = 3x - 2$$

$$y = -\frac{1}{5}x - 2$$

Foundation / Higher Question – A01

19 Toilet rolls come in packs of 4 and 9



£1.89



£3.99

Which pack is better value?
You **must** show your working.

[3 marks]

Foundation Question – A02

11

Tomas ran a Lucky Dip stall.



There were 750 tickets, numbered 1 to 750

Tomas sold **all** the winning tickets, and **some** of the losing tickets.

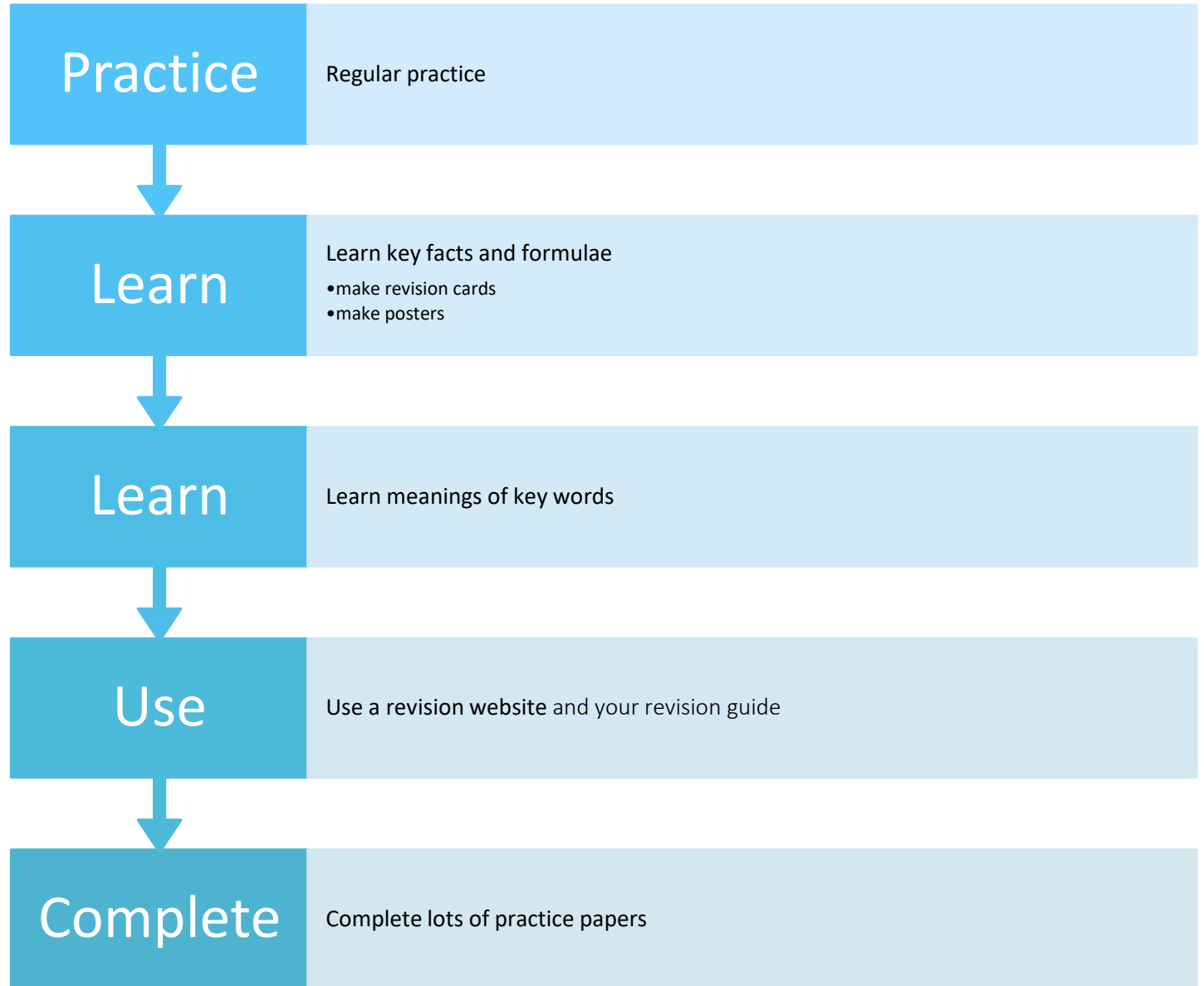
He made a profit of £163

How many **losing** tickets did he sell?

[6 marks]

Higher Question – A03

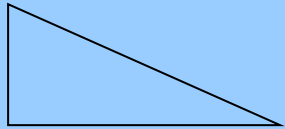
How to Revise Maths



Area



$$= \text{length} \times \text{width}$$



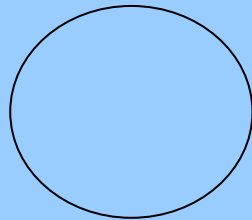
$$= \text{base} \times \text{height} \div 2$$



$$= \text{length} \times \text{height}$$



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



$$= \pi r^2$$

Key Facts

SOH CAH TOA

BIDMAS

$$a + a + a = 3a \quad \text{but} \quad a \times a \times a = a^3$$

Calculator buttons

square x^2 , cube x^3

square root $\sqrt{\quad}$, cube root $\sqrt[3]{\quad}$

powers 

Fractions 

Key Words

integer - whole number

evaluate - work out - get a number answer

construct - use a compass and ruler

factorise - put brackets in

estimate - round each number to 1 significant figure before doing the calculation

Useful Websites

<https://www.mathsgenie.co.uk/>



www.corbettmaths.com/5-a-day/gcse/

www.GCSEpod.com

[Expressive Arts](#)[Extra Curricular](#)[Geography](#)[History](#)[Mathematics](#)[Modern Foreign Languages](#)[Music](#)[Physical Education](#)[Religious Education](#)[Science](#)[Social & Health](#)

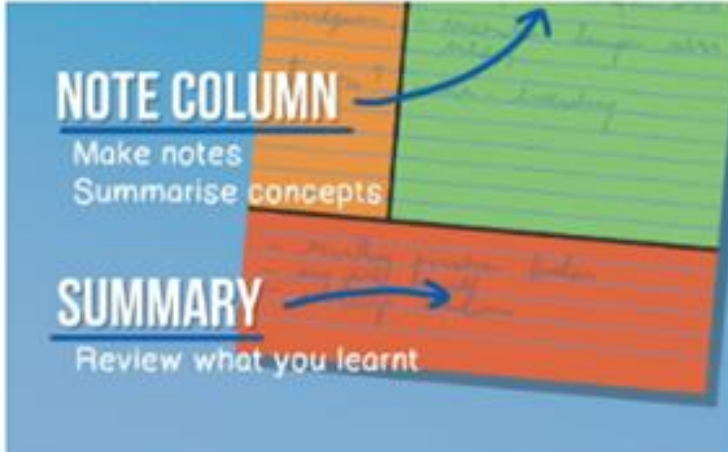
STOP PROCRASTINATING
Schedule the revision of harder topics for the morning when you will be most awake. This stops you using tiredness as an excuse for leaving the harder topics until the next day.

MANAGE YOUR TIME
Break your revision down and give yourself a certain amount of content to learn each day.

NOTE COLUMN
Make notes
Summarise concepts




SUMMARY
Review what you learnt



Cornell Notes Template	Click here
Revision Evening	Click here
Revision Guide	Click here
Revision Clock	Click here
Dual Coding	Click here
Year 11 Revision Evening 21 Oct 2021	Click here
English Literature GCSE Romeo & Juliet (Know It)	Click here
English Literature GCSE	Click here

USING FLASHCARDS TO REVISE
by @limer_drive | www.limerdrive.co.uk

- Split a box into 5 different compartments and label them 1 to 5.
- Place all your flashcards in compartment 1.
- Test yourself on a flashcard
- If you can correctly recall the information move the flashcard into compartment 2, if not then put it back in compartment 1.

What next?

Y11 revision support as part of the tutor programme

Revision interventions run by departments, lunchtime, after school, holidays and weekends.

Revision materials on TAHS website.

Y11 SEND Revision Evening Thursday 26th October 5pm

Trial Exams start Monday 4th November 2024

Summer Exam Session starts Monday 5th May 2025

[Parent Resources – GCSEPod](#)

[How Parents Can Help Improve Grades \(innerdrive.co.uk\)](http://innerdrive.co.uk)

Revision starts now



BELIEF



PREPARATION



HARD WORK



SUPPORT



Year 11 Revision Evening

Thursday

19th September 2024

SUPPORT FOR REVISION – ENGLISH, MATHS AND SCIENCE

