

HELSEBY

High School



Achieving Success
Valuing Others

2023 - 2024

Year 10

Quick Guide

Preparation for

Assessment 1

Art and Photography

Students will be assessed on the application of skills and processes undertaken so far.

Photography - Frid 12th p3 10B/py1 HAD, Mon 15th wk1 p5 HAD

Art –

10A/Ar1 Mon 8th p5 JMN, Wed 17th p2 NGA

10A/Ar2 Mon 8th p5 SRA, Wed 17th p2 SRA

10B/Ar1 Wed 10th p1 SRA, Fri 19th p3 NGA

Business

Topic: Quantitative skills

- Percentages
- Costs, Revenue and Profit
- Break Even

Students should use pages 17-20 in their revision guide to help them to prepare for this assessment and learn the formulas using the formula sheet they have been given in class.

Resources: <https://www.bbc.co.uk/bitesize/topics/zdnmqp3>

<https://www.businessed.co.uk/index.php/home/theory/gcse/edexcel-gcse-9-1-theory-notes-public#1-3-putting-a-business-idea-into-practice>

Computer Science

Students will be assessed on all the work completed so far and will include the following topics:

Fundamentals of data representation

- 3.3.1 Number bases (pages 38, 41)
- 3.3.2 Converting between number bases (pages 38, 41-42)
- 3.3.3 Units of Information (page 37)
- 3.3.4 Binary arithmetic (page 39)
- 3.3.5 Character encoding (page 43)
- 3.3.6 Representing images (page 44)
- 3.3.7 Representing sound (page 45)
- 3.3.8 Data compression (pages 46-48)

Computer systems

- 3.4.1 Hardware and software (page 50)
- 3.4.2 Boolean logic (pages 34-36)
- 3.4.3 Software classification (pages 57-59)
- 3.4.4 Classification of programming languages and translators (page 60)
- 3.4.5 Systems architecture (page 50-56)

Students have a full set of class notes, and each one has been given a revision book. The numbers above refer to the page reference for this.

Videos of the whole course can be found here:

https://www.youtube.com/@craigndave/playlists?view=50&shelf_id=3

Design & Technology / Food Studies / Health and Social Care

Yr10 Assessment Window January 2024 – Technology Faculty

Subject	Group codes	Assessment details	When
D&T	10A/Dt1 Mr Kelly 10B/Dt1 Miss Beardmore	<ul style="list-style-type: none">1x 60 minute - written assessment made up of multiple choice, short and long response questions. Topics to include: Practical operations, Timbers, Material properties, quality control including tolerance, sustainability and the environment, mechanical devices, CAD, CAM, standard components and design communication.Completed mock NEA sections will also be considered and form part of the assessment grade reported.	10A/Dt1 Monday 8 th January. Period 4/5 10B/Dt1 Monday 15 th January. Period 4/5
Food	10B/Fs1 Mrs Eastwood	<ul style="list-style-type: none">1x 2 hour practical session where pupils make a dish they have planned in response to a set task1 x 50 min written assessment covering the topic of 'starchy carbohydrate foods' (topic area 2)	<ul style="list-style-type: none">Practical assessment Monday 15.01.23 P4+5Written assessment Friday 19.01.23 P3
H&SC	10A/Hs1 Mrs Gilbert	<ul style="list-style-type: none">1x 2 hour slot working on their first live RO35 Health Promotion Campaign NEA task which will form part of their actual final grade. Pupils will continue to work on this assessment throughout January and so it is therefore vital attend every lesson as well as this 2 hour session.	<ul style="list-style-type: none">Monday 8th January periods 4&5 and ongoing in every H&SC lesson

English

Assessment 1: 'A Christmas Carol'

Students will be given a one-hour extract question based on their study of 'A Christmas Carol' by Charles Dickens

Assessment 2: Creative Writing

Students will be given a one-hour paper during which time they will write a piece of creative prose writing.

Preparation for each assessment will take place in lessons and students should use their exercise books and the notes within them to revise.

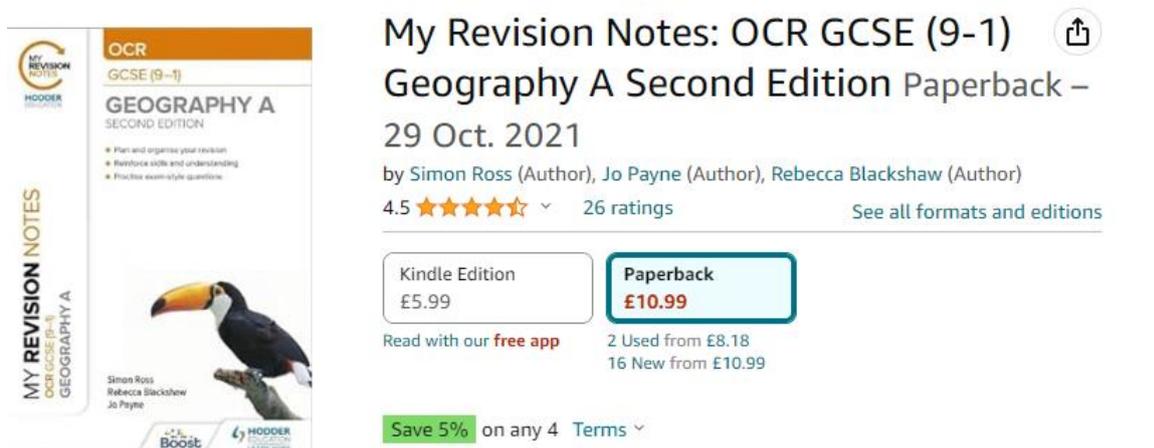
Enterprise and Marketing

1x 1-hour paper on the following topics: Market research, market segmentation, customer profile, design, cost and revenue.

Geography

Students will be tested on the 'Landscapes of the UK' and 'People of the UK' units of work. Students will need to revise from their class exercise books. Additionally, students can make use of the online revision website, GCSEpod.

Students are advised to purchase the following study guide to help support private study:



My Revision Notes: OCR GCSE (9-1) 

Geography A Second Edition Paperback –
29 Oct. 2021

by Simon Ross (Author), Jo Payne (Author), Rebecca Blackshaw (Author)

4.5 ★★★★★ 26 ratings [See all formats and editions](#)

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History

- Students will sit a 50 minute paper on **The People's Health**.
- **All topics covered since September** will be tested and examination style questions will include 1 mark, 9 mark 10 mark and 18 mark questions.
- Students will take their booklets home to revise and will be provided with additional revision resources by their class teacher, to be completed each week in the countdown to the exam. These will also be shared on Class Charts.
- All students should access revision materials on **GCSE Pod** and will be directed to specific revision activities using this resource in addition to those provided in class.

Maths

Higher tier

HCF and LCM by Listing
Simple Index Form
Index Notation
Exchange Rates
Evaluate Rate Change
Translations
Describing Transformations
Errors on Data Representations
Percentage Change and Reasoning
Combining Ratios
Pythagoras and Reasoning
The Equation of a Line
Interpret Gradient in Context
Reverse Percentage
Expanding triple brackets
Tree Diagram Problems
Density and Similar Solids

Foundation tier

Ordering and comparing negative numbers
Equivalent ratios
Finding Factors
Essential Fractions, Decimals and Percentages
Metric Conversions
Money Problems
Read a Pictogram
Pictograms
Complete a Pictogram
Travel Timetables
Worded Formula and Substitution
Inverse Operations
Impossible Events
Probability Scales and Words
Perimeter of a Rectangle
Distance and Speed
Speed
Distance Time Graphs
Proportion Problem Solving 1
Rounding
Significant Figures
Powers, Roots and BIDMAS
Substitution
Proportion Recipe Questions
Angles in Triangles and Quadrilaterals
Drawing Straight Line Graphs
Gradient Problems
HCF and LCM by Listing
Translations
Describing Transformations

Media

Students will be assessed on the topic of Advertising and will need to revise the 2 set text adverts they have studied for their Component One exam (Quality Street and This Girl Can) one of which they will need to compare with an 'un-seen' advert. They will also need to revise subject specific terminology and relevant theory.

The first place to revise this is from their books and folders, then the Eduqas Media GCSE website (link below) and the Mrs Fisher YouTube revision videos, again, linked below:

<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=950>

<http://resource.download.wjec.co.uk.s3.amazonaws.com/vtc/2016-17/gft/eduqas/mediastudies/GCSE%20media%20studies%20Glossary.pdf>

<https://www.youtube.com/watch?v=nKl1BOyaKp8>

https://www.youtube.com/watch?v=0om_glXb0ck

<https://www.youtube.com/watch?v=k9LyEfOPNi4>

<https://www.youtube.com/watch?v=1AHO8rMioSk>

MFL

Y10 French

During the assessment, you will complete a range of reading and listening tasks and a short translation task into English. The tasks are all based on the topics of town/region and holidays. Make sure that you go over the main tenses and negatives, so that you can be sure of what the people are describing.

Revision support materials:

1. Vocab booklets (sections 4 & 5)
2. BBC Bitesize GCSE AQA French (topics of region & holidays)
3. ActiveLearn - Studio 4 Active Learn tasks
4. Quizlet – all sets that have been set on these topics (region & holidays)

Y10 German

During the assessment, you will complete a range of reading and listening tasks and a short translation into English. The content will be drawn from the topics of free time, home and region, lifestyle including use of technology, sport, food & drink and daily routine.

During their revision, students should practise understanding and translating the 3 main tenses (past, present & future), modal verbs, subordinating conjunctions (weil, wenn, obwohl, dass), and opinions (nicht) gern, lieber, am liebsten, with reasons.

Revision support materials:

1. Vocab lists & knowledge organisers
2. Practice written tasks in exercise books
3. Website – BBC Bitesize GCSE AQA German
4. ActiveLearn - Stimmt 4 Active Learn tasks
5. Quizlet – look up any sets linked to Stimmt on the topics above

Music

Year 10	Theatre/ Overture Little Shop of Horrors Assessment – Listening/ information
10BMu1	Monday 8 th of January GSI

Students will be completing a written listening exam based on the music theory which they have been studying. This will also be a listening test. Students will be asked to take their books home in the final lesson before the break.

Topics include

Note Values

Clefs

Chord Development

Melodic Devices

Circle of 5ths

Notes of treble and bass clef

Texture

Intervals

Instrumental Playing Techniques

Time Signature

Tempo

Melody Recognition

Performing Arts

Monday 15th January Lesson 4&5

Students will be completing component 1 coursework in controlled conditions.

PE

Students will be assessed on:

Muscular-Skeletal System - bones, joints, muscle anatomy, muscle types, antagonistic pairs.

Physical Training - health, fitness, exercise, principles of training, methods of training, par-q.

Past papers and other resources are accessible in the PE folder in the shared area. Students should use their notes along with their textbook to revise knowledge points and access the past papers to practice recalling and applying their knowledge. It is expected that revision notes will be created by each student to support their preparation for the exam.

Science

<u>Biology</u>	<u>Chemistry</u>	<u>Physics</u>
<p>The test will select from the following year 9 and 10 topics:</p> <p>B1: Cell Biology</p> <ul style="list-style-type: none">• Cells• Microscopes• Stem cells• Mitosis• Cancer• Active Transport• Diffusion <p>B2: Organisation</p> <ul style="list-style-type: none">• Blood• Heart• Blood vessels• Digestion• Gas exchange• Enzymes• Heart Disease <p>B3: Bioenergetics</p> <ul style="list-style-type: none">• Photosynthesis• Respiration <p>The assessment includes work from Year 9 and Year 10.</p> <p>Attached to SMHW for all groups are Knowledge Organisers, links to BBC Bitesize, and various supporting Pixl documents.</p>	<p>C1 Atomic Structure C1 The Periodic Table C2 Structure and Bonding. C4 Chemical Reactions – Metal reactions, Reactions of acids.</p> <p>Attached to SMHW for all groups is a Knowledge Organiser, a Knowledge checklist and a link to C1 Atomic Structure & Periodic Table topic on BBC Bitesize, Oak Academy and Keboodle.</p>	<p>Students will be assessed the following topics (from Y9 and Y10) in the January assessment period:</p> <p>P1 – Conservation of Energy (Y10)</p> <ul style="list-style-type: none">• P1.1 – Changes in energy stores• P1.2 – Conservation of energy• P1.3 – Energy and work• P1.4 – Gravitational Potential Energy stores• P1.5 – Kinetic & Elastic Energy stores <p>P2 – Energy transfer by Heating (Y10)</p> <ul style="list-style-type: none">• P2.1 – Energy transfer by conduction• P2.2 – Infrared Radiation (Separate Science ONLY)• P2.3 – More about Infrared Radiation (Separate Science ONLY)• P2.4 - Specific Heat Capacity• P2.5 – Heating & Insulating Buildings <p>P3 – Energy Resources (Y10)</p> <ul style="list-style-type: none">• P3.1 – Energy Demands• P3.2 – P3.5 – Energy resources & big issues <p>P4 – Electric Circuits (Y9)</p> <ul style="list-style-type: none">• P4.1 – Electric Charges & Fields (Separate Science ONLY)

- P4.2 – Current & Charge
- P4.3 – Potential difference & Resistance
- P4.4 – Component Characteristics
- P4.5 – Series Circuits
- P4.6 – Parallel Circuits

P5 – Electricity in the Home (Y9)

- P5.1 – Alternating Current
- P5.2 – Cables & Plugs
- P5.3 – Electrical power & Potential difference
- P5.4 – Electrical current & Energy transfer
- P5.5 – Applications & Efficiency

P6 – Molecules & Matter (Y10) – (**Separate Science ONLY**)

- P6.1 – Density
- P6.2 – States of Matter
- P6.3 – Changes of State
- P6.4 – Internal Energy
- P6.5 – Specific Latent Heat
- P6.6 – Temperature & Pressure
- P6.7 – Gas Pressure & Volume

All revision resources to be provided on Class Charts.
Revision resources to include:

- Knowledge Organiser
- The AQA Equation Sheet.
- List of equations to remember
- Kerboodle online textbook link – students have their own log in to this.

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| | | <ul style="list-style-type: none">• Practice questions• Revision websites |
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Sociology

Students need to revise all parts of the following topics

- Introduction to Sociology
- Research Methods

Revision material will be given out in class and will be on class charts.