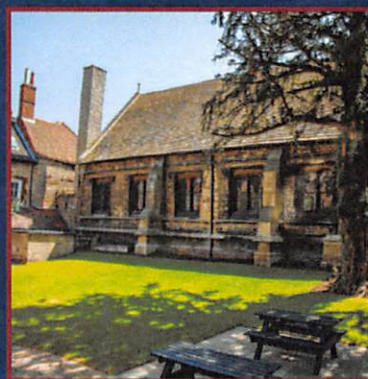
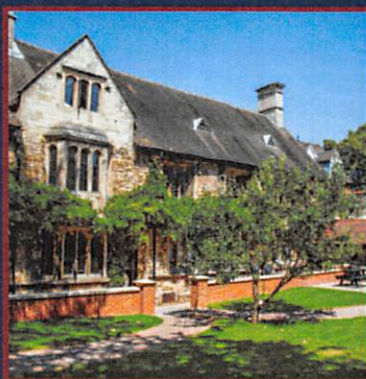




# THE KING'S SCHOOL

GRANTHAM

*Isaac Newton's School*



YEAR 10 END OF YEAR EXAMS 2017

REVISION BOOKLET

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## **Introduction**

**This booklet is designed to help you prepare for your end of year exams. You will have exams at the end of the year for the rest of your school career, so you need to start learning how to prepare successfully and get the highest grade you can.**

**The more organised you are, the easier it will be for you to revise. Many students find it difficult to get started and waste a lot of valuable time because they cannot find the notes they need or their original exercise books for each subject.**

**When you revise, it is important to use techniques that will help you remember facts. Do not just spend time reading and re-reading your notes in the hope that somehow you will take everything in.**

**You will need to make a real effort to learn what you are reading and that means working on your notes and using strategies that will help you to focus on each topic and pick out the key facts and fix them in your mind. The first part of this booklet offers a series of methods to aid you with revision. In the final section, Subject Leaders have provided a breakdown of what each exam will involve.**

### **Ten Top Tips for Successful Revision**

- Find a good place to work where you cannot be disturbed or distracted.
- Draw up a plan of what you are going to revise and when. Give yourself targets to achieve when revising.
- Don't work for too long at any one time and take regular breaks of 5-10 minutes during revision.
- Eat, sleep and live healthily during revision time and during the exams. Make sure you have breakfast on the day of exams.
- Try to vary the ways you revise, don't just sit reading a book. There are lots of ideas in this booklet to help you.
- Revise with a friend, talking to someone about a topic/problem often helps your memory.
- Test yourself (or get someone to test you) regularly without looking at your notes.
- Re-visit topics/subjects regularly to help you memorise them effectively.
- Mix up your weak and strong subjects when you revise.
- Make sure whatever revision you do you make it stick – don't convince yourself you have revised by sitting in front of the TV with your book on your lap!

## Timetabling Your Revision

Organising how, where and when you are going to revise is very important and varies for everyone. Good advice is to write out a timetable which you can stick to no matter what the subject.

### Warm up your brain

It is always a good idea to warm your brain up before you start to revise. Try some of these:

<b>What If...?</b>	<b>Invent A Name</b>	<b>It Does What?</b>	<b>Plus points, Minus points, Interesting points</b>
◊ The moon was made of cheese	◊ A shampoo that instantly gave you curly hair	◊ Oxyputer	◊ Everyone should wear a mood badge
◊ All the grass disappeared overnight	◊ A robot that takes your dog for a walk	◊ Kangastep	◊ All children should adopt an elderly neighbour
◊ Water was poisonous	◊ A pair of glasses which shows you what's happening behind you	◊ Aquadigger	◊ All cars should be painted blue

### Set a target and time

Decide what you want to accomplish by the end of your study time and set little targets within this time. Try not to be unrealistic to avoid rushing and missing key points.

### Set a reward

When you have set a target and time frame think of a reward you can enjoy when, and only when, these are met. This could be anything from chocolate, playing a computer game or meeting up with friends.

### Choose a suitable place to revise

Only you know where you work best and won't be easily distracted, try to think of a place, or better a couple of places, where you will not be tempted to check Facebook, your phone or top up your drink, etc.

### Plan in breaks

Plan breaks at sensible intervals when you can stretch your legs, get a drink and have a short change of scenery. Booking in your lunch break to have a shorter afternoon session than the morning session will make the time go faster.

### How well did you do?

When your time is up look over your progress, have you accomplished all you set out to do? Is there anything you could add next session? Is it time for your reward?

## **Revision Strategies**

In the weeks before the exams, plan a revision programme. Make a list of the topics you need to revise for each subject and draw up a revision timetable. Use the revision programme sheets provided in this booklet to plan your study.

There are many ways to revise. A list of strategies is provided below followed by more detailed explanations of a number of specific strategies.

### **INDEX CARDS**

The main points can be written out on cards to carry round with you. You can even design coloured symbols on the back. The symbols can then be used as a trigger for your memory.

### **POST-ITS**

Stick post-its with key ideas in your bedroom, hallway or around the house. They can be re-ordered on a flat surface.

### **POSTERS**

Dramatic and colourful posters which summarise ideas visually can be placed at eye level, or above.

### **REVIEW TO MUSIC**

An enjoyable, easy way to remember. Music with 60-70 beats per minute is supposed to be the best to help your long term memory.

### **DRAMATIC MONOLOGUES**

It can help you remember if you speak out loud, especially if the voices are outrageous.

### **GET A MANAGER**

Make an arrangement with someone (other than a teacher) to listen to, test or interrogate you at fixed times.

### **HIGHLIGHTER PENS**

Practice picking out the main points with a highlighter. Ask your teacher if you're right then have another go with something else.

### **AGAINST THE CLOCK**

Make a game of answering as many questions as you can against the clock. Keep trying to beat your last score.

## **PRIZE BRIBES**

Ask your parents to reward you with something good for reaching a target you set yourself.

## **VISUALISE IT**

Conjure up pictures in your mind of what you're revising.

## **MAKE IT SILLY**

Think up silly suggestions. Things that make us smile get remembered more easily.

## **TALK INTO A TAPE**

This way you have to think about what goes in – and listen to what comes out.

## **POINTS OF VIEW**

In partner revision, or by yourself, take one person's point of view – then swap over and argue the other side.

## **INTERVIEW**

Set up an interview situation – but the questions are on what you're revising.

## **WALKABOUT**

Help your memory by learning things in different places and unusual locations. Learn different chapters of a book, say, in different rooms. Or put index cards on the floor in different sequences and walk between them, memorising as you go.

## **COLOUR CARDS**

Colour code your revision cards to help you.

## **DIAGRAMS AND FLOW CHARTS**

Tree charts, flow charts, spidergrams, split lists, sets – all are useful for organising your thinking.

## **MNEMONICS**

These make words out of the first initials, e.g. CHOPINS – Carbon, Hydrogen, Oxygen, Phosphorous, Iodine, Nitrogen, Sulphur.

## **READING OUT LOUD**

Saying things out loud can help you by making you slow down and organise your thoughts.

## **TEST, COVER AND RE-TEST**

Learn something, cover it and test yourself – then check. Repeat until a genius.

## **WORD GAMES**

Use word games, e.g. a Stalagmite MIGHT reach the ceiling, and a Stalactite holds TIGHT to the ceiling.

## **BUDDY TESTING**

Revise with a friend or group of friends. Some people do well when they bounce ideas off others.

## **PUZZLES**

Make logic games, anagrams or puzzles out of what you're revising e.g. codes, symbols or crosswords.

## **POEMS**

Make your subject matter into a rhythmical poem. Remember the rhythm – remember the facts!

## **KEEP A REVISION JOURNAL OR DIARY**

For some, this allows a feeling of progress and a way to track your own progress.

## **COLLAGE**

Make a collage of your main facts, pictures, symbols, cuttings, quotations, formulae etc.

## **JOURNEY ROUND THE KNOWN UNIVERSE**

Put key ideas, cards or summaries at eye level around your room, in sequence. Visit them in order – then imagine you're visiting them. What do they say?

## **INSIST LISTS**

Make lists of your MUST DO jobs – and carry them with you everywhere.

### Command Words ....

So often time and marks are wasted by not **reading a question correctly** or by 'waffling', it is important that you **recognize and understand** the command words within the question before you attempt it to maximize your marks:

<b>Describe</b>	To provide a detailed account of a topic and give reasons for it.
<b>Explain/Give Reason For/Account For</b>	To give a clear account of your knowledge and understanding, or give reasons for why something is so.
<b>Compare</b>	To show how two, or more, things are different or similar.
<b>Analyse</b>	To identify important features of a subject and separate it into parts and examine how they relate to one another.
<b>Clarify</b>	To give reasons for.
<b>Criticise</b>	To examine all the positive and negative aspects of a topic.
<b>Demonstrate</b>	To examine and give evidence to support an argument.
<b>Discuss</b>	To examine by giving positive and negatives.
<b>Evaluate</b>	To discuss the worth, importance or usefulness of something by giving evidence to support your view.
<b>Explore</b>	To follow the development of something systematically from its origin.
<b>Illustrate</b>	To provide the main points, showing the main structure rather than great detail.
<b>Interpret</b>	To make compatible that which appears to be in conflict.
<b>Justify</b>	To give evidence which supports an argument or idea. Show why decisions or arguments were made considering objections others may make.
<b>Outline</b>	To provide a detailed description with examples.
<b>State</b>	To express briefly and clearly.
<b>Summarise</b>	To give a concise account of the main points omitting detail.
<b>Suggest</b>	To expand your knowledge and understanding to a topic you are not necessarily expected to know well and to transfer other knowledge to give a sensible account.

## Memory Techniques ....

There are a number of memory techniques which may help you to develop a more effective memory. However, before you set out remembering everything in sight, it is important to CONDENSE what you need to learn. CONDENSING your work and identifying KEY WORDS are the first step to committing it to memory.

Depending on the subject you are studying, these might be:

NAMES

PLACES

DATES

FACTS/FIGURES

SEQUENCES

When you have identified the keywords, underline them or mark them with a **highlighter**. It is a good idea to use several pens of different colours. You could even develop a system that uses different colours for different information



RED  
GREEN  
BLUE  
YELLOW  
ORANGE

PEOPLE  
PLACES  
FACTS & FIGURES  
QUOTATIONS  
DATES

Spend about **10 – 15 minutes** learning your list of keywords until you are confident you can recite the list (also that you know what each word means!)

Then, in the weeks leading up to your exam, spend about **5 minutes** on **2 or 3 occasions** to check through the list again. Nearer to the exam, check how well you have remembered the keywords. You should find it easy to recall the list again with only a few minutes revision.

## Image Chains ...

The key to your memory is **imagination**. When you watch television, you expect to see a programme that captures your imagination. Unfortunately, the things you need to remember for your exams don't tend to possess the contents of a Hollywood blockbuster!

Image chains are an imaginative way to remember a list of random words by linking them to a story. The trick is to be **imaginative and creative** – the more so the better.

Use **positive, pleasant images**. The brain often blocks out unpleasant ones. **Exaggerate** the size of the important parts of the image. Use humour. **Funny** or **peculiar** things are easier to remember. **Rude things** are also easier to recall.

**Symbols** can be used. Bright, **colourful** images are easier to remember than dull ones. Try to use all the **senses** in your story by using sounds, smells, tastes, touch movements and feelings as well as pictures.



Example:

**Spice** **Potato** **Dance** **Window** **Plant** **Finger** **Bin** **Wet** **Purple** **Log**

One day a **spicy** purple **potato** was **dancing** on a **log** but it was **wet** because it had been raining and so he fell off and knocked the **plant** off the **window** with his **finger** and it fell in the **bin**.

Your turn...

**Tree**

**House**

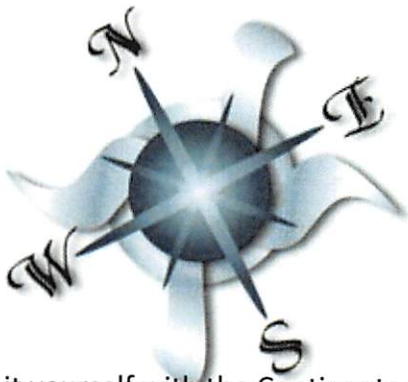
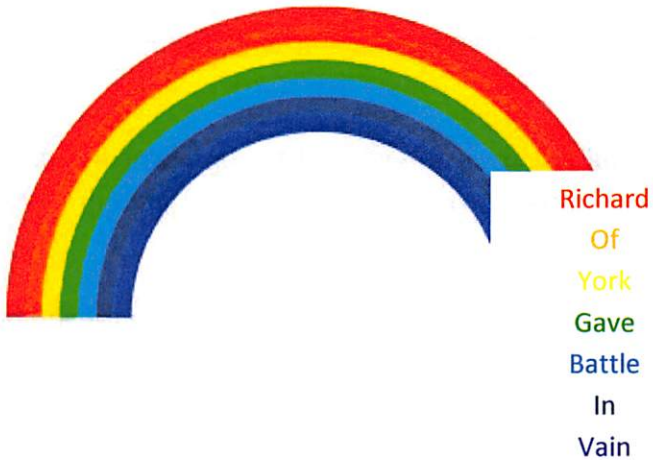
**Dog**

**Pencil**

**Cheese**

## Triggers and Mnemonics ...

Take the first letter of each word you need to remember and use them to make an **imaginative** sentence. You should use this type of memory strategy to help you remember things **IN THE RIGHT ORDER**. You have used this one before:



Naughty	Never
Elephants	Eat
Squirt	Shredded
Water	Wheat

Try it yourself with the Continents of the World:

Europe	E
Asia	A
Africa	A
Oceania	O
Antarctica	A
North America	N
South America	S

## Mind Mapping

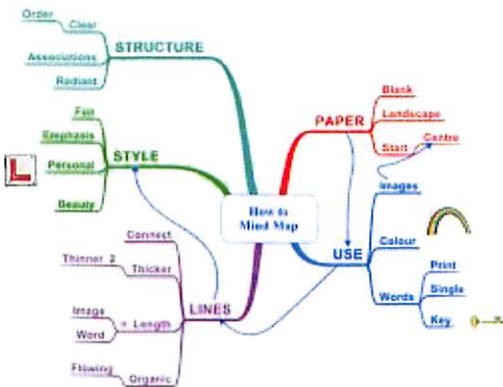
This is a very **effective** way of representing **large amounts of information** in an attractive, easily-remembered way. You may have used a 'spider diagram' – which are very similar.

- ◇ Use a large piece of paper turned landscape.
- ◇ In the centre write a name of the topic that you are going to revise – and add a simple illustration if you wish.
- ◇ Now draw lines like branches (coming out from the centre) to represent the main areas of the topic. Each of these can be illustrated or could be in different colour – or a different type face.
- ◇ In turn, each of these could sub-divide into several more sections. Continue adding more branches until all the main information is on the mind map.
- ◇ The finished mind map could contain diagrams, names (and pictures) of important people, dates, places, etc. If it gets crowded, you could create a separate mind map for a particular section.

Mind maps start with a **theme**, have **main ideas** and are held together with **details**.

To make mind maps more **memorable**:

- ◇ Use **doodles, pictures** and **diagrams**.
- ◇ Use different **colours**.
- ◇ Use different **type fonts**.
- ◇ Use **humour** (cartoons), etc.
- ◇ Design **your own** (don't just copy other peoples).
- ◇ **CONDENSE**.



## Case Studies

Case studies may be the bane of your life, but you can guarantee you WILL have questions which will require both vague and detailed answers to show your understanding.

They help to bring a theory to life and make the real work more engaging. They illustrate [key points](#), [key messages](#) and how things are done in practice, but there is a lot of detail to remember so to break this down, as well as mind maps, a case study card can be used.

For example:

<b>Case Study:</b>			
Topic:			
Section Of Syllabus:			
Location:	Town/City/Region:	Country:	Continent:
<b>What?</b>  <b>When?</b>  <b>Why?</b>  <b>Facts And Figures:</b>		<b>What were the causes?</b>	
<b>What were the effects?</b>		<b>How can the changes be managed or solved? By whom?</b>  <b>What are the options for the future?</b>	
<b>Key Words:</b>			

<b>Book:</b>	
Author:	
Date:	Genre:
Main Characters and Relationships:	Synopsis:
Key Chapter Plot:	Author Techniques:
<b>Key Quotes:</b>	

Separate subjects could be printed on different coloured paper, or each corresponding section in the same colour font.

## The Process of Learning

1) Don't know and I don't know that I don't know  Unconscious Incompetence	2) I don't know stuff and I realise that I don't know it  Conscious Incompetence
4) I know it and I can do it even without having to think about it  Unconscious Competence	3) I am beginning to get it and when I concentrate really hard and I know I am beginning to get it  Conscious Competence

Your turn:

Work with a partner and each take a turn to do this exercise:

Think of a time when you were very motivated to do something and it was a challenge and you achieved it (it could be school work, learning a sport, or something artistic).

How did you keep yourself motivated (wanting to stick to it and keep trying) so that you moved from box two to box three and box four?

How did you overcome any setbacks you experienced?



## **Stress Busters**

“There is no such thing as failure – only feedback”

Everyone gets nervous before an exam and has different ways of dealing with it. How you respond to stress may impact on your attainment. Below are some suggestions to help you relax and concentrate both before and during the exam:

### **Visualisation**

- ◊ Visit the exam room so you are familiar with its set up.
- ◊ Keep visualising the journey from your house to the exam room.

### **Relaxation**

- ◊ Start from the toes: Clench for ten seconds and R-E-L-A-X.
- ◊ Move up the body, clenching and relaxing.

### **Breathing**

- ◊ Empty your lungs out and hold for as long as possible.
- ◊ Then breathe in slowly.

### **The Three Minute Breathing Space**

Your breathing space provides a way to step out of automatic pilot and reconnect with the moment at hand.

### **Awareness**

Bring yourself into the present moment by deliberately adopting an upright and dignified posture. If possible, close your eyes and ask: “What is my experience right now...in thoughts...in feelings...and in body?”

Acknowledge and register your experiences, even if it's unwanted.

### **Gathering**

Then, gently redirect your full attention to your breathing, to each in and out breath as they flow, one after the other.

Your breathing can be used as an anchor to bring you to the present and help you to tune into a state of awareness and stillness.

### **Expanding**

Expand the field of your awareness around your breathing, so that it includes a sense of body as a whole, your posture and facial expression.

## Worry Busters

### Write down your concerns

This immediately helps you to feel calmer and more objective.

### Ask the key question: Are these worrying thoughts helpful?

If they are drawing your attention to something that needs dealing with, then start the pattern for dealing with things in the next three points below:

### Face the worst

What's the worst that could happen? Write it down. Now write down a few ways you'd cope if it did happen. Create a plan A and an alternative plan B, then think of the ways to make the worse less likely.

### Get the facts

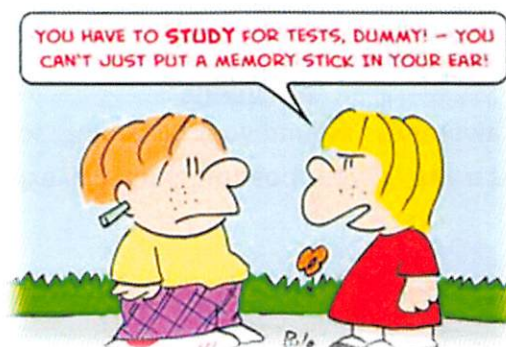
Worry can arise from confusion, or trying to make a decision without enough knowledge. Imagine you are collecting all the facts for someone else will help you stay calm and objective, or try to imagine you're a lawyer, whose job it is to stay impartial.

### Analyses the facts once you have them

Decide what to do. DO IT!

### Use your night thoughts

When you've a worry, your mind goes on thinking about it during the night. Lie still for a few minutes when you wake to give helpful ideas a chance to drift into your mind.



## **The Day of the Exam**

Do not try to do any revision on the day of the exam. Get to school on time – you do not want to start the exam feeling flustered because you arrived late. Try not to get drawn into conversations with your friends about what revision they have done and what questions might be asked in the exam. This would cause unnecessary panic.

In the exam read the instructions on the front of the paper to make sure you understand what you have to do. For example, you may not need to answer all the questions. When answering a question, re-read the question carefully to make sure you understand exactly what it is asking. Pace yourself with time. Do not spend too much time on any one question. Do not waste time giving too detailed an answer to questions which only carry a few marks. Finally, read through your answers at the end to check your spellings and any careless mistakes.

## Revision planners

### Weekly Revision Planner

Week beginning:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
07.00							
07.30							
08.00							
08.30							
09.00							
09.30							
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23.00							

**Preparing for examinations: What do I need to know?**

The most important part about revising for examinations is to determine what you need to know and where you can find the information. Fill in the table below to help:

Examination subject:

Date of examination:

Topic in Specification	Exactly what do I have to do/learn/know	Source of material/information (include page references)

Monthly /Daily Revision Timetable

Day	Date	Subject	Topic	Details
day	1			
day	2			
day	3			
day	4			
day	5			
day	6			
day	7			
day	8			
day	9			
day	10			
day	11			
day	12			
day	13			
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day	21					
day	22					
day	23					
day	24					
day	25					
day	26					
day	27					
day	28					
day	29					
day	30					
day	31					

## **SUBJECT INFORMATION**

### **MATHEMATICS**

<b>What will the examination involve?</b>	There will be two papers each lasting 1 hour. One non-calculator and one calculator paper. The papers will be questions from a GCSE paper.
<b>Main topics for revision</b>	Number: fractions, powers and indices and standard form. Algebra: linear equations, quadratics and changing the subject. Shape and space: transformations, area, perimeter and volume, graphs and trigonometry. Statistics: averages, cumulative frequency and probability.
<b>What can a student do to prepare?</b>	First learn key facts and procedures and then practice their application on questions of an appropriate standard. Going through the CAT tests done this year thoroughly would also help.
<b>Useful resources</b>	Useful links available on the school website and on FROG (VLE).

### **ENGLISH LANGUAGE**

<b>What will the examination involve?</b>	One hour long paper This involves reading a <b>non-fiction</b> passage from the <b>19<sup>th</sup> century</b> and one from the <b>21<sup>st</sup> century</b> and answering questions on these.
<b>Main topics for revision</b>	This task is skills based. Studying the type of language used in <i>Dr Jekyll and Mr Hyde</i> or <i>War of the Worlds</i> – both nineteenth century novels -is one way we have been preparing for the more demanding part of this comprehension.
<b>What can a student do to prepare?</b>	Read non-fiction in good newspapers/magazines etc. as well as looking over any 19 <sup>th</sup> non-fiction you have in your folder.
<b>Useful resources</b>	Look at the YEAR 10 Language section on FROG where there are useful links to the exam board website as well as other materials.

## ENGLISH LITERATURE

<b>What will the examination involve?</b>	Two questions. <ul style="list-style-type: none"> <li>• A <b><i>Macbeth</i></b> essay question for which you will have 40 minutes. This will be <b>closed book</b>.</li> <li>• An <b>unseen poetry</b> question for which you will have one hour.</li> </ul>
<b>Main topics for revision</b>	<i>Macbeth</i> is knowledge and skills based The poetry question is skills based
<b>What can a student do to prepare?</b>	<ul style="list-style-type: none"> <li>• <i>Macbeth</i> will need to be revised in great detail. The question will be based on ONE character from the play.</li> <li>• Revise anything you have done on poetry. Although you won't have seen the poems before, you will need to use all the analytical skills you have learned in going through the poems for the pre-prepared poetry paper.</li> </ul>
<b>Useful resources</b>	Look at the YEAR 10 Literature section on FROG where there are useful links to the exam board website and other materials.

## PHYSICS

<b>What will the examination involve?</b>	1 x 1 hour paper of GCSE questions – short and long answers.
<b>Main topics for revision</b>	Energy, Matter, Atomic Structure, Electricity and Electromagnetism
<b>What can a student do to prepare?</b>	Use their class notes and CATs. Check their notes and do past paper practice.
<b>Useful resources</b>	Kerboodle, BBC Bitesize and GCSEPod. The AQA website contains specimen papers and the specification.

## BIOLOGY

<b>What will the examination involve?</b>	1 hour exam paper with structured questions
<b>Main topics for revision</b>	Chapter 6 - Preventing and treating disease Chapter 7 - Non communicable diseases Chapter 8 - Photosynthesis Chapter 9 - Respiration Chapter 10 - Human nervous system Chapter 11 - Hormonal coordination
<b>What can a student do to prepare?</b>	Use the revision guide, learning grids, kerboodle activities, GCSEPod, past exam questions and FROG (VLE).
<b>Useful resources</b>	GCSEPod, GCSE Bitesize revision, kerboodle (has the online text book), AQA GCSE website for past exam questions and FROG (VLE).

## CHEMISTRY

<b>What will the examination involve?</b>	1 x 1 hour paper of GCSE questions – short and long answers. 60 marks in 60 minutes.
<b>Main topics for revision</b>	All topics covered from Year 9 and Year 10. Yr9: C1; C2. Yr10: C3; C4; C5; C6.
<b>What can a student do to prepare?</b>	Review aims. Ensure facts are known off by heart. Review previous CAT assessments to get used to style of questions.  Ensure that old examination questions on FROG (VLE) are completed and self-marked.
<b>Useful resources</b>	BBC Bitesize <a href="http://www.docbrown.info">www.docbrown.info</a>  <a href="http://www.kerboodle.com">www.kerboodle.com</a>  <a href="https://www.youtube.com/user/myGCSEscience/videos">https://www.youtube.com/user/myGCSEscience/videos</a>

## HISTORY

<b>What will the examination involve?</b>	4 and 12 mark source question from a GCSE Paper One
<b>Main topics for revision</b>	Vietnam 1954-1975
<b>What can a student do to prepare?</b>	Revise the whole of Vietnam Ensure they understand the structure for each question
<b>Useful resources</b>	Their exercise books. BBC Bitesize GCSE History Modern World. FROG (VLE).

## GEOGRAPHY

<b>What will the examination involve?</b>	1 paper 1 hour in length Short and long questions
<b>Main topics for revision</b>	Living in the UK today River fieldwork
<b>What can a student do to prepare?</b>	Use exercise book notes Make revision summary notes Learn case studies
<b>Useful resources</b>	FROG (VLE) Cool Geography BBC bitesize

## GERMAN

<b>What will the examination involve?</b>	<p>Writing Speaking Listening and reading</p> <p>Exact dates will be issued to students by their subject teachers.</p>
<b>Main topics for revision</b>	<p>School and leisure activities Family, friends and relationships</p>
<b>What can a student do to prepare?</b>	Revise vocab lists and grammar points from the textbook, topic booklets and their exercise books.
<b>Useful resources</b>	<p>Logo 3 – textbook  <a href="http://www.languagesonline.org.uk">www.languagesonline.org.uk</a>  <a href="http://www.linguascope.com">www.linguascope.com</a>  <a href="http://www.klar.co.uk">www.klar.co.uk</a></p>

## FRENCH

<b>What will the exams involve?</b>	<p>This will be your first opportunity to sit exams which reflect the new AQA GCSE.</p> <p>There will be papers in the following skills: Listening, Reading and Writing.</p> <p>All papers will contain Foundation and Higher elements</p> <p>The Writing paper will contain – a picture task , translation paragraph or sentences, a 150 word task on based on hobbies, your daily routine and week-end activities</p> <p>The Listening &amp; Reading papers will have questions in both French and English. There will be a number of multi-choice questions too.</p>
<b>Main topics for revision</b>	<p>The exams will concentrate on the following areas we have covered in Year 10.</p> <p>Module 1 - Family, friends and relationships. Places in the town and activities.</p> <p>Module 2 - Sport, music, technology, films and tv</p> <p>Module 3 - Food, meals, family celebrations and festivals</p>
<b>What can a student do to prepare</b>	Use the internet sites recommended below to revise grammar. It is very important to revise all the grammar points covered in each Module. If unsure ask your teacher to re-cap a specific grammar

	<p>point in class.</p> <p>Learn as much vocabulary as possible p28/29, p 50/51, p72/73</p>
<b>Useful resources (books, websites etc.)</b>	<p>Studio text book Modules 1,2,3</p> <p>Languages on line –grammar exercises</p> <p>BBC bitesize –listening activities at both Foundation and Higher levels</p>

### ART

<b>What will the examination involve?</b>	<p>Students will sit a two day examination.</p> <p>Students will make a work based on the current theme.</p>
<b>Main topics for revision</b>	<p>Sketch book studies. Drawing/Painting/Photographing from observation.</p> <p>Artist studies and gathering images from own experiences.</p>
<b>What can a student do to prepare?</b>	<p>Sketch book studies. Drawing/Painting/Photographing from observation.</p> <p>Artist studies and gathering images from own experiences.</p>
<b>Useful resources</b>	The Art department library.

### DT – RESISTANT MATERIALS

<b>What will the examination involve?</b>	<p>EDEXCEL GCSE Resistant Materials exam paper.</p> <p>You will complete one paper. The paper starts with quick questions which progressively get harder. This includes multiple choice questions to extended comparison questions with reasoned justification. The total marks of the exam paper are 64.</p>
<b>Main topics for revision</b>	<ul style="list-style-type: none"> <li>• Timbers, Metals and Plastics – categories, types, names, characteristics and uses.</li> <li>• Tools and equipment</li> <li>• Health and safety</li> <li>• Environmental issues/recycling and built in obsolesce</li> <li>• Plastic and Metal industrial manufacturing processes</li> </ul>
<b>What can a student do to prepare?</b>	<p>Revise using information from their current exercise books.</p> <p>Use available websites and text books.</p> <p>Create mind maps to test knowledge of specific topics as well as question and answer each other on specific topics.</p>
<b>Useful resources</b>	<p>Websites:</p> <ul style="list-style-type: none"> <li>• Design Technology student - <a href="http://www.technologystudent.com">www.technologystudent.com</a></li> <li>• BBC Bite size - <a href="http://www.bbc.co.uk/schools/gcsebitesize">www.bbc.co.uk/schools/gcsebitesize</a></li> </ul>

	Text books: <ul style="list-style-type: none"> <li>• EDEXCEL Resistant Materials</li> <li>• Lonsdale GCSE D&amp;T Resistant Materials Revision Guide</li> </ul>
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## DT – GRAPHICS

<b>What will the examination involve?</b>	Usually a GCSE Graphics Product exam paper is two hours long however the students will only answer Section B (General knowledge of Graphic Products) of a GCSE exam paper which is worth 85 marks.
<b>Main topics for revision</b>	<p>Using the AQA text book as a guide, there are 11 units which will be essential when preparing for this exam. The units are:</p> <ul style="list-style-type: none"> <li>• Sketching techniques</li> <li>• Types and properties of paper, card and boards.</li> <li>• Smart and Modern Materials</li> <li>• Key Designers</li> <li>• Techniques and Processes</li> <li>• Pictorial Drawings</li> <li>• Information drawings</li> <li>• Products and applications</li> <li>• Moral, social, cultural, environmental, economic and sustainability issues</li> <li>• Packaging</li> <li>• Patents, copyrights, registered designs and trademarks.</li> </ul>
<b>What can a student do to prepare?</b>	Section B – The student will need to bring the correct Graphic products stationary to the exam as there will be drawing tasks. E.g. Pencil crayons, ruler, fine liner, rubbers etc.
<b>Useful resources</b>	<p>Resources which the students may find useful are:</p> <p>Websites:</p> <ul style="list-style-type: none"> <li>• Design Technology student - <a href="http://www.technologystudent.com">www.technologystudent.com</a></li> <li>• BBC Bite size - <a href="http://www.bbc.co.uk/schools/gcsebitesize/design/">www.bbc.co.uk/schools/gcsebitesize/design/</a></li> <li>• Frog</li> </ul> <p>Text books:</p> <ul style="list-style-type: none"> <li>• AQA Graphic Products</li> <li>• Collins GCSE D&amp;T Graphic Products Essentials</li> </ul>

## MUSIC

<b>What will the examination involve?</b>	The exam will be in the form of one listening and written examination lasting 1 hour. Section A will include short answers including a dictation question in response to extracts of music taken from the 6 set works studied in Area of Study 1, Area of Study 2 and Area of Study 3. Section B will involve one longer written answer chosen that will ask you to compare an extract from one of the set works and one extract of unfamiliar music this will require detailed explanation of musical devices used within the two works.
<b>Main topics for revision</b>	Area of study 1 – Instrumental Music (Bach & Beethoven) Area of Study 2 – Vocal Music (Purcell & Queen) Area of Study 3 – Music for Stage and Screen (Wicked & Star Wars)
<b>What can a student do to prepare?</b>	Listen to each extract through FROG (VLE) and read notes. Follow the score for each set work. Revise facts under each musical category: Melody, Rhythm/Tempo, Metre, Structure, Dynamics/Expression, Instrumentation, Harmony, Accompaniment/Texture and Tonality.
<b>Useful resources</b>	Edexcel Anthology of Music and accompanying text book CGP Edexcel GCSE Music BBC Bitesize FROG (VLE)

### COMPUTING

<b>What will the examination involve?</b>	1 paper sat in lessons. 30 minutes.
<b>Main topics for revision</b>	Computer hardware, internal components, logic gates.  Local area networks. How the WWW and the internet works.  Basic programming concepts and programming in Visual Basic.  Database concepts and SQL  Note:  As this is a practical subject, the exam will only account for a proportion of their final grade - the majority of their mark is based on their folder of programming work.
<b>What can a student do to prepare?</b>	Use FROG (VLE) and their folders to prepare the topics covered. There will be some recap lessons before the exam.
<b>Useful resources</b>	Folder. Teach-ICT.com. R drive teacher resources available through FROG. BBC Bitesize Computing

### ICT

The GCSE ICT course is coursework based and consequently a grade will be given to reflect current progress.

## PE

<b>What will the examination involve?</b>	1 paper 1 hour AQA Past Paper written questions
<b>Main topics for revision</b>	Skeleton, Muscles, Heart & Circulatory, Lungs & Respiratory System, Training, Diet and Individual Differences. (Chapters 1-8)
<b>What can a student do to prepare?</b>	Revision of course files. Analysis and reflection of end of unit test results and feedback. AQA past paper practice.
<b>Useful resources</b>	Course file <a href="http://www.aqa.co.uk">www.aqa.co.uk</a>

## BUSINESS STUDIES

<b>What will the examination involve?</b>	1 paper 60 marks 1 hour – AQA past paper (Unit 1 Setting up a Business - 413001) Mixture of short, medium and long answer questions
<b>Main topics for revision</b>	Business and enterprise, Starting a business, Marketing, Finance, People in Business and Operations Management (see student booklets and the CGP revision guide)
<b>What can a student do to prepare?</b>	Revise key terms from the student booklets and the CGP revision guide. Look through student booklets completed in class Re-do exam practice questions and refer to re-draft sheets Practice past papers (available from Mr Anderson and on FROG).
<b>Useful resources</b>	<ul style="list-style-type: none"> <li>• AQA Business Studies for GCSE – CGP revision guide</li> <li>• Completed student booklets</li> <li>• <a href="http://www.aqa.org.uk/subjects/business-subjects/gcse/business-subjects-and-economics-4130/spec-at-a-glance">http://www.aqa.org.uk/subjects/business-subjects/gcse/business-subjects-and-economics-4130/spec-at-a-glance</a></li> <li>• Frog (VLE)</li> </ul>



# THE KING'S SCHOOL

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