Great Sankey High School Year 10 Spring Assessments



Revision top tips

Get organised!

- Put the assessment dates in your calendar on your phone.
- Make a realistic revision timetable:
 - About 30 minutes per day
 - Specific activities to learn specific things e.g. flash cards to remember definitions of key words about Power in History.
- Have your books, knowledge organisers and other revision resources ready.

Be active!

Making your notes look pretty is a nice thing to do, but that alone won't help you learn. You need to do something active with the information you're trying to remember.

The best active revision techniques:

- Make good flashcards: Click here and here for more information
- Use a graphic organiser: Click here for more information and templates
- Some expert advice here
- Test yourself it takes effort to remember something, and this helps to strengthen your memory. Test with your friends. Give your notes to someone at home and get them to test you!

Top tips!

- Help yourself: Make a dedicated revision space, studying in tidy surroundings will help you concentrate. If you can't do this at home, you can use the library after school every day of the week.
- Challenge yourself: people spend too much time revising what they know because it feels comfortable. Concentrate on the topics you struggle with first, it's harder, but worth it.
- **Reward yourself:** do something you really enjoy after revising. This will help motivate you to get it done!
- **Relax:** Feeling anxious? Follow this <u>link</u> for some expert advice or speak to your teachers. Please don't worry in silence!

| | <u>Art</u> | |
|--------------------|--|--|
| Topics to revise | We do not need you to revise but we do need you to: Complete your DIRT tasks in your sketchbook. We will always grade where you are up to not just the piece you have produced. Practice your composition ideas. Write down your thoughts and ideas. Practice with the materials you will use, evaluate your practice pieces. Have a plan for your piece. You should not be sitting your mock without having worked towards it, we do not make it up on the day. Trust us, this never ends well. You will plan for a tonal drawing piece. | |
| Revision Resources | DIRT sheets and post-it notes in your book. You tube videos about drawing. https://youtu.be/4-jtQVqbAQE?si=Qids-BzxJRPR0nPn https://youtu.be/ibKZ8HJMFWo?si=ZxyrV7vzn0DWitwX https://youtu.be/vF73b0Pywzs?si=kXnH43Bu9JJGWcpk | |

Biology

70% of the test will be the topics you have completed in Year 10:

Health & Disease

- Health and disease
- Communicable
- Fungal and protist
- Viral diseases
- Bacterial
- <u>Immune system</u>
- Vaccines
- <u>Lifestyle and disease</u>
- Cancer
- Drugs
- Drug development and testing

Photosynthesis

- Photosynthesis
- Factors affecting photosynthesis
- Metal Oxides (reduction)

Respiration

- Respiration
- Oxygen debt

30% of the test will be on the topics from KS3. (These may not all come up)

- Cells and cell division
- Transport into cells
- Digestion and enzymes
- Respiratory system
- Circulatory system
- Plant transport

Useful revision resources:

- Knowledge organisers
- Exercise book and resources from class
- Websites: <u>BBC bitesize</u>, <u>Cognito</u>, <u>Save my exams</u>, <u>Seneca</u>
- <u>www.kerboodle.com</u> (Log in should be provided by class teacher) the class textbooks are available on this site

| Business Studies | |
|--------------------|--|
| Topics to revise | Paper 1 - Theme 1 |
| | |
| | 1.1.1 The dynamic nature of business |
| | 1.1.2 Risk and reward |
| | 1.1.3 The role of business enterprise |
| | 1.2.1 Customer needs |
| | 1.2.2 Market research |
| | 1.2.3 Market segmentation |
| | 1.2.4 The competitive environment |
| | 1.3.1 Business aims and objectives |
| | 1.3.2 Business revenues, costs and profits |
| | 1.3.3 Cash and cash-flow |
| | 1.3.4 Sources of business finance |
| | You need a calculator for your assessment! |
| Revision Resources | Tutor2U |
| | GCSE Bitesize |
| | Class Microsoft Teams |
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Chemistry

70% of the test will be the topics you have completed in Year 10:

Atomic Structure & Properties

- History of the Atom
- <u>Electron Structure</u>
- <u>Elements, Isotopes & Relative Atomic Mass</u>
- Atoms into lons
- Group 1
- Group 7 & Group 0

Structure & Reaction of Metals

- Metallic Bonding and Properties of Metals
- Reactivity Series & Displacement Reactions (Redox for Higher)
- Metal Oxides (reduction)

Unit 7: Structure and Reactios of Ionic Substances

- Ionic Bonding
- Giant Ionic Lattices & properties
- Salts from Bases (acids and alkalis)
- CR2: Making Salts (required practical)
- Strong and Weak Acids (higher)

30% of the test will be on the topics from KS3. (These may not all come up)

- History of the Periodic Table
- **Separating techniques:** Atoms, Elements, Compounds and Mixtures, Distillation Filtration & Crystallisation, Chromatography
- States of Matter

Useful revision resources:

- Knowledge organisers
- Exercise book and resources from class
- Websites: BBC Bitesize, Cognito, Save my Exams, Seneca
- <u>www.kerboodle.com</u> (Log in should be provided by class teacher) the class textbooks are available on this site

| Design Technology | |
|--------------------|--|
| Topics to revise | You will have one 50-minute paper. This will include a mixture of multiple-choice questions, long and short answers. The topics covered so far are: • Technology in Manufacturing • Production Systems CAD/CAM • Product Sustainability • Product Sustainability and Social Issues • Products in Society • Powering Systems |
| Revision Resources | Tutor2U GCSE Bitesize Class Microsoft Teams |

| Drama | | |
|--------------------|---|--|
| Topics to revise | Written Examination – Revision List | |
| | 1- Knowledge and Understanding of Drama Terminology Physical Skills Vocal Skills Interaction Rehearsal and Performance techniques | |
| | Staging types Mood and Atmosphere Lighting, Sound and Set Design (e.g. Different lighting and set) Costume, Make-up and Hair (Colour, Cut, Fit, Condition/Material examples) | |
| | 2 – Noughts and Crosses The context and themes of the play. | |
| | Written by and adapted by. Original Staging/Style of the 2019 production. Original Set and Lighting of the Production | |
| | Understanding of the characters- including the relationships, status and motivations in scenes. | |
| Revision Resources | Tier 3 Vocabulary Booklet BBC Bitesize – Drama Emotion/Physical Skills cheat sheet. Look back over do-now tasks to revise gaps in knowledge. Look back over past assessments to revise gaps in knowledge. | |
| | Practise designing sets and costumes for each character/scene. Create character profiles and emotion graphs for each character. | |

Read Noughts and Crosses and annotations made from lesson.

English Language and Literature

Topics to revise

You will be having your first year 10 assessment week commencing 15th January 2024 for two weeks. You will have two papers: one for English Language and one for English Literature. The assessments will take place in your English classroom with your class teacher. Please make sure you all have your equipment including a pen and a highlighter.

For English Language, you will need to revise how to answer questions 1, 2 and 3 from English Language Paper 1. The three reading questions will be based on an extract from an unseen fictional text. You can use your booklets from the first half term to help you revise and these links to revision tutorials with Mr Bruff:

Question 1 List - https://www.youtube.com/watch?v=hMhQIX9DCcQ

Question 2 Language - https://www.youtube.com/watch?v=LdE68iUg-k

Question 3 Structure - https://www.youtube.com/watch?v=L1ZEBeVdh8U

For **English Literature**, you will need to revise the novella **A Christmas Carol**. You can use your books to help you revise, GCSE pod and the revision videos on the links below. You will be required to answer a question on the presentation of Scrooge's

Revision Resources

To help you revise, you can use your copy of *A Christmas Carol*, your classwork books, Flipsco revision cards available at https://flipscocards.com/product/a-christmas-carol/ and the online resources from Mr Bruff:

https://www.youtube.com/watch?v=F2kuQSbazUo&list=PLqGFsWf-P-cBhNFIdX59nQmTodoDmDQsh

https://www.youtube.com/watch?v=F2kuQSbazUo

character in an extract, and in the wider text.

Food Preparation and Nutrition

Topics to revise

In your January Assessment you will be tested on your knowledge from the first 3 units we have covered. These units are:

- Unit 1 The Eatwell Guide & Carbohydrates
- Unit 2 Protein
- Unit 3 Fats, Vitamins and Mineral

Revision areas to focus on are:

- The Eatwell Guide
- The 8 Healthy Eating guidelines
- Carbohydrates Nutrition and Science (Caramelisation, Dextrinisation & Gelatinisation)
- Proteins Nutrition & Science (Denaturation, Coagulation, Syneresis, Gluten & Foam formation)
- Fats Nutrition & Science (Plasticity, Shortening, Aeration and Emulsification)
- Heat Transfer & Cooking Methods
- Vitamins & minerals
 - Fat soluble vitamins (ADEK)
 - Water soluble vitamins (BC)
 - Antioxidants (ACE)
 - o Calcium, iron, sodium, folate, phosphorus, iodine

Revision Resources

You have access to all the PowerPoints on Teams

Access to GCSE Pod – also available on teams as downloads.

Seneca Learning

| Topics to revise Education | |
|---|--|
| - School subjects and oninions | |
| School subjects and opinions | |
| Opinions on school | |
| Describing your school | |
| School facilities | |
| School Uniform and school rules | |
| Future plans- college | |
| Travel and Tourism | |
| Countries and transport | |
| Accommodation | |
| Holiday activities | |
| Talking about holiday in the present tense | |
| Taking about a past holiday | |
| Opinions in present and past tense | |
| Talking about a future/dream holiday | |
| <u>Grammar</u> | |
| Present tense | |
| Future tense | |
| Conditional Tense | |
| Past tenses – both Imperfect Tense (I used to do) and Passé compose (I did) | |
| A range of adjectives | |
| Modal Verbs | |
| Other complex language throughout books | |
| Revision Resources | |
| Languagenut.com (vocab) | |
| Languagesonline.org.uk (grammar) | |
| Exercise book | |
| Kerboodle.com | |
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| Geography | , |
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Topics to revise

Units Tested:

Paper 1, Section A (Natural Hazards)
Paper 2, Section A (Urban Issues)

Sub-units to revise using your exercise book/revision guide:

- Natural hazards
- Plate tectonics
- Plate margins
- California 2019
- Gorkha 2015
- Reducing hazard risk
- Global atmospheric circulation
- Tropical storms
- Hurricane Maria
- Reducing the effects of tropical storms
- UK weather hazards
- River Tees 2012
- HICs and LICs around the world and their urban areas
- Development measures and their influence on urbanisation
- Location and importance of Nigeria
- Urban growth and opportunities in Nigeria
- Urban growth and challenges in Nigeria
- Environmental effects in Nigeria
- Urban planning case study to improve quality of life for urban poor in Lagos, Nigeria
- Distribution of UK's major cities
- Changes in an urban city: Liverpool
- Socio-economic and environmental challenges of urban change
- Urban regeneration in Liverpool
- Sustainable urban living in Liverpool

Revision Resources

Some useful revision resources:

- 1. CGP Geography AQA Revision guide.
- Revision cards Collins Revision cards AQA Geography.
- 3. GCSE POD (Geography Section) Complete the POD's under the headings of 'Natural Hazards' & 'Urban Issues & Challenges'
- 4. www.internetgeography.net
- 5. Access past papers on the following website:

https://www.aqa.org.uk/subjects/geography/gcse/geography-8035

| | <u>History</u> |
|-----------------------|---|
| Topics to revise | Magna Carta The Origins of Parliament The Peasants' Revolt Pilgrimage of Grace English Civil War American Revolution The Chartists Anti-Corn Law League The Abolition of Slavery Factory and Social reform Tolpuddle Martyrs Trade Unions Women's Rights Trade Unions 20th Century Minority Rights |
| Revision Resources | Class workbooks Educake quizzes Power and the People revision guides: https://www.amazon.co.uk/Oxford-AQA-GCSE-History-c1170-Present/dp/0198432909 https://www.amazon.co.uk/Revise-AQA-GCSE-History- Britain/dp/1292242949/ref=sr 1 1?crid=3DIMI5MZUQSHJ&keywords=pearson+power+and+the+people+revision+guide&qid=1701112537&s=books&sprefix=pearson+power+and+the+people+revision+guide%2Cstripbooks%2C222&sr=1-1 |
| | 4. Youtube links: https://www.youtube.com/playlist?list=PL77urHOUHBAruU0XIWrkQ0TtAhiY6zKS6 https://www.timelines.tv/ |

Mathematics: Higher

Topics to revise

You will have two papers, one being a non-calculator paper and the other a calculator paper. Both papers will be 40 marks each and will take place in your classroom with your class teacher. Please make sure you all have your equipment including a calculator for paper 2 only.

Paper 1

Adding, subtracting, multiplying and dividing fractions.

Indices – include fractional and negative

Inequalities

Probability – all

Rearrange formula – include complex

Recurring decimals to a fraction

Simultaneous equations – include graphical

Standard form – convert and calculate

Surds

Transformations – including column vectors

Paper 2

Percentages including amounts, increase, decrease, change, reverse, simple interest and compound interest

Probability – all

Pythagoras Theorem

Ratio and proportion – include (k)

Regions – inequalities

Solve equations including setting up and solving, solving one step, two step, unknowns on both sides and brackets.

Trigonometry - SOHCAHTOA

Revision Resources

SPARX – Log into the independent learning part on Sparx to help you revise these topics. AQA revision books and cards available on Wisepay to purchase. If you have any questions, please ask your class teacher or Mrs Starkey

Mathematics: Foundation

Topics to revise

You will have two papers, one being a non-calculator paper and the other a calculator paper. Both papers will be 40 marks each and will take place in your classroom with your class teacher. Please make sure you all have your equipment including a calculator for paper 2 only.

Paper 1

Adding, subtracting, multiplying and dividing fractions.

Area and circumference of circles in terms of pi

Expand, factorise and solve quadratics

Probability – all

Proportion - Recipes

Ratio – simplify and share into a given quantity

Rearrange formula

Rounding – include error intervals

Paper 2

Area and perimeter of shapes including circles, semi circles and quarter circles.

Best buys

Inequalities – include solve

Percentages including amounts, increase, decrease, change, reverse, simple interest and compound interest.

Probability – all

Solve equations including setting up and solving, solving one step, two step, unknowns on both sides and brackets.

Revision Resources

SPARX – Log into the independent learning part on Sparx to help you revise these topics. AQA revision books and cards available on Wisepay to purchase. If you have any questions, please ask your class teacher or Mrs Starkey

Music Technology

Topics to revise

Written Examination - Revision List

Content Area 1 – Introduction to Music Technology and the Music Business

- Job roles and responsibilities
- Development of music technology
 - o Development of recording technology and consumer formats
- Music Business
 - Marketing
 - Promotion
 - Selling and Distributing Music

Content Area 2 - The Digital Audio Workstation

- Hardware components of the DAW
- Software features of the DAW
 - Track Types
 - Editing Tools
 - Instrument Plug-Ins
 - Effects Plug-Ins

Content Area 3 – Musical Elements, Musical Style and Music Technology

- Musical elements
 - Structural sections
 - o Form
 - Melody
 - Harmony
 - o Rhythm
 - Instrumentation
 - Musical elements and styles
 - Musical elements and styles
 - Musical elements and technologies

Practice NEA (Non-Exam Assessment)

A 3-hour task in which you will be asked to create an original musical idea to a brief and write about what you have done using musical and technical vocabulary. This will be your first experience of an NEA-style task.

Revision Resources

Quizlet sets containing key vocabulary for each content area (search MrBryanGSHS)

- Lesson PowerPoints saved in Shared Folder.
- Example exam-style questions in Teams classroom.
- Look back over do-now tasks to revise gaps in knowledge.
- Look back over past assessments to revise gaps in knowledge.
- Practise creating muscial ideas using Pro Tools software, or BandLab Education at home.

Photography Topics to revise We do not need you to revise but we do need you to: 1. Complete your DIRT tasks in your project PowerPoint. We will always grade where you are up to not just the piece you have produced. 2. Complete your contact sheet. Which photograph will you edit and why? Write down your thoughts and ideas. 3. Practice with the editing process at home using your school account. 4. Have a plan for your piece. You should not be sitting your mock without having worked towards it, we do not make it up on the day. Trust us, this never ends well. 5. You will use photoshop to edit on of your photographs linked to your chosen Photographer. Editing video ideas: Revision Resources https://youtu.be/Cem_jHe0CNo?si=IP6p2kZhXOyQd44E https://youtu.be/I0w9lqFnCjU?si=dygLseTfwsMVi7Jo https://youtu.be/h0KzeUe40VM?si=rjr2XwrNEZdHNzGJ https://youtu.be/2yQMOmO8rLQ?si=Ee2PO5yJtWxn4F8g https://youtu.be/rgnVzhV3fhU?si=TAi7DF-U0RJR3xMe Check out the tutorial on YouTube created by Quintin Carpenter.

| Physics | |
|--------------------|--|
| Topics to revise | 70% of the test will be the topics you have completed in Year 10: |
| | Motion |
| | • Speed, distance- time, and velocity- time graphs, acceleration |
| | Electricity |
| | <u>Circuit basics, current and charge, Potential difference, resistance, IV</u> |
| | <u>characteristics</u> , <u>series</u> and <u>parallel</u> circuits |
| | Thermal energy |
| | Conduction, convection and radiation, Specific heat capacity, specific latent heat. |
| | 30% of the test will be on the topics from KS3 |
| | (These may not all come up) |
| | Energy- Energy stores, GPE, Kinetic energy, efficiency and power |
| | Forces- scalers and vectors, Newton's Third law, Newton's First law (not |
| | second), <u>Hooke's Law</u> |
| | Waves – <u>longitudinal and transverse</u> |
| Revision Resources | Useful revision resources: |
| | Knowledge organisers |
| | Exercise book and resources from class |
| | Websites: <u>BBC Bitesize</u>, <u>Cognito</u>, <u>Save my Exams</u>, <u>Seneca</u> |
| | • <u>www.kerboodle.com</u> (Log in should be provided by class teacher) - the class |
| | textbooks are available on this site |
| | |
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Psychology

Topics to revise

This assessment will have content from Psychological problems (paper 1) and Experimental Research methods (paper 2)

•Psychological problems (paper 1) - 40 marks •Research Methods (Paper 2) - 10 marks

You will have 50 minutes to complete the test.
Psychological problems Research Methods

Depression:

•Definitions, symptoms, levels of depression, reasons for increase and effects on individuals and society

Drug treatment including evaluations

CBT treatment including evaluations

Caspi study

Addiction:

Definitions, types, symptoms

SLT explanation including strengths and weaknesses

•CBT for addiction

Experimental Research methods

Variables – independent and dependent

Hypotheses

Experiment types

•Experimental design

Sampling

Revision Resources

Revision Tips / resources

- **Create something new:** Just sitting and re-reading your notes isn't revision! Make something new a knowledge organiser, a concept map, flashcards, a quiz... anything that makes you work with the knowledge actively.
- Put 100% into your homework: don't rush the A3 sheets and Q and As. Take your time to answer using your own knowledge, activity booklet and core notes. Do not google as this won't provide the answer the exam board is looking for!
- **Practice Exam skills:** use the exam skills we have taught you in lesson e.g. for questions with a scenario, use your 1. Knowledge, 2. Relate and when a question asks for a conclusion, use 1. State conclusion 2. Justify conclusion with data.

Resources: your core notes and activity booklets are the best resource! Make use of our SharePoint site that has all resources including revision, PowerPoints, exam papers and more. Link will be put in TEAMs.

| Religious Studies | | |
|-------------------|--|--|
| Topics to revise | Retrieval topics from year 9 will include: | |
| | <u>Christian Beliefs</u> | |
| | - The nature of God | |
| | - God as omnipotent, loving and just | |
| | - The afterlife | |
| | - Heaven and hell | |
| | | |
| | Topics Year 10 | |
| | Christian Practices | |
| | - Worship | |
| | - Pilgrimage | |
| | - Festivals | |
| | - Mission and evangelism | |
| | - Church growth | |
| | - The Church's response to world poverty | |
| | Relationships and the Family | |
| | - Human sexuality | |
| | - Sexual relationships before and outside of marriage | |
| | - Contraception, Marriage | |
| | - Divorce and remarriage | |
| | - The nature and purpose of families | |
| | - Gender equality | |
| | | |
| Revision | Your religious studies exercise book and revision handouts | |
| Resources | Online knowledge organisers | |
| | 1. BBC Bitesize | |
| | 2. www. revisionworld.com/gcse-revision/rs-religious-studies | |
| | 2 Consideration | |

5. <a href="https://www.aqa.org.uk/subjects/religious-studies/gcse/religious-gcse/reli

3. Seneca learning4. GCSE Pod

studies-a-8062

| <u>Spanish</u> | |
|--------------------|---|
| Revision Resources | Education School subjects and opinions Opinions on school School facilities Future plans- college/ university/ apprenticeship Travel and Tourism Countries and transport Accommodation Holiday activities Talking about holiday in the present tense Taking about a past holiday Opinions in present and past tense Grammar Present tense Future tense Future tense Past (preterit) tense A range of adjectives Verbs of obligation (have to/ must) Languagesonline.org.uk (grammar) Exercise book Kerboodle.com |

Sport Studies

This assessment will have content from Fitness and body systems (paper 1) and Health and performance (paper 2)

- Fitness and body systems (paper 1) 30 marks
- Health and performance (Paper 2) 20 marks

You will have 50 minutes to complete the test.

Topics to revise:

Fitness and body systems (paper 1)

- Relationship between health and fitness.
- Components of fitness.
- · Principles of training.
- Fitness tests.
- Training Thresholds.
- Methods of training.
- Injuries.
- Drugs in sport.

Useful revision resources:

- Class work books
- GCSE Bitesize
- GCSE Pod

Topics to revise:

Health and performance (Paper 2)

- Physical, emotional and social health.
- Impact of fitness on wellbeing.
- Lifestyle choices.
- Consequences of a sedentary lifestyle.
- Diet.

| <u>Textiles</u> | |
|--------------------------------------|--|
| Topics to revise Revision Resources | We do not need you to revise but we do need you to: 1. Complete your DIRT tasks in your sketchbook. We will always grade where you are up to not just the piece you have produced. 2. Practice your composition ideas. Write down your thoughts and ideas. 3. Practice with the materials you will use, evaluate your practice pieces. 4. Have a plan for your piece. You should not be sitting your mock without having worked towards it, we do not make it up on the day. Trust us, this never ends well. 5. You will plan for a mini final piece based on your planning |
| | |