

# **Key Stage 3/4 Revision Booklet**

Year 9

ST JOSEPH'S CATHOLIC SCHOOL
CHURCH ROAD
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#### Dear Year 9 pupils,

In a few weeks, you will all be facing a series of formal examinations. These exams will test the progress you have made in your first year of your GCSEs.

Once your teachers have marked the exams, they will look at your results and come to a judgement about how much you have learned. Based on your achievements in these exams and your assessments throughout the year, subject teachers will be reviewing sets for their subject areas.

Once we have this overall picture, we will look at whether we feel it is appropriate that you 'move up' or 'move down' sets. Decisions about this will be made within weeks of you sitting the exams. If you have done particularly well, a letter of congratulations may be on its way... on the other hand, if you have not performed according to your ability, your parents may be asked to come up to school for an interview to discuss your progress.

As you can see, these exams are IMPORTANT for the school, for your parents, and (most importantly) for YOU.

So, what do you do now? Well, **REVISE**, of course! To help you do your very best in the exams, your teachers have drawn up revision lists – you will find them all in this booklet, along with revision tips and a revision planner to help you organise and use your time wisely. Remember – there should be no need to panic! If you have always worked hard in class and continue to do so, revision will be a pleasure rather than a chore, as it will simply be a matter of checking and confirming what you already know!

Your exams will happen during your lesson time and your teachers will inform you which lesson will be used for your exam. All exams will be taking place during the week beginning the 19<sup>th</sup> June.

All the teachers at St Joseph's wish you success in the forthcoming exams!

Mr R Rooney



## How to Perform Well in Exams

This guide is intended to help you with your exam preparation, so that you can make the most of what you have learned. It does NOT offer you a way around the problem of lack of effort in the past, but it CAN help you make the best use of the time you have left!

The most important thing is to **LISTEN** and **PARTICIPATE** in class. Pay attention and ask for help if/when you need it. The harder you work in class **NOW**, the easier your revision and preparation will be later.

Revising isn't something that should be challenging or difficult at all. What revising is, unfortunately, is time consuming. It takes a while. That's why you might like to start early (nothing to do on a Sunday?)...

#### **Plan Your Revision**

Work out how long you've got to revise before the exams, and plan how best to use that time. Prepare a revision timetable. Pace yourself, revisiting each subject area regularly in the weeks before the exams. Don't fool yourself that 'cramming' the night before an exam will do the trick!



#### **Preparation**

- Be organised. Keep your folders, books etc tidy so that you don't have to waste time looking through clutter.
- Read the subject pages in this booklet carefully to find out what will be examined in each subject.
- Don't try to revise where there are distractions, like the TV or your games console.
- Eat well, sleep well and take physical exercise cooping yourself up in one room day after day is unhealthy. You won't perform well if you've locked yourself up with books for weeks!
- Your brain can only concentrate for certain periods of time, so take regular breaks and treat yourself to a reward go out for a walk, kick a ball about, listen to music.
- Don't let breaks take over though stick to strict time limits, and don't slump for long periods in front of the TV.
- Make sure you know what equipment you will need for each exam.
- Make sure you know which exams are on which days. If you are ill on the day of an exam, make sure your parent/guardian telephones school immediately to explain.
- Make sure you are comfortable before you go into the exam room (e.g. make sure you have been to the toilet)



#### **Strategies for Revising**

There is no one correct way to revise, and each person will have their own approach. Below are a few strategies that you could use to help you revise:



Looking at the subject pages in this booklet identify what areas you need to concentrate on. When you have identified these areas go through your work for the year and create some revision resources (mind maps, flashcards, lists) with the relevant information.

Once you have these revision resources, you can use them to revise by:

- Testing yourself hide the resource away, can you remember all the information on the resource?
- Get others to test you
  - Give the resource to a family member or friend and ask them to ask you questions relating to the information.
  - Give the resource to a family member or friend and see if you can tell them the information on the resource.
- Look at some of the relevant questions you have done throughout the year in your exercise book or even past GCSE papers on the exam board websites –do the questions using your revision resources as help.

#### What to do now?

- Look at the Revision Guide booklet on the school website and on Satchel One lots of tips and strategies and links through to useful websites for each subject
- Speak to your teachers to find out:
  - What exam board the course is with
  - Which specification you are doing
  - Which modules/topics are likely to come up in your Yr10 mocks (this information will also be in the Revision Guide booklet).
- Visit the relevant exam board websites and search for:
  - Specifications (so you know what you are expected to know)
  - o Past exam papers or Sample exam papers
- Plan your revision (timings and strategies/techniques)
- Revise!

On the next page is a suggestion on how you could organise your revision time!



## End of Year Exam Revision Strategy

Gather ->	Filter >	Learn →	Test →	
Session 1 After the first time you have revised a topic, you should not need to do any further 'gathering'	Session 2  After the 2nd or 3rd time you have revised a topic, you should not need to do any further 'filtering'  Session 3  Give yourself a variety of activities and change where you work from time to time. Don't forget to revise with friends sometimes too.		Session 4 onwards As you approach your exam date you should spend more and more time on the testing stage and making the tests more challenging.	
20% of your time	30% of your time	30% of your time	20% of your time	
You will need:  Exercise books  Revision guides/checklists (see the section on the school website)  Questions you have tackled during lessons  Old assessments you have completed  Before you start, rank the topics you need to cover from most to least confidence. Begin with the topics lowest on the list.  Read through and become familiar with the information that you need to know in order to be successful.  Identify any bits of knowledge you have missing and go to see your teacher to help fill this gap.	Reduce the amount of information you have down to essential parts of the knowledge. You can do this by:  Creating mind maps or flash cards.  Creating Crib sheets – these are like pages from a revision guide with all the essential information.  Writing 'perfect' exam answers from your notes.  Making your own knowledge organiser or summary sheet of the topics.	Use these strategies to learn the information so that you can recall it easily.  Look/cover/write/check  Read and repeat information for 2-3 minutes, do something else for 10 minutes and then try to recreate from memory.  Complete exam/assessment questions and then go back and self-mark. Fill in the gaps in a different coloured pen. Revise the bits you missed again.	Low stakes testing Easy, quick quizzes which test small pieces of knowledge. This works well for simple facts, dates, key words or important formulae. You must complete some low stakes testing within 24 hours of revising a topic to anchor learning in your memory.  High stakes testing These are longer exam style questions which apply knowledge as you would have to in the exam.  These should be completed within 48-72 hours of revising a topic and then repeated regularly to keep your revision 'fresh'.	
Gathering is <b>not</b> revision; don't spend ages on this stage.	Copying out information word for word is not filtering or learning.		Silent. No support. Timed.	



## In the Exam/Classroom

Follow the instructions to the letter. Read any instructions given on the paper and listen carefully to the teacher who gives out the exam. Read the questions very carefully, and if there are examples given, study them carefully too. The clue as to how to answer the question will be in the example. Make sure you answer the question given – there isn't much point telling the examiner what you know if it has nothing to do with the question!

Plan your time well in the exam – if you only manage to attempt half of the questions, the best mark you can possibly get is only 50%! Make sure your answers are well-presented. Write clearly and neatly and label diagrams or pictures if this helps your answer.



#### **DON'T PANIC!**

Remember, exams are NOT designed to catch you out – rather, to allow you to show what you have learned. Being calm and thoughtful in the exam will help you get the most out of your preparation.

## Message to all parents

Please make sure that your son/daughter is properly equipped for the forthcoming exams.















As a minimum, they should have several black pens, pencils, a rubber, ruler and pencil-sharpener, mathematical equipment (protractor, compass, and a working calculator) all stored in a clear pencil case.

## **GCSE PE Revision**

#### WHAT YOU NEED TO REVISE:

**Physical Training:** Students should develop knowledge and understanding of the principles of training and different training methods in order to plan, carry out, monitor and evaluate personal exercise and training programmes.

## The relationship between health and fitness and the role that exercise plays in both:

Health and fitness	Definitions of health and fitness.
The relationship between health and fitness	Decreased fitness because of ill health, i.e. poor health can result in an inability to train, lowers fitness.
	Increased fitness despite ill health, i.e. unhealthy but able to train, in

## The components of fitness, benefits for sport and how fitness is measured and improved:

The components of fitness	Definitions of the following components of fitness:      agility     balance     cardiovascular endurance (aerobic power)     coordination     flexibility     muscular endurance     power/explosive strength (anaerobic power)     reaction time     strength (maximal, static, dynamic and explosive)     speed.
Linking sports and physical activity to the required components of fitness	Understand and justify why the components of fitness (as stated above) may or may not be needed when performing certain physical activities and sports.
Reasons for and limitations of fitness testing	Reasons for fitness testing:  • to identify strengths and/or weaknesses in a performance/the success of a training programme  • to monitor improvement  • to show a starting level of fitness



	<ul> <li>to inform training requirements</li> <li>to compare against norms of the group/national averages</li> <li>to motivate/set goals</li> <li>to provide variety in a training programme.</li> </ul> Limitations of fitness testing: <ul> <li>tests are often not sport specific/too general</li> <li>they do not replicate movements of activity</li> <li>they do not replicate competitive conditions required in sports</li> <li>many do not use direct measuring/sub-maximal – therefore inaccurate/some need motivation/some have questionable reliability</li> <li>they must be carried out with the correct procedures to increase validity.</li> </ul>
Measuring the components of fitness	Knowledge of the main procedures of the tests used to measure the following components of fitness:  agility – Illinois Agility Test balance – Stork Stand Test cardiovascular endurance (aerobic power) – Multistage Fitness Test flexibility – Sit and Reach Test muscular endurance – Sit-Up Bleep Test power/explosive strength (anaerobic power) – Vertical Jump Test reaction time – Ruler Drop Test maximal strength – One Rep Max Test speed – 30 Metre Sprint Test strength – Handgrip Dynamometer Test.  Testing procedures refers to 'how each test is carried out' and includes reference to how the test is organised (when applicable) in relation to the following:  the facilities and the equipment needed to set it up the procedures that have to be followed – the tasks and the rules the measurements that are used to score the performance the way conclusions are drawn from the scores/results.  Evaluate whether or not these tests are relevant to performers in different sporting activities.
Demonstration of how data is collected for fitness testing	Understanding of how test scores are measured/recorded (e.g. in seconds, levels, centimetres, numbers). Definitions of the terms qualitative and quantitative, in relation to the collection of fitness testing data. Understanding that the quantitative data collected during fitness testing can be compared to national averages.



# The principles of training and their application to personal exercise/training programmes:

The principles of training and overload	Key principles of training.  SPORT to include:  specificity progressive overload reversibility tedium.  Key principles of overload.  FITT to include:  frequency intensity time type.  Students should be taught the terms and what they mean.			
Application of the principles of training	How the principles of training can be applied to bring about improvements in fitness.  Application of the principles to sporting examples.			
Types of training	Understand the distinctions between different types of training.  Circuit training – consider space available, equipment available, number of circuit stations, work:rest ratio, the content/demand of the circuit can be altered in order to improve different components of fitness.  Continuous training – sustained exercise at a constant rate (steady state) without rests, involving aerobic demand for a minimum of 20 minutes, e.g. running, swimming, rowing, cycling.  Fartlek training – varying speed, terrain and work:recovery ratios.  Interval training/high intensity interval training – periods of exercising hard, interspersed with periods of rest or low intensity exercise.  Static stretching – a way to stretch to increase flexibility, held (isometric) for up to 30 seconds, using correct technique, advisable to avoid over stretching.			



Weight training – choice of weight/exercise depends on fitness aim, eg strength/power training or muscular endurance, the importance of safe practice/lifting technique, the need for spotters.

Plyometric training – use of plyometric exercises, e.g. bounding, depth jumping, to increase power. Basic physiological understanding (eccentric contraction followed by larger concentric contraction).

Any training (and practice) method must take account of the following:

- the training purpose(s), training thresholds/training targets/training zones (see calculating intensities below)
- rest/recovery.

Identification of the advantages and disadvantages (the effects on the body) of training types linked to specific aims The advantages and disadvantages (the effects on the body) of each type of training method stated above.

Students should be taught to select and evaluate appropriate training methods for various (aerobic and anaerobic) fitness needs and make links to sporting activity, e.g. continuous training is fully appropriate to marathon runners.

#### How to optimise training and prevent injury:

# Calculating intensities to optimise training effectiveness

Definition of training threshold.

Calculate the aerobic/anaerobic training zone:

- calculate maximum heart rate (220 minus age)
- calculate aerobic training zone (60–80% of maximal heart rate)
- calculate anaerobic training zone (80–90% of maximal heart rate).

For circuit training, altering the time/rest/content of the circuit will determine the fitness aim.

How to calculate one repetition maximum (one rep max) as part of weight training and how to make use of one rep max, with reference to:

- strength/power training (high weight/low reps above 70% of one rep max, approximately three sets of 4–8 reps)
- muscular endurance (low weight/high reps below 70% of one rep max, approximately three sets of 12–15 reps).

## Considerations to prevent injury

The training type/intensity should match the training purpose (e.g. aerobic or anaerobic).



	Where applicable, the following factors should be taken into account in order to prevent injury:  • a warmup should be completed • over training should be avoided, eg appropriate weight • appropriate clothing and footwear should be worn • taping/bracing should be used as necessary • hydration should be maintained • stretches should not be overstretched or bounce • technique used should be correct, eg lifting technique • appropriate rest in between sessions to allow for recovery.
Specific training techniques – high altitude training as a form of aerobic training	<ul> <li>train at high altitude</li> <li>there is less oxygen in the air and oxygen carrying capacity is reduced</li> <li>the body compensates by making more red blood cells to carry oxygen.</li> </ul> Students should be taught to evaluate the benefits and the limitations of altitude training for different sports performers. Students do not need to be taught how to calculate intensities for altitude training.
Seasonal aspects	<ul> <li>pre-season/preparation</li> <li>competition/peak/playing season</li> <li>post-season/transition.</li> </ul> An understanding of what each of the seasons entails (aims): <ul> <li>pre-season/preparation – general/aerobic fitness, specific fitness needs</li> <li>competition/peak/playing season – maintain fitness levels, work on specific skills</li> <li>post-season/transition – rest and light aerobic training to maintain a level of general fitness.</li> </ul> An understanding of the benefits of each season to the performer. Students should be taught to apply and justify the characteristics of the seasonal aspects to different sporting activities.



#### Effective use of warm up and cool down:

## Warming up and cooling down

The constituent parts of warming up and cooling down.

Warming up should include:

- · gradual pulse-raising activity
- stretching
- skill based practices/familiarisation
- mental preparation
- increase amount of oxygen to the working muscles.

#### Cooling down should include:

- maintaining elevated breathing and heart rate, eg walk, jog
- gradual reduction in intensity
- stretching.

Students should be taught to understand and justify appropriate elements of a warmup and a cool down for different sporting activities.

The benefits of warming up:

- effect on body temperature
- range of movement increased
- gradual increase of effort to full pace
- psychological preparation
- practice of movement skills through the whole range of movement
- injury prevention.

#### The benefits of cooling down:

- allowing the body to recover
- the removal of lactic acid/CO<sub>2</sub>/waste products
- prevent (delayed onset) muscle soreness/DOMS.

#### **Useful revision resources:**

- @PlanetPEgcsepe <a href="https://www.youtube.com/">https://www.youtube.com/</a>
- AQA GCSE PE BBC Bitesize https://www.bbc.co.uk/bitesize/examspecs/zp49cwx
- AQA GCSE PE Website <a href="https://www.aqa.org.uk/subjects/physical-education/gcse/physical-education-gcse/phys
- AQA GCSE PE Seneca <u>https://senecalearning.com/en-GB/</u>
- My Revision Notes: AQA GCSE (9–1) PE <a href="https://www.amazon.co.uk/My-Revision-Notes-AQA-GCSE/dp/1510405232">https://www.amazon.co.uk/My-Revision-Notes-AQA-GCSE/dp/1510405232</a>



- GCSE Physical Education AQA Revision Question Cards: <a href="https://www.amazon.co.uk/Grade-Physical-Education-Revision-">https://www.amazon.co.uk/Grade-Physical-Education-Revision-</a>
  - $\label{lem:question/dp/1789084164/ref=sr_1_1?crid=3K6HAYF8WEDZ9\&keywords=aqa+gcse+pe+revision\&qid=1678894470\&s=books\&sprefix=aqa+gcse+pe+revision%2Cstripbooks%2C133\&sr=1-1$
- GCSE Physical Education AQA Complete Revision & Practice: <a href="https://www.amazon.co.uk/Physical-Education-Complete-Revision-">https://www.amazon.co.uk/Physical-Education-Complete-Revision-</a>
  - <u>Practice/dp/1789080088/ref=sr\_1\_4?crid=3BGF6U8Y3DBXW&keywords=aqa+gcse+pe+revision&qid=1678894563&s=books&sprefix=aqa+gcse+pe+revision%2Cstripbooks%2C267&sr=1-4</u>
- Revise AQA GCSE Physical Education Revision Workbook: <a href="https://www.amazon.co.uk/Revise-Physical-Education-Revision-">https://www.amazon.co.uk/Revise-Physical-Education-Revision-</a>
  - Workbook/dp/1292204834/ref=sr\_1\_8?crid=3BGF6U8Y3DBXW&keywords=aqa+gcse+pe+revision&qid =1678894717&s=books&sprefix=aqa+gcse+pe+revision%2Cstripbooks%2C267&sr=1-8

GCSE PE Revision Afterschool with CMO/AGO on Fridays 15:35pm – 16:30pm. Email cmo@sjcs.org.uk to confirm if you would like to attend.



#### **Knowledge Organisers:**

 Your teacher will give you a knowledge organiser for all topics and you will have in class revision session. These should be in addition to your at-home revision.



#### What knowledge do I need from each module?

#### **Creation and Covenant**

- Imago Dei
- The 10 commandments
- The greatest commandments
- Conscience

#### **Galilee to Jerusalem**

- The Kingdom of God
- Jesus Miracles
- Jesus Parables
- Lourdes
- Mother Elvira

#### Imago Dei & Sanctity of life

- Abortion
- Euthanasia

#### **Prophecy and Promise**

Prophets, OT, NT and modern

#### To the ends of the earth

- Resurrection
- Heaven
- Hell
- Purgatory

#### What skills you need to focus on:

- Knowledge Do you know the keywords, concepts & stories?
- Describe Briefly identify the main parts of stories/events
- Influence How do teachings change a believers behaviour?
- Explaining Can you explain what the stories mean? Use PEE chains.
- **Evaluation** Can you consider different points of view and come to a conclusion? Drawing on evidence from key text (e.g. scripture) and develop an explanation (PEE).



## **English Revision**

You will answer 10 Multiple Choice Questions on your Shakespeare text and an extended GCSE style question based on Macbeth.



#### What should I revise? How should I revise?

#### **Knowledge Organisers:**

Your teacher will give you a knowledge organiser for your Shakespeare text in the next couple
of weeks. You should use this to revise quotations and key aspects of the play. Try the method
of look, cover, write and check and then get someone at home to test you on the facts.

#### Other Idea:

- Revise the overall plot (ask your teacher for help with this or look online)
- Revise characters (what do they represent? What are they like? How do they behave?)
- Revision of language analysis (What could you look for? What techniques do you know? Which
- words could you zoom in on?)
- Revision of context (How could you link this to the themes/ characters?)

#### How can I do this?

- Look back through your book. What have you done in lessons?
- Go onto a website like BBC Bitesize: <a href="https://www.bbc.co.uk/bitesize">https://www.bbc.co.uk/bitesize</a>
- Use revision resources given to you by your teacher.
- Watch 'Mr Bruff' short videos on YouTube.



## Spanish Revision

#### Key Topics Covered

#### 1. KS3 Recap

- Vocabulary: Name, age, birthday, hair and eyes, where I live, family members and age, pets and description, jobs, personality, clothes, free-time, weather, daily routine, next weekend, last weekend
- Grammar: adjective agreements, present tense, reflexives, past tense, near future tense

#### 2. ¡Diviértete! (Have Fun!)

- Vocabulary: Sports, social media, gaming, music, TV, film
- **Grammar:** 
  - Present tense (regular, irregular, stem-changing verbs)
  - Near future tense (voy a + infinitive)
  - o Preterite tense (past)
  - Direct object pronouns
  - Opinion verbs and frequency expressions

#### **Grammar Focus**

- **Tenses:** 
  - o **Present:** juego, veo, uso
  - Near Future: voy a jugar, vamos a ver
  - o Preterite: jugué, vi, usé
  - o Imperfect: jugaba, veía
- Direct Object Pronouns: lo, la, los, las
- Comparatives: más... que, menos... que
- Superlatives: el más interesante, la mejor película

## Phonics Tips

- Vowels: a, e, i, o, u
- Diphthongs: ai, ei, ia, ie, ua, ue, io, iu
- Stress Patterns: Learn where to place emphasis in words
- Spelling Changes: -qué, -gué in the preterite
- Cognates: Words that look similar in English and Spanish

#### Assessment Tasks

- Speaking: Talk about your hobbies, technology use, and a film
- Writing: 90–150 word tasks using 3+ tenses
- Reading & Listening: Understand vocabulary and grammar in context
- Translation: English ↔ Spanish using familiar structures

## ▼ Top Tips for Success

- Use **sentence builders** to structure your answers
- Practice **phonics** to improve pronunciation
- Revise vocabulary regularly using flashcards or apps
- Try writing in 4 tenses (present, past, near future, imperfect)
- Watch Spanish films and explore cultural topics

## **French Revision**

### Key Topics Covered

#### 1. KS3 Recap

- Vocabulary: Name, age, birthday, hair and eyes, where I live, family members and age, pets and description, jobs, personality, clothes, free-time, weather, daily routine, next weekend, last weekend
- Grammar: adjective agreements, present tense, reflexives, past tense, near future tense

#### 2. Tu as du temps à perdre?

- Vocabulary: Social media, gaming, sports, music, shopping, TV, film, food, tourist attractions
- **Grammar:** 
  - Present tense (regular & irregular verbs)
  - Perfect tense (with avoir and être)
  - Near future tense
  - Negatives and question formation
  - Using opinion verbs with nouns and infinitives

#### **Grammar Focus**

- Tenses:
  - o **Present:** je joue, je fais, je regarde
  - Perfect: j'ai joué, je suis allé(e)
  - o Near Future: je vais jouer
  - o Imperfect: je jouais, j'allais
- Negatives: je ne regarde pas, je n'ai rien fait
- Questions: Qu'est-ce que tu fais ?, As-tu regardé ?
- Comparatives: plus... que, moins... que
- Superlatives: le meilleur, la plus intéressante

## Phonics Tips

- **Silent Letters:** Final s, t, x often silent
- **Liaison:** Link final consonants to vowels (e.g. *vous avez*)
- **Common Sounds:** 
  - o é (as in été)

Nasal vowels: an, on, in, un

o qu, j, u vs ou

o Elision with h (e.g. l'homme)

#### Assessment Tasks

- **Speaking:** Answer questions in 3 tenses
- Writing: 90–150 word tasks using 3+ tenses
- Reading & Listening: Understand vocabulary and grammar in context
- **Translation:** English ↔ French using familiar structures

## **▼** Top Tips for Success

- Use **sentence builders** to structure your answers
- Practice **phonics** to improve pronunciation
- Revise vocabulary regularly using flashcards or apps
- Try writing in 4 tenses (present, past, near future, imperfect)
- Watch **French films** and listen to French music to build cultural awareness

## **Maths Revision**

Topics that will be tested in the summer exam:

Year 9 HIGHER TOPICS				
Algebra	Geometry	Number	Data	Ratio/Proportion
<ul> <li>Solve quadratic</li> <li>Form an equation</li> <li>Algebraic fractions</li> <li>Graphing Inequalities</li> <li>Inequalities</li> <li>Drawing quadratic graphs</li> <li>Rearranging</li> <li>Equation of a straight line</li> </ul>	<ul> <li>Volume of 3D shapes</li> <li>Area of 2D shapes</li> <li>Similar triangles</li> <li>Angles in Polygons</li> <li>Transformations</li> </ul>	<ul> <li>Fractions</li> <li>Indices</li> <li>Multiplication and division with decimals</li> <li>Standard form</li> <li>Bounds</li> <li>Error intervals</li> <li>HCF and LCM</li> </ul>	Scatter graphs	<ul> <li>Percentage change</li> <li>Use of ratio</li> </ul>

Year 9 FOUNDATION TOPICS				
Algebra	Geometry	Number	Data	Ratio/Proportion
Linear sequence     Expanding / factorising     Solve two step equation     Simplify     Indices     Inequalities on a number line	<ul> <li>Name 2D and 3D shapes</li> <li>Use of Scale drawing</li> <li>Enlargement</li> <li>Convert units of length</li> <li>Order decimals</li> <li>Reflection</li> <li>Angle facts</li> </ul>	<ul> <li>Convert between %, decimals and fractions</li> <li>Order numbers by size</li> <li>Rounding</li> <li>Square numbers</li> <li>Fraction of an amount</li> <li>Triangular numbers</li> <li>Factors and multiples</li> <li>BIDMAS</li> <li>Write one quantity as</li> </ul>	<ul> <li>Interpret a bar chart</li> <li>Interpret pictogram</li> <li>List possible outcomes</li> <li>Use a twoway table</li> <li>Line graph</li> <li>Interpret a pie chart</li> </ul>	<ul> <li>Money problem</li> <li>Use of ratio</li> <li>Speed calculation</li> <li>Real life graphs</li> </ul>
		<ul><li>a fraction of another</li><li>Use a calculator</li><li>Compare fractions</li></ul>		

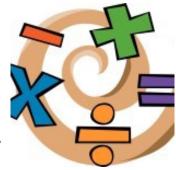
For more detail on the topics above, ask your teacher.



#### How do I revise for Maths?

- Use the notes in your exercise book. Take note of the 'working out' methods.
- Go through previous homework on Sparx Maths to practice answering questions.
- Use the independent learning on Sparx maths (videos and online tasks). Check in with your teacher if you are unsure about anything.
- Use MathsWatch to support your revision. There are fantastic one-minute clips on all topics.





To revise Maths, you MUST 'do' Maths. You can't just read from your exercise book.

#### **Equipment needed:**

Pen, pencil, eraser, pencil sharpener, ruler, compass, protractor, calculator.



## **Science Revision**

At this stage, you are all studying Combined Science AQA Trilogy. You will sit one paper with questions from all three sciences on the paper.

Topics that will be tested in the summer exam:

#### Biology:

B1: Cell Biology B2: Organisation

#### **Chemistry:**

C1: Atomic Structure

C2: Bonding and Structure

#### **Physics:**

P1: Energy P2: Electricity

P3: Particle Model of Matter

#### **Useful Revision Websites:**

- https://www.physicsandmathstutor.com/
- https://www.primrosekitten.com/?srsltid=AfmBOorKU\_5KpdbLSM5l8oVtvoyC6prtBAbQRla1y 7TXDFK4EVr2Sh0U
- <a href="https://cognitoedu.org/home">https://cognitoedu.org/home</a>
- https://www.cgpbooks.co.uk/resources/free-gcse-science-10-minute-tests
- https://www.bbc.co.uk/bitesize/examspecs/z8r997h



## **History Revision**

### What you need to revise:

- 1. You will have **recall questions** linking to content that you have studied from **across Year 9**.
- 2. You will then have an **extended writing** task focusing on:
  - World War Two



#### Content to revise:

#### **Turning points of World War Two.**

For example:

• Dresden, Operation Barbarossa, the Battle for Crete, Dunkirk and others we have looked at

#### The role of women and ethnic minorities in World War Two

For example:

 Bletchley Park, Secret Spitfires in Salisbury, female spies, the role of the empire in winning the war

#### Key historical issues to consider when revising:

- Significance how importance were these elements of WW2?
- Change and continuity what changed as a result?
- Cause and consequence what led to the situation and what happened afterwards?
- Chronology what is the context in which it happened?



## **Geography Revision**

#### **Tectonics:**

- Structure of the Earth
- Different types of tectonic plate boundary
- Benefits of living near volcanoes
- Impacts of the Haiti earthquake
- Impacts of the Boxing Day Tsunami

#### **Climate Change:**

- Natural and human causes of climate change
- Evidence for climate change
- Impacts of climate change
- Impacts of climate change for the UK
- Mitigation and Adaptation in response to climate change

#### **Rivers:**

- The water cycle
- Drainage basins
- The long profile of a river
- River processes (transport and erosion)
- How landforms along a river form
- · The causes and effects of flooding
- Flood management

#### WHAT SKILLS YOU NEED TO FOCUS ON:

#### Exam skills:

Command words e.g. 'List', 'Describe', 'Compare', 'Explain', 'Sequence'

#### Geographical vocabulary:

Key words for processes of erosion and transportation.

#### Structuring an answer:

- Logical sequencing (firstly, secondly, finally...)
- Appropriate use and annotation of diagrams
- Use key words and terminology, e.g. named processes, named examples.



## **Art & Computer Science Revision**

#### **Art Revision**

#### Final response

Students will engage with the theme of 'Sweet treats' through the work of artist Sarah Graham. They will investigate her techniques and the design elements she uses. Drawing inspiration from various resources, students will create their own unique 'Sweet Treat' image, resulting in a final piece.



#### **Computer Science Revision**

The Computer Science exam will focus on areas that we have covered so far this year:



#### Chapter 1 - Problem Solving

- Representing Algorithms
  - o What are the 4 concepts that make up Computational Thinking?
- Understanding Algorithms
  - o What is an algorithm?
  - o What makes an Algorithm work?
- Searching Algorithms
  - o What are the 2 types of 'search algorithms' that we looked at?
  - o How do they work?
  - o What are their advantages and disadvantages?
- Sorting Algorithms
  - o What are the 2 types of 'sorting algorithms' that we looked at?
  - o How do they work?
- Truth Tables
  - o Be able to complete a 2 / 3 combination gate truth table.

You will be given more information on specific areas closer to the time of the exam.



## Food Technology Revision

#### WHAT YOU NEED TO REVISE:

You will be asking a mock GCSE question paper. This will consist of 20 multiple choice questions followed by a series of longer, exam style questions. Some will involve one-word answers, some will involve longer answers that involve you constructing a response worth up to 8 marks.



All of the questions that will be in the test will be based on information that can be found in your project booklets or that you will have covered in homework tasks. To revise please read your project booklets and ensure you have a good knowledge of the following topics we have covered this year.

- Health and safety in the food room
- Food science including Raising agents, Gelatinisation, Denaturisation of proteins etc
- Food provenance (where food comes from)
- The Eatwell guide and nutrition
- Food and religion
- Dietary guidelines
- Obesity
- Vitamins, including fat and water soluble
- Staple foods

#### WHAT SKILLS YOU NEED TO FOCUS ON:

- **Knowledge** Do you know the keywords & terminology of the topics listed above?
- **Describe** Can you describe the topics listed above and place them into context of your cooking or feeding yourself?
- Explaining Can you explain your answers using specific PEE chains when necessary?
- Analyse Can you analyse your answers to suggest improvements?



## Sociology Revision

Your paper will focus on Stratification only and the different theoretical approaches to this. Ensure you have revised the key vocabulary used within the topic.



You should be able to recognise and comment on the different views and perspectives of how society is divided up by class, be able to identify and use the names of sociologists and what they believe about how society is divided and organised (think Marx and Weber).

Make sure you are confident at least with the Marxist and Functionalist view of how society is organised and know the similarity and differences of these two sociological perspectives.

You should also revise the discussion surrounding if class still exists in the UK or does it not exist, how are people affected and grouped in the UK?

There will be two 9 marker questions, these need detailed P.E.E.L. and an overview conclusion. The test will be 40 minutes with 10 minutes for those who require extra time.



## **Drama Revision**

You will be assessed on your Component 1 Mock Exam Devised Performance and Portfolio of Evidence. 40% of the GCSE.

To revise for this, you should ensure you know all your lines and movements you will achieve this through rehearsing with your group frequently. You should also ensure that you have consistently used the practitioner or genre techniques in each scene.

You will also be assessed on your Portfolio of Evidence which makes up 50% of the marks for this Component. You will be given writing scaffolds like the one below and examples to support you with this in lesson time.

#### **POINT**

This is where you make it clear to the examiner that you are aware of what the question is asking of you. Make sure your point links to the wording of the question.

- One idea that was researched and developed in response to the stimulus 'behind the door' was...
- Another idea I personally had was...
- One Rehearsal technique we explored was...
- One way I developed my physical skills was...
- An idea we refined during the rehearsal process was...
- I communicated the meaning of our chosen genre by...

#### **EVIDENCE**

This is where you include evidence to support the arguments you make. This evidence can usually be your illustrative material.

- The reason for this is that...
- One way I researched/developed this idea was by...
- This is shown in my photo of...
- YouTube
- Films/Books
- Facts
- Professional Productions
- Script
- Rehearsal

#### **EXPLAIN**

This is where you explain how the evidence you have used links to the question asked. It is best practice to use the wording in the question again to show the examiner that you have clearly understood the question and that you can justify why you have used your chosen piece of evidence.

- This helped to develop the piece by...
- This clearly shows that....because...
- This helped us develop the stimulus by...
- This helped us to incorporate the genre of TIE/Physical Theatre by... due to this, we amended our piece, and it was improved by...



## **Dance Revision**

For your exam you will be filmed and assessed on the set phrases. You will also sit an exam on the following skills which reflects section A of your official exam.

#### Safe working practices

Warmups / cool downs / hazards / nutrition and hydration



#### **Physical Skills**

Posture / alignment / co-ordination / balance / flexibility / extension / isolation / mobility / elevation / stamina / strength / control

#### Technical skills

Actions / dynamics / space / relationships / choreographic devices

#### **Expressive skills**

Projection / focus / spatial awareness / facial expression / phrasing / musicality / sensitivity / communication of choreography

#### **Mental Skills**

Movement memory / commitment / concentration / confidence

#### **GCSE DANCE:**

You will be assessed on Section A of a mock paper. This will include the following:

#### <u> Part 1</u>

You will be given a stimulus, and you must answer questions on your ideas based on that stimulus.

#### Example questions:

- Outline a dance idea/theme
- · How would you structure your dance?
- Give 2 ways relationships could be used to show your theme
- Describe a motif you could use to show your theme
- Describe an ending to the dance
- Describe an aural setting



#### Part 2

#### Testing knowledge and understanding of performance skills

#### Performance skills include:

- Physical skills: Posture / Alignment / Extension / Balance / Coordination / Control / Flexibility / Strength / Stamina / Mobility / Isolation
- Technical skills: Actions / Dynamics / Space / Relationships
- Expressive skills: Focus / Musicality / Projection / Emphasis / Spatial Awareness / Facial expression / Phrasing / Sensitivity to other dancers / Communication of intent

#### Example questions:

- · Define 'elevation'
- Give advice for a dancer moving safely from standing to floor work
- Tick the correct definition of focus

There will be only 1, 2, 3 marks in this section.

# Good luck – you'll be great!

Please remember to ask your teachers if you need any help.

