

It's a marathon, not a sprint...



Programme – Year 11 Evening Wednesday 11 September 2019 5.30pm-6.30pm

- 1. Introduction
- 2. Science Preparation
- 3. English Preparation
- 4. Maths Preparation
 - 5. How to revise...
- 6. What else are we doing?
- 7. Links to sports coaching.
 - 8. Staying healthy.
 - 9. Other ideas to help.
 - 10. A little film to finish...





What have we learned?

- GCSEs are a marathon, not a sprint.
- Long-term learning works better.
- Students need 'exam stamina'.
- Students need to face their fears and train for the hardest questions and long periods of working (reading and writing) to make the real thing feel easier.
- Reading, and reading fast, matters.
- Whenever you get an exam or a piece of work back, give 3 excuses for why you didn't get the next grade up, then

plan how you will tackle them.



GCSE SCIENCE

Miss Marsh Curriculum Area Leader

Mr Ward
Deputy CAL and KS4 Coordinator
(Acting CAL from October 2019)

Two Routes

 AQA GCSE Combined Science: Trilogy (sets 2-7)

 AQA GCSE Separate Sciences: Biology, Chemistry, Physics (set 1 only)

Combined Science: Trilogy

Biology Paper 1

- Cell biology
- Organisation
- Infection and response
- Bioenergetics

Biology Paper 2

- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

Chemistry Paper 1

- Atomic structure and the periodic table
- Bonding, structure and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes

Chemistry Paper 2

- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

Physics Paper 1

- Energy
- Electricity
- Particle model of matter
- Atomic structure

Physics Paper 2

- Forces
- Waves
- Magnetism and electromagnetism

Required Practicals

- Students will complete 21 required practicals during lessons
- Skills developed during the required practicals will be assessed across all papers

Total of six papers: two biology, two chemistry and two physics. Each paper lasts 1 hour 15 minutes

Each paper is worth 16.7% of the GCSE

Separate Sciences – Biology

Paper 1

- Cell biology
- Organisation
- Infection and response
- Bioenergetics

Paper 2

- Homeostasis and response
- Inheritance, variation and evolution
- Ecology
- Key ideas

Required practicals

- Students will complete 10 required practicals during lessons
- Skills developed during the required practicals will be assessed across all papers

Two papers:

Each paper is worth 50% of the GCSE Each paper lasts 1 hour 45 minutes

Separate Sciences – Chemistry

Paper 1

- Atomic structure and the periodic table
- Bonding, structure and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes

Paper 2

- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

Required practicals

- Students will complete 8 required practicals during lessons
- Skills developed during the required practicals will be assessed across all papers

Two papers:

Each paper is worth 50% of the GCSE Each paper lasts 1 hour 45 minutes

Separate Sciences – Physics

Paper 1

- Energy
- Electricity
- Particle model of matter
- Atomic structure

Paper 2

- Forces
- Waves
- Magnetism and electromagnetism
- Space Physics

Required practicals

- Students will complete 10 required practicals during lessons
- Skills developed during the required practicals will be assessed across all papers

Two papers:

Each paper is worth 50% of the GCSE Each paper lasts 1 hour 45 minutes

NEW GCSE (9-1), (9-9 to 1-1)

SCIENCE GRADING

BIOLOGY, CHEMISTRY, PHYSICS	COMBINED SCIENCE
9	9-9
	9-8
8	8-8
	8-7
7	7-7
	7-6
6	6-6
	6-5
5	5-5
	5-4
4	4-4
	4-3
3	3-3
	3-2
2	2-2
	2-1
1	1-1
U	U

Needed for A Level Sciences

Counts as two 4s for sixth form entry; Needed for Level 3 Applied Science

Counts as no 4s for sixth form entry

PPE Exam dates - 2019/2020

Combined Science: Trilogy (sets 2-7)

- November Biology 1 and Physics 1
- 9th December Chemistry 1
- February/March Biology 2 and Physics 2
- 30th March Chemistry 2

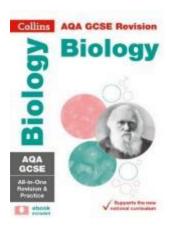
Separate Sciences (set 1)

- November Biology 1, Chemistry 1 and Physics 1
- February/March Biology 2, Chemistry 2 and Physics 2

Revision Guides

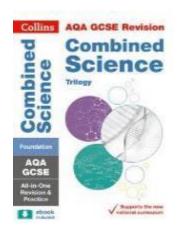
- The school shop sells revision guides.
- These can also be purchased on Parent Pay from next week.

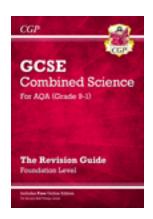
Separate Science





Combined Science





£3.99 each

£9

£5.60

Revision Support

- Revision sessions after school every Monday
- Weekly fact recall questions in lessons (booklet with questions and answers is on Firefly)
- Revision resources on Firefly

				Care for	K.E.W.C.
		229	18	How many electrons does calcium have?	20 (same as atomic number!)
ions			105	Explain why methane has a low melting point	It is a simple molecular substance with weak forces between the molecules (which are easy to break)
Interleaved Questions			162	How do you measure pH?	With an indicator or pH probe.
	1	3	1	Define an atom	The smallest part of an element that can still be recognised as that element
Questions			2	Define element	A substance made of only one type of atom
Topic			3	Define compound	A substance made of two or more different atoms chemically bonded together



SCIENCE FACT RECALL Sept -Oct

Monday 16th September Cells – Bio Chapter 1, Questions 1 – 21

Monday 23rd September

Transport and digestion – Bio Chapter 1, Questions 22 – 33 and Chapter 2 Questions 1-11

Monday 30th September

Infectious disease + transport measures - Bio Chapter 2, Questions 12 – 34 and Chapter 3, Questions 1-11

Monday 7th October

Treating disease + respiration + photosynthesis – Bio Chapter 3, Questions 12 – 18 and Chapter 4, Questions 1-13

Monday 14th October Energy – Phys Chapter 1, Questions 1 – 28

Monday 28th October

Electrical current – Phys Chapter 2, Questions 1 – 19



JACK HUNT
SCIENCE GCSE FACT
RECALL QUESTIONS



You'll find the booklet on firefly...

Other Revision Resources

Click on the images below to go to the website:



Example Login details:
Username: JoeBloggs15
Password: jackhunt







Tips for Success

Encourage your child:

- To work hard in lessons and ask for help when needed,
- To attend Monday revision sessions,
- To practice exam questions,
- To learn the fact recall questions ready for the weekly tests,
- To complete tasks on Doddle,
- To use Seneca Learning



MATHS @ JACK HUNT

KEY EXAM DATES:

PAPER 1 (NON CALCULATOR) - TUESDAY 19TH MAY AM
PAPER 2 (CALCULATOR) - THURSDAY 4TH JUNE AM
PAPER 3 (CALCULATOR) - MONDAY 8TH JUNE AM

SATURDAY/EVENING SCHOOLS

Saturday schools will run in the build up to each PPE and the external exams.

NOVEMBER PPE

FEBRUARY/MARCH PPE

ALL DATES TO BE CONFIRMED

MAY/JUNE



MATHS @ JACK HUNT

TOPIC AREA	FOUNDATION	HIGHER
Number	25%	15%
Algebra	20%	30%
Ratio	25%	20%
Geometry	15%	20%
Probability and Stats	15%	15%

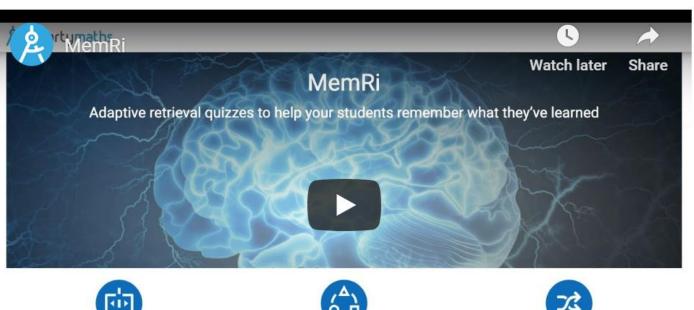


MATHS @ JACK HUNT

ASSESSMENT OBJECTIVE	FOUNDATION	HIGHER
AO1 Use and apply standard techniques	50%	40%
AO2 Reason, interpret and communicate mathematically	25%	30%
AO3 Solve problems within different contexts	25%	30%



Watch the video to find out more





Questions are repeated at timed intervals so skills move to long-term memory



Variation

Questions are presented differently each time to strengthen memory retrieval



Interleaving

Quizzes are made up of questions from different topics to practise different skills

& hegartymaths

10 things a student should do when completing HegartyMaths homework

	L	Student checklist for good HegartyMaths homework	1
1	1	I always write the date, title, clip number and H/W for all my tasks.	√ or)
L	2	I always watch the video before attempting the questions.	
	3	I always take full notes of all the examples modelled in the video.	
4	4	I copy every question that I attempt in my book.	
5	1	show all my workings for every question in the quiz that I do.	
6	1	try to model my work the way I was shown in the video by Mr Hegarty.	
7	1	use a pencil and ruler for all diagrams.	
3	11	nark my work correct/incorrect as I go.	
		rrite down corrections when HegartyMaths tells me the correct answer.	
1	w	rite down my score at the end of quiz.	

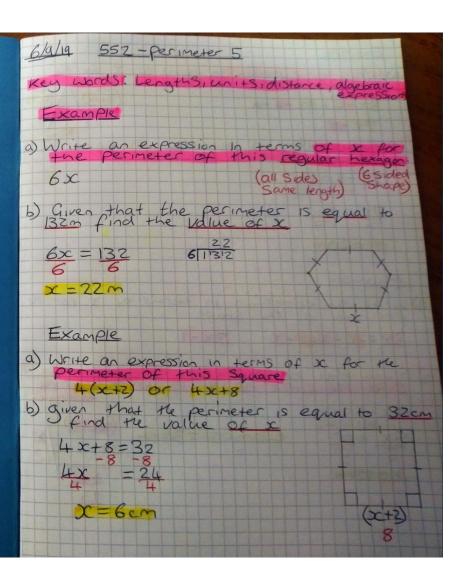
Teacher Feedback

E	Effort
0	Outstanding
G	Good
R	Requires Improvement
1	Inadequate

Pres	entation
1	Outstanding
2	Good
3	Requires Improvement

5 things you should do when you want to do extra work

L	Action	
1	I go back to my donut and pick lessons that are red (<70%) to redo them to make them amber (>70%) or green (100%).	√ or ×
2	I go back to my donut and pick lessons that are amber (>70%) to redo them to make them green (100%).	
3	When working on lessons that are red or amber and I cannot make them 100%, I rewatch the video and look at the building blocks which may help me.	
	I complete a Fix-Up-5 where HegartyMaths gives me 5 practice questions on parts of maths that I might be weak on.	
1 11	my teacher has given me a revision list of clips on HegartyMaths, then I pick topic on that list and complete a homework the normal way by myself.	



English Language and English Literature

Mr Ward- CAL English

English Qualifications

AQA English Language 8700 AQA English Literature 8702

All students will be entered for both qualifications and everyone sits the same paper (no Higher or Foundation).

In total, students have 4 exams for English.



Key dates 2019/20



PPEs (Mock exam dates)

 4^{th} - 18^{th} November - Language Paper 1 and 2

24th February – 2nd March – Literature Paper 1 and 2

Key dates 2019/20

The English Language qualification (8700) is 100% exam (two papers, taken at the end of Year 11).

Paper One: The Fiction Paper

Date of exam: 2nd June 2020

- Four questions testing reading /comprehension of one unseen fiction extract.
- One creative writing task: description or narrative.
- 50% of GCSE. One hour 45 minutes.

Paper Two: The Non Fiction Paper

Date of exam: 5th June 2020

- Four questions testing reading/ comprehension of two unseen non-fiction texts, including one from the 19th Century.
- One writing task: writing to present a point of view.
- 50% of GCSE. One hour 45 minutes.

The English Literature qualification (8702) is 100% exam (two papers, taken at the end of Year 11).

<u>Paper One: Shakespeare and 19th Century</u> Novel

Date of exam: 13th May 2020

- One essay question on Romeo and Juliet or Macbeth (with an extract to start from)
- One essay question on The Sign of Four or A Christmas Carol (with an extract to start from)
- 40% of GCSE. One hour 45 minutes.

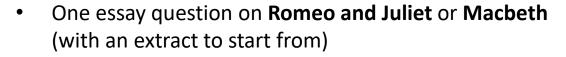
Paper Two: Modern Texts and Poetry

Date of exam: 21st May 2020

- One essay question on Blood Brothers, Inspector Calls, Animal Farm or Lord of the Flies.
- One essay comparing poems from a list we have studied.
- Two questions based on unseen / unstudied poems.



Literature Paper One: Shakespeare and 19th Century Novel



- One essay question on Sign of Four or A Christmas
 Carol (with an extract to start from)
- 40% of GCSE. One hour 45 minutes.



Literature Paper Two: Modern Texts and Poetry



- One essay question on **Blood Brothers**, **An Inspector Calls, Lord of the Flies or Animal Farm**.
- One essay comparing poems from a list we have studied.
- Two questions based on unseen / unstudied poems.
- 60% of GCSE. Two hours 15 minutes.

Language Paper One: The Fiction Paper



- Four questions testing reading /comprehension of one unseen fiction extract.
- One creative writing task: description or narrative.
- 50% of GCSE. One hour 45 minutes.

Language Paper Two: The Non-Fiction Paper



- Four questions testing reading /comprehension of two unseen non-fiction texts, including one from the 19th Century.
- One creative writing task: writing to present a point of view.
- 50% of GCSE. One hour 45 minutes.

Revision for Literature Needs to Start Now!

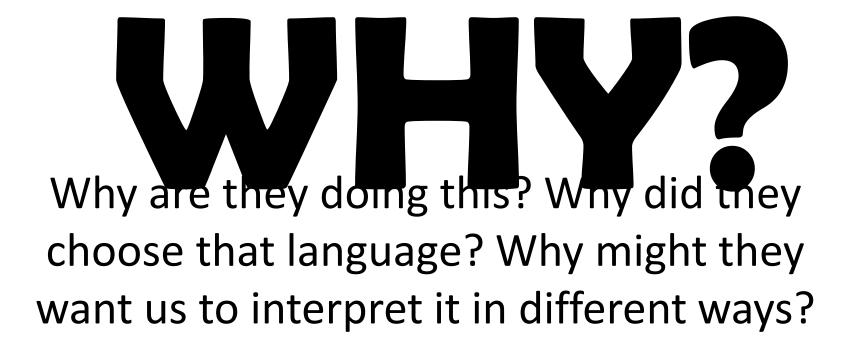


- Lots of good quality materials provided by teachers.
- Firefly
- GCSE Pod
- Revision guides.
- Pixl Lit App launched in lesson.

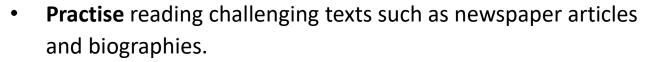
What is the writer trying to tell us about the character/theme/setting? What do they want us to feel as a reader?

However this sold of the use

the language/language
techniques/structure to do this? How do
key words/phrases show this? How does it
tell us something about the time a text
was written?



Language Needs Practise not Revision!



- Practise working around difficult vocabulary.
- Practise analysing language and structural features in challenging texts.
- Practise answering questions to time (teachers can provide suggested timings).
- Practise writing skills, such as growing their vocabulary, using a range of sentences and understanding how to use a range of punctuation marks. Students aiming for the higher grades could practise planning interesting structures and using linguistic devices.



Mr Ward- CAL English

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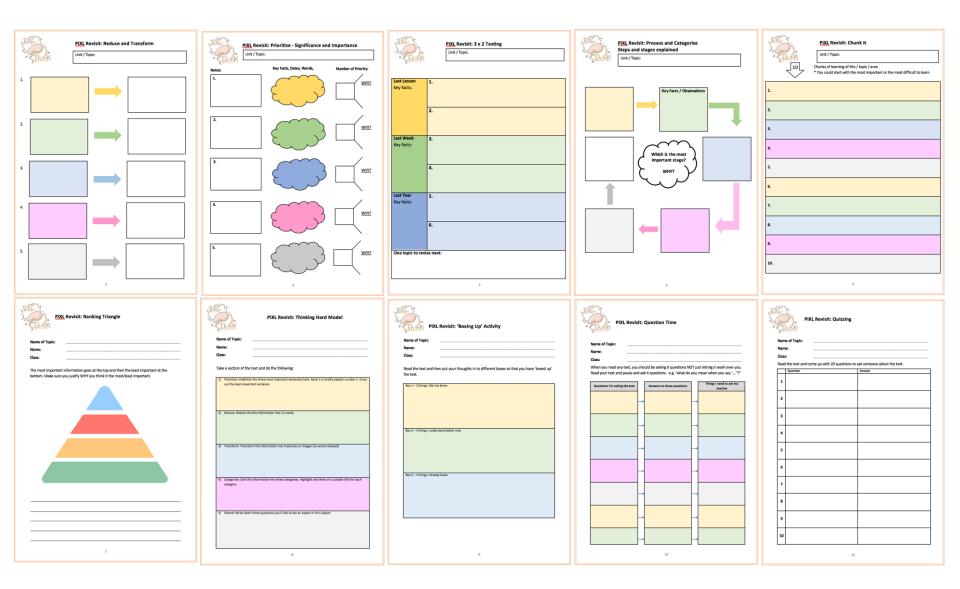
What **is** marathon revision?

- You must **TRANSFORM** the information: use pictures, a diagram, a chart...
- You must REDUCE the information: summarise, break down into bullet points, etc.
- You must SORT the information: arrange information into different groups, or sort it into a rank order...
- You must LINK the information: across subjects, topics...

What **else** is marathon revision?

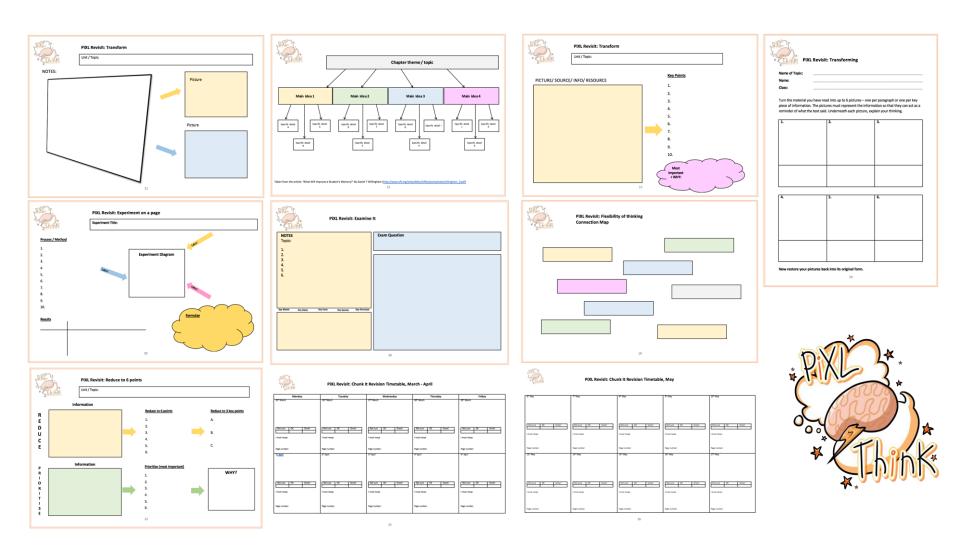
- **RESTORE** the information from your bullet points, images, etc.
- Create STEPS that explain it all.
- TEST yourself with some quick quizzes, etc.
- Then REFINE your revision by going over any bits that you didn't know so well, creating a new summary list, reduce the number of bullet points etc.

TRANSFORM... REDUCE... SORT... LINK...



RESTORE... STEP... TEST... REFINE..

TRANSFORM... REDUCE... SORT... LINK...



RESTORE... STEP... TEST... REFINE..

Think like an Olympian!



Our very own James Fox winning Gold in Rio.



And - another ex-student - Lee Manning who won Bronze in the Rio Paralympics.

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Day / Time	4.00pm to 5.00pm	5.00pm to 6.00pm	· ·	pm to Opm	7.00pm to 8.00pm		8.00pm to 9.00pm		9.00pm to 10.00pm	
Monday	History Revision Cold War	Rest / Eat / TV	PE Muscles Skeleton		Football Training Grange		Rest / Recover / Shower		English Of Mice and men	
Tuesday	History Nazi Germany	Rest / Eat / TV	Maths My Math	s (Topic??)	Meths My Maths (Topic??)		Rest		English Of Mice and men	
Wednesday	History Nazi Germany	Rest / Eat / TV	Meths My Math	s (Topic??)	Meths My Maths (Topic??)		PE Stages of Info Proce		PE Rest Somatotypes	
Thursday	History Liberal reforms	Rest / Eat / TV	Geog Rivers	Geog Rivers	Geog Eco systems	Geog Eco Systems			English Of Mice and N	Ven
Friday	Afterschool Badminton Club	Rest / Eat / TV	Going Ou Cinema	it	Going Out Cinema		Going Out Cinema		Going Out Cinema	
	10.00am to 11.00am	11.00am to 12.00pm	•	to 1.00pm	1.00pm to 2.00pm History Coursework 7.00pm to 8.00pm		2.00opm to 3.00pm		3.00pm to 4.00pm	
Sunday	History Coursework	History Coursework	History CWK	Lunch			History CWK	Walk the dog!	History Coursework	
	4.00pm to 5.00pm	5.00pm to 6.00pm	6.00pm t	o 7.00pm			8.00pm to 9.00pm		9.00pm to 10.00pm	
							English Of Mice and Men		English Of Mice and men	

Also consider....

- Athletes need a training base where can your son / daughter do their school work?
- Rest and recovery time is important.
- Exercise keeps the brain alert and ready to work.
- Eat well and regularly use this as a time to discuss and plan. Can you help in any way?
- Hydrate their brains.
- Consider a reward scheme / incentives!
- Be supportive, positive and encouraging do not allow excuses!

What else are we doing?



Outside speakers to

motivate and

enthuse...





Year 11 Prom – July 2018 Year Book created by students







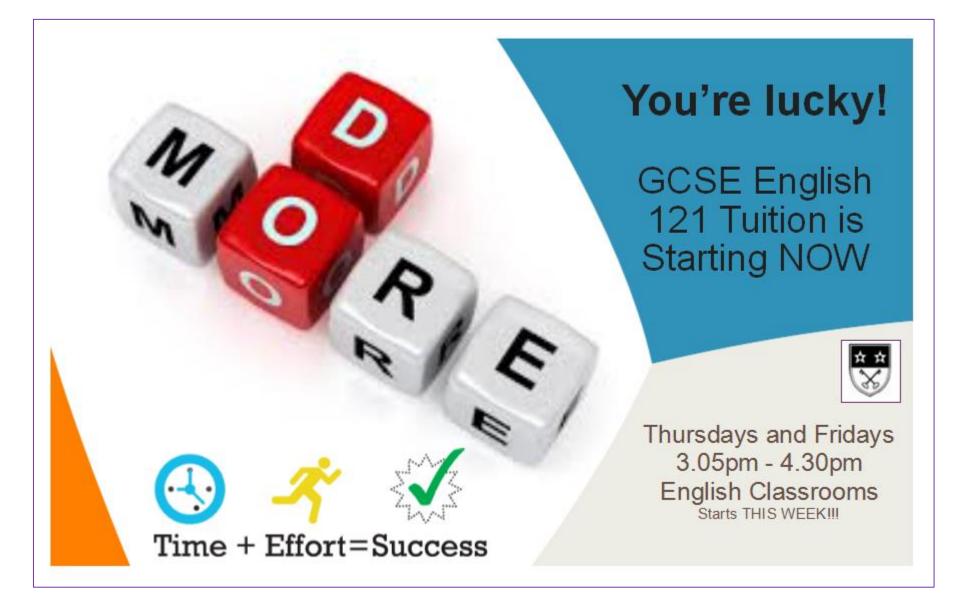


JACK HUNT SCHOOL

CLASS OF



Mock Results Day – Wednesday 4 December



If you receive one of these, make sure that your child attends their tutoring session on in English, Science and/or Maths.

Sleep matters!

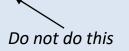


Have a routine – go to bed at the same time and wake up at the same time each day. This trains your body clock and helps you manage distractions and get to sleep easily.



Do some exercise 2 hours before you go to bed, apparently cycling is really good. A bit of exercise tires you out, increases blood flow in your arteries and releases feel good hormones. Go for a walk!





Turn the phone off, or at least dim it and put it on silent 2 hours before bedtime. Even better – charge it outside your bedroom. Also, avoid having any bright lights from IT equipment in your room – it stops you releasing the melatonin you need to get to sleep.

Sleep matters!



Eat a turkey and/or cheese sandwich 90 minutes before you go to bed. No really. Turkey, cheese and bread all contain tryptophan which helps you fall asleep.



Drink some cherry juice an hour before bedtime. Cherries contain melatonin which means that you will fall asleep easier and for longer.



Finally, about 45 minutes before bedtime, have a nice long (30 minutes) hot bath. Add some lavender oil, candles, go the whole hog. Read a good book... drift off to sleep...

Other ideas?



Talking Tricks

Talking to a teenager can be tricky. Here are a few ideas that might come in handy when beginning a chat.

- What was the best thing that happened at school today?
- Tell me something that made you laugh today.
- 3. If you had a free choice, who would you/would you not sit with in class? Why?
- 4. How did someone help you today?
- 5. Tell me one thing you learned today.
- 6. When were you happiest today?
- 7. When were you bored today?
- What word did your teacher say most today?
- Tell me about something good that happened today.
- 10. What do you think you should be doing more/less of to prepare for the exams?
- 11. What about using a Mind Map for this essay plan/revision?
- 12. Remember that Memory Journey thing to link ideas? Why not use that for this?
- 13. Have you looked on Kite yet?
- 14. What would you like to happen to make this better?
- 15. I love you!

Remember, this is worth the effort – don't give up!



Study Strategies

These are a few things you could suggest if your son/daughter is at a loss for what to do next.

Mind Maps

Don't just re-read notes, turn them into mind maps and then stick them up in your room. Add pictures and colours to help you remember key areas of information.

See thinkbuzan.com

Flashcards

Write key information on colour coded cards for each subject/topic. This will force you to condense what you need to know and fit nicely in a pocket to carry around.

Study Buddies

Lots of our students deliberately work together, particularly when they are revising for a key test or exam. Let your child invite some friends over and then give them a quiet space to work, and maybe some biscuits.

Memory Journey

Pick a familiar room or a route and then 'hang' key bits of information at different points. Honestly, it works!

Remember Kite – there's a link on www.jackhunt.net and a mountain of materials to help with every subject.

And finally...

And finally...

"When I fell I was just thinking 'try and get back as fast as I can'...
I was thinking 'don't panic, don't panic'."





Thank you!