

**HELSEBY**

**High School**



Achieving Success  
Valuing Others

**2024 - 2025**

**Year 10**

**Quick Guide**

**Preparation for**

**Assessment 1**

## Art and Photography

Year 10 will not sit a formal assessment. The students will be assessed on all classwork completed up to this point. There are no additional support materials needed. All sketchbooks and practical work as well as PowerPoints and digital work will be reviewed. Students should ensure that all work is up to date for the work to be assessed.

Wk beginning 13th January

Mon 13<sup>th</sup> - p1 10b/ar2 NGA C28  
Mon 13<sup>th</sup> - p1 10b/ar1 SRA C29  
Tues 14<sup>th</sup> - p2 10a/ar1 SRA C29  
Tues 14<sup>th</sup> - p2 10a/PY1 HAD C27

## 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](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	Revision resources
D&T	10A/Dt1 Mr Kelly  10B/Dt1 Mrs Owen	<ul style="list-style-type: none"> <li>1x 50 minute - written assessment made up of multiple choice, short and long response questions. Topics to include:</li> <li>Timbers – Categories, Sources and Origins</li> <li>Polymers – Categories, Sources and Origins</li> <li>Timber manufacturing processes</li> <li>Sustainability</li> <li>Six R's</li> <li>Reducing Waste</li> <li>Social, Moral and Environmental Issues</li> <li>Product Analysis</li> <li>Computer Aided Design and Manufacture</li> </ul> <p><i>Completed mock NEA sections will also be considered</i></p>	<p>10A/Dt1 Mr Kelly Tuesday 14<sup>th</sup> January, period 2</p> <p>10B/Dt1 Mrs Owen Tuesday 21<sup>st</sup> January, period 2</p>	<p><b>Revision support material</b></p> <p>Pupils should use their classwork and homework to support their revision for this assessment.</p> <p>Additional revision resources will also be added to class charts and 'MS Teams KS4 Support channel'</p> <p><b>Website support</b></p> <p>BBC Bite Size GCSE DT <a href="https://www.bbc.co.uk/bitesize/examspecs/zby2bdm">https://www.bbc.co.uk/bitesize/examspecs/zby2bdm</a></p>  <p><b>Other independent study support</b></p> <p>Recommended revision guides:</p> <p><a href="https://clearrevise.com/titles/aqa-gcse-design-technology-8552/">https://clearrevise.com/titles/aqa-gcse-design-technology-8552/</a></p> <p><a href="https://www.cgpbooks.co.uk/secondary-books/gcse/design-technology/d-t/tar42-new-gcse-design-technology-aqa">https://www.cgpbooks.co.uk/secondary-books/gcse/design-technology/d-t/tar42-new-gcse-design-technology-aqa</a></p>

		<i>and form part of the assessment grade reported.</i>		
Food	10A/Fs1 Mrs Cross  10B/Fs1 Mrs Eastwood	<ul style="list-style-type: none"> <li>1 x 2 hour practical session where pupils make a dish they have planned in response to a set task</li> <li>1 x 50 min written assessment covering the topic of 'starchy carbohydrate foods' (topic area 2)</li> </ul>	<p>10A/Fs1 Mrs Cross' group</p> <ul style="list-style-type: none"> <li>Practical assessment Tuesday 14.01.25 Periods 2+3</li> <li>Written assessment Friday 17.01.25 Period 4</li> </ul> <p>10B/Fs1 Mrs Eastwood's group</p> <ul style="list-style-type: none"> <li>Practical assessment Tuesday 21.01.25 Periods 2+3</li> <li>Written assessment Thursday 16.01.25 Period 5</li> </ul>	<p><b>Revision support for the written assessment</b></p> <ul style="list-style-type: none"> <li>Students should use their folder of work from theory lessons to revise for the written assessment.</li> <li>They are also recommended to complete the specific Seneca Learning tasks which will be set on ClassCharts.</li> <li>Students also have access to the digital version of the GCSE text book that accompanies the course. As well as more detailed information on the topics, this also has interactive quizzes, links to videos and practice questions. <ul style="list-style-type: none"> <li><a href="https://illuminate.digital/eduqasfood/">https://illuminate.digital/eduqasfood/</a></li> <li>Username: SALT4</li> <li>Password: STUDENT4</li> </ul> </li> </ul> <p><b>Support for the practical assessment</b></p> <ul style="list-style-type: none"> <li>Students are recommended to find their recipes on a UK website or cook book. AVOID USA recipes that measure in cups! BBC Good Food is a good go to: <a href="https://www.bbcgoodfood.com/">https://www.bbcgoodfood.com/</a></li> <li>Students should complete the planning sheet provided in advance and ensure they are following their time plan in the assessment.</li> <li>There is nothing stopping a student practising making their chosen dish(es) at home!</li> </ul>
H&SC	10A/Hs1 Mrs Gilbert  10B/Hs1 Mrs Gilbert	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>10A/Hs1 Tuesday 14<sup>th</sup> January Periods 2+3 and ongoing in every H&amp;SC lesson</li> <li>10B/Hs1 Tuesday 21<sup>st</sup> January</li> </ul>	<ul style="list-style-type: none"> <li>No revision required in advance for the NEA assessment, just attendance in lesson and careful attention to instructions and guidance during the assessment.</li> </ul>

		this 2 hour session.	periods 2+3 and ongoing in every H&SC lesson	
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## English

### Assessment 1: 'A Christmas Carol'

Students will be given a 45 minute extract question based on their study of 'A Christmas Carol' by Charles Dickens

### Assessment 2: Creative Writing

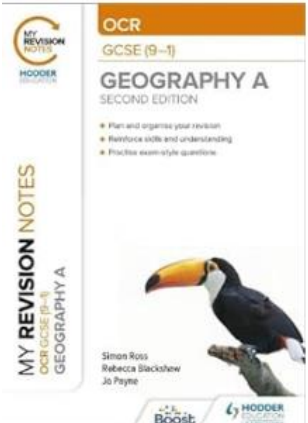
Students will be given a 45 minute paper during which time they will write a piece of creative prose writing.

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

## 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)

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## History

### **History (OCR History B – SHP)**

Students will sit a 55 minute paper on The People's Health 1250 to the Present. This will be split across two lessons. The topics to be covered are:

- The Middle Ages 1250-1500
- The Early Modern Period 1500-1750
- The Industrial Age 1750-1900
- The Twentieth Century to present

Examination style questions will include 3 x 1 marks, 9 marks; 10 marks and 18 mark essay. Students will follow a revision schedule to help them prepare for the assessment. This will include a specific task each week and will be followed up with a short knowledge test in class the following week. Students will take their books home to revise. A revision guide is available to purchase on ScoPay. Students may also find it helpful to use the following website to revisit topics and quiz themselves.

<https://www.bbc.co.uk/bitesize>

<https://senecalearning.com/en-GB/> (click 'Students use for free' and use your school email and password to log-in.

## Maths

<b><u>Year 10 Maths Foundation</u></b>	<b><u>Year 10 Maths Higher</u></b>
Four rules with decimals	HCF/LCM
Factors, multiples, primes, squares, cubes	Ratio/Fractions
Prime factors, HCF, LCM	Ratio Hard
Percentages	Product Rule for counting/Percentages
Fractions	Percentages
Ratio	Expand and factorise
Rounding, estimation, BIDMAS	Factorise/solve quadratics
Negative numbers	Factorising quadratics with coefficient
Basic algebra	Simultaneous Equations
Substitution	Inequalities / Changing the subject
Coordinates	Pythagoras/trigonometry
Expanding and factorising	3D Pythagoras/3D trigonometry
Solving Equations	Angles
Solving equations with unknowns on both sides	Angles in polygons
Sequences	Bearings (with trig)
Inequalities	Pie charts
Indices	Cumulative frequency/box plots
Angles	Averages from a table
Angles in parallel sides	Scatter graphs/frequency polygons/stem and leaf
Area and perimeter	Standard form
Circles	Area, surface area, volume
Plotting graphs	Circles, cylinders, spheres
FDP	Probability
Four rules with fractions	Probability trees
Averages	Compound measure
Probability	Straight line graphs
Two way tables and stem and leaf	Quadratic graphs/Cubic/reciprocal graphs
Growth and decay	Indices
Standard form	Surds
Transformations	Surds rationalising

Pythagoras  
Surface area and volume  
Straight line graphs  
Real life graphs, plotting quadratics  
Compound measures  
Vectors  
Plans and elevations  
Reteach angles

Recurring decimals  
Quadratic nth term  
Changing the subject with factorising  
Sine Rule / cosine Rule  
Sine Area and trig bearings  
Quadratic formula  
Completing the square  
Plotting and sketching graphs  
Arcs and Sectors  
Segments

## **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=0om_glXb0ck)

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

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

## **MFL**

### **French Y10 assessment**

During the assessment, you will complete two writing tasks in the style of the new GCSE.

You will have a **translation** and a **90-word (or 150 word)** task to answer in French.

Both tasks are based on the topics we have studied this year:

- 1 Identity, family & friends
- 2 Healthy lifestyles

In terms of grammar, make sure that you revise how to use adjectives and how to use the past, present and future tenses.

Revision support materials:

1. Language Nut – any vocabulary or GCSE exam activities connected to these two topics (your teacher will show you where they are)
2. Double-sided vocabulary sheet on each of these two topics (please ask for a new one, if you have lost it)
3. BBC Bitesize - any tasks based on these two topics (make sure you go to the NEW GCSE sections)

## German Y10 assessment

During the assessment, you will complete two writing tasks in the style of the new GCSE.

You will have a **translation** and a **90-word (or 150 word)** task to answer in German.

Both tasks are based on the topics we have studied this year:

- 1 Identity, family & friends
- 2 Healthy lifestyles

In terms of grammar, make sure that you revise how to use adjectives and how to use the past, present and future tenses.

Revision support materials:

1. Language Nut – any vocabulary or GCSE exam activities connected to these two topics (your teacher will show you where they are)
2. Double-sided vocabulary sheet on each of these two topics (please ask for a new one, if you have lost it)
3. BBC Bitesize - any tasks based on these two topics (make sure you go to the NEW GCSE sections)

## Music

Year 10	<b>Theatre/ Overture Little Shop of Horrors Assessment – Listening/ information</b>
10B/Mu1	Tuesday 21st of January – P2 & P3 GSI

Students will be completing an adapted GCSE exam which will include all topics which students have currently studied. This exam is in two sections. Section A is a listening test in which students answer questions based on what they hear. Section B will be a written section in relation to the Set Works we have studied so far including an essay question. Students should use their books/ online resources to prepare by studying the elements of music and key words. Also, students should revise how Beethoven creates a sense of 'balance' in his first symphony in relation to the elements of music.

Online resources GCSE Music - AQA - BBC Bitesize

Students should search 'GCSE Music AQA BBC Bitesize' and scroll down to the 'music theory' section which details several pages to support learning on the elements of music.

## Performing Arts

Tuesday 14th January Lesson 3&4

Students will be completing component 1 coursework in controlled conditions.

## PE

Students will be assessed on:

### The Skeleton

Functions of the Skeleton

Classification of Bones

Structure of the Skeleton



## **Joints**

Classification of Joints

Movement Possibilities at Joints

Role of Ligaments and Tendons

## **Muscles**

Muscle Types

Location of Muscles

Antagonistic Pairs

Muscle Fibre Types

## **Health, Fitness and Training**

Health and Fitness

Definitions of Fitness Health and Exercise

Components of Fitness

## **Fitness Testing**

Values of fitness testing

Fitness Testing 1

Fitness Testing Data

## **Training**

Principles of Training

Training Target Zones

Methods of Training 1

Methods of Training 2

Methods of Exercise

## **Revision resources:**

Textbooks and Folders

<https://www.bbc.co.uk/bitesize/examspecs/zxbq39q>

<https://theeverlearner.com/>

<https://www.youtube.com/c/TheEverLearner>

## RE

The assessment will be a mix of a, b, c and d questions from Christian beliefs and Marriage and family units. Students will need to revise all the topics covered in these units. I have already sent a list of resources students can use for revision, but to summarise some resources they could use are -

- Classwork Booklets
- Revision Guides (Miss Ryan produced)
- Past paper questions (Miss Ryan produced)
- BBC bitesize

## Science

<b><u>Combined Science: Biology</u></b>	<b><u>Combined Science: Chemistry</u></b>	<b><u>Combined Science: Physics</u></b>
<p>Students will be tested on: The test will select from the following topics, from <u>Years 9 and 10</u></p> <p><b>B1: Cell Biology</b></p> <ul style="list-style-type: none"> <li>• Cells</li> <li>• Microscopes</li> <li>• Stem cells</li> <li>• Mitosis</li> <li>• Cancer</li> <li>• Active Transport</li> <li>• Diffusion</li> </ul> <p><b>B2: Organisation</b></p> <ul style="list-style-type: none"> <li>• Blood</li> <li>• Heart</li> <li>• Blood vessels</li> <li>• Digestion</li> <li>• Gas exchange</li> <li>• Enzymes</li> <li>• Heart Disease</li> </ul> <p><b>B4: Bioenergetics</b></p> <ul style="list-style-type: none"> <li>• Photosynthesis</li> <li>• Respiration</li> </ul> <p>General How Science Works questions (e.g. Interpreting data)</p> <p>The assessment includes work from <u>Year 9 and Year 10</u>. Various resources will be attached to ClassCharts, including digital Knowledge Organisers, links to BBC Bitesize, and various supporting Pixl documents.</p>	<p>Your assessment will be a full Paper 1 chemistry exam, for which the content was taught in year 9 and 10. The following topics can be assessed:</p> <ul style="list-style-type: none"> <li>• Atomic Structure</li> <li>• The periodic table</li> <li>• Structure &amp; Bonding</li> <li>• Chemical Changes</li> <li>• How Science Works skills such as; analysing data, simple calculations and evaluating information.</li> <li>• Required practical's:               <ul style="list-style-type: none"> <li>○ Preparing a soluble salt</li> </ul> </li> </ul> <p>Your assessment will last 50 minutes, and you should bring a pen, pencil, calculator and ruler. You will be provided with digital copies of knowledge organisers and useful revision links via ClassCharts.</p> <p>A full paper 1 revision homework is set on Seneca for all students to complete prior to the assessment.</p>	<p>Students will be tested on the test following topics, from Years 9 and 10</p> <ul style="list-style-type: none"> <li>• P1: Energy Stores and Transfers (Year 9)</li> <li>• P2: Energy transfer by Heating (Year 9)</li> <li>• P3: Energy Resources (Year 9)</li> <li>• P4: Electric circuits (Year 10)</li> <li>• P5: Electricity in the Home (Year 10)</li> </ul> <p>Required practical:</p> <ul style="list-style-type: none"> <li>• P2 – Determining Specific Heat Capacity</li> <li>• P4 – Determining resistance of a wire</li> <li>• P4 – Determining I-V Characteristics of Components</li> </ul> <p>General How Science Works questions (e.g. Interpreting data, drawing graphs)</p> <p>Various resources will be attached to ClassCharts, including digital Knowledge Organisers, links to BBC Bitesize.</p>
<b><u>Separate Science: Biology</u></b>	<b><u>Separate Science: Chemistry</u></b>	<b><u>Separate Science: Physics</u></b>
<p>Students will be tested on: The test will select from the following topics, from <u>Years 9 and 10</u></p> <p><b>B1: Cell Biology</b></p>	<p>Your assessment will be a full Paper 1 chemistry exam, for which the content was taught in year 9 and 10.</p>	<p>Students will be tested on the test following topics, from Years 9 and 10</p>

<ul style="list-style-type: none"> <li>• Cells</li> <li>• Microscopes</li> <li>• Stem cells</li> <li>• Mitosis</li> <li>• Cancer</li> <li>• Active Transport</li> <li>• Diffusion</li> </ul> <p><b>B2: Organisation</b></p> <ul style="list-style-type: none"> <li>• Blood</li> <li>• Heart</li> <li>• Blood vessels</li> <li>• Digestion</li> <li>• Gas exchange</li> <li>• Enzymes</li> <li>• Heart Disease</li> </ul> <p><b>B3: Infection and Response</b></p> <ul style="list-style-type: none"> <li>• Communicable disease (Bacteria, Virus, Fungi, Malaria)</li> <li>• Immune system</li> <li>• Vaccinations</li> </ul> <p><b>B4: Bioenergetics</b></p> <ul style="list-style-type: none"> <li>• Photosynthesis</li> <li>• Respiration</li> </ul> <p>General How Science Works questions (e.g. Interpreting data)</p> <p>The assessment includes work from <u>Year 9 and Year 10</u>. Various resources will be attached to ClassCharts, including digital Knowledge Organisers, links to BBC Bitesize, and various supporting Pixl documents.</p>	<p>The following topics can be assessed:</p> <ul style="list-style-type: none"> <li>• Atomic Structure</li> <li>• The periodic table</li> <li>• Structure &amp; Bonding</li> <li>• Chemical Changes</li> <li>• How Science Works skills such as; analysing data, simple calculations and evaluating information.</li> <li>• Required practical's: <ul style="list-style-type: none"> <li>○ Preparing a soluble salt</li> </ul> </li> </ul> <p>Your assessment will last 50 minutes, and you should bring a pen, pencil, calculator and ruler.</p> <p>All revision resources are available on MS Teams – GCSE Separate Science. Including revision mats, summary notes, knowledge organisers, podcasts and past papers.</p>	<ul style="list-style-type: none"> <li>• P1: Energy Stores and Transfers (Year 9)</li> <li>• P2: Energy transfer by Heating (Year 9)</li> <li>• P3: Energy Resources (Year 9)</li> <li>• P4: Electric circuits (Year 10)</li> <li>• P5: Electricity in the Home (Year 10)</li> <li>• P6: Particle Model of Mater (Year 10)</li> </ul> <p>Required Practical:</p> <ul style="list-style-type: none"> <li>• P4 – Determining resistance of a wire</li> <li>• P4 – Determining I-V Characteristics of Components</li> <li>• P6 – Determining density of regular &amp; irregular objects (solid &amp; liquid)</li> </ul> <p>General How Science Works questions (e.g. Interpreting data, drawing graphs)</p> <p>Various resources will be attached to ClassCharts, including digital Knowledge Organisers, links to BBC Bitesize.</p>
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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.