



Huxlow
Science College

Year 11 Exam and Revision Information for Parents 2021-22

I 
REVISION



Design and Technology



Art, Craft & Design

OCR
Oxford Cambridge and RSA

Design 
Technology, Art & Computing

Huxlow
Science College

Course Detail	<p>Portfolio/NEA: Internally set assignment</p> <p>Non-examined assessment 60% of the qualification – this has now been extended to 100% - there is no examination this year</p> <p>Students must produce a sustained project relating to their given starting point. Projects should include research into a wide variety of artists and sources with in depth investigation and development. Students investigations must conclude in a final outcome, showcasing their skills and abilities. Students will also enter stand alone pieces to give a substantial portfolio of work for examination</p> <p>All work produced across the GCSE can be submitted for marking.</p> <p>Current Coursework includes:</p> <ol style="list-style-type: none"> 1. Festival Project 2. Food Project
NEA Hand in	April 2022 tbc
Key skills	<p>Knowledge and understanding of the formal elements of art.</p> <p>In depth knowledge of textiles techniques studied across the course Analysis and evaluation of sources including artists and primary images. Projects should include the following:</p> <ul style="list-style-type: none"> - Mind map / mood board, Observation drawings from Primary and Secondary sources, in a variety of media, 4 Artist' of interest analysis pages, Work informed by the artists of interest., Final design ideas, Final design experiments and refinement, Final Piece.
Revision	<p>Due to having no written exam no revision materials are needed for this qualification.</p> <p>Students are expected to attend extra/catch up sessions every Thursday 3.10 – 4.10 to ensure work is kept up to date and deadlines are met.</p>
Websites	<p>OCR</p> <p>Pinterest</p>





Art & Design: Textiles

Course Detail	Portfolio: Internally set assignment Non-examined assessment <u>100%</u> of the qualification Students must produce a sustained project relating to their given starting point. Projects should include research into a wide variety of artists and sources with in depth investigation and development. Students investigations must conclude in a final outcome, showcasing their skills and abilities. Students will also enter stand alone pieces.
NEA Hand in	April 2022 tbc
Key skills	Knowledge and understanding of the formal elements of art. Indepth knowledge of textiles techniques studied across the course Analysis and evaluation of sources including artists and primary images.
Revision	Due to having no written exam no revision materials are needed for this qualification.
Websites	AQA, Ftmlondon.org, vam.ac.uk



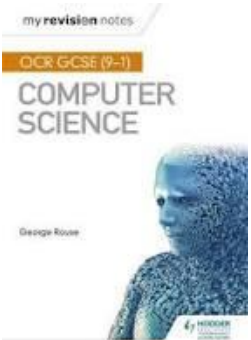


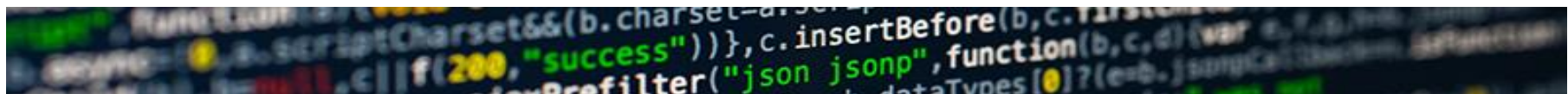
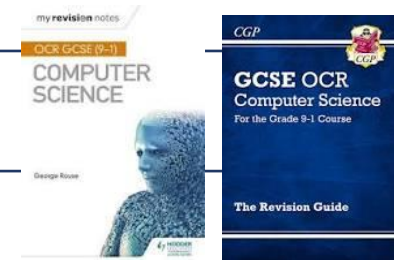
Computer Science

OCR
Oxford Cambridge and RSA

Design
Technology, Art & Computing

Huxlow
Science College

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Course Detail</p> 	<p>Examination: Computer Systems (01) – 90 minutes 50% of the qualification (80 marks) Topics: Systems Architecture, Memory, Storage, Wired and wireless networks, Network topologies, protocols and layers, System Security, System Software, Ethical, legal, cultural and environmental concerns</p> <p>Examination: Computational thinking, algorithms and programming (02) – 90 minutes 50% of the qualification (80 marks) Topics: Algorithms, Programming techniques, Producing robust programs, Computational logic, Translators and facilities of languages, Data representation</p>
<p>Examination date</p>	<p>tbc</p>
<p>Key skills</p>	<p>Demonstrate and apply knowledge and understanding of the key concepts and principles of Computer Science (see topics listed above) Analyse problems in computational terms to make reasoned judgements and to design, program, evaluate and refine solutions.</p>
<p>Revision</p>	<p>Revision resources provided. "my revision notes" OCR Computer Science book CGP OCR Computer Science Book Targeted sessions to cover key elements.</p>
<p>Websites</p>	<p>https://www.bbc.co.uk/bitesize/subjects/z34k7ty https://www.computerscience.gcse.guru https://teach-ict.com</p>





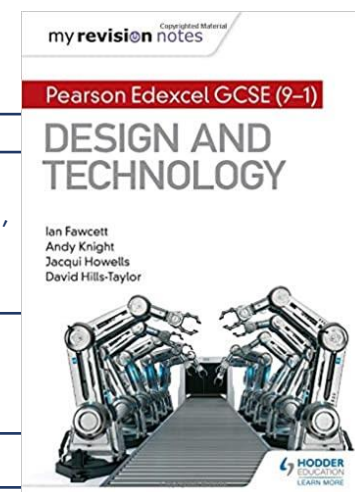
DT: Graphics



Design
Technology, Art & Computing

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Course Detail	<p>Examination: Component 1 (1 hour and 45 minutes) 50% of the qualification (100 marks) Section A: Core – 40 Marks Questions about how products about a products lifecycle and its influences. There will be 10 marks of calculation questions in Section A. Section B: Material category Paper and Boards – 60 Marks This is about the material area and their properties and uses. There will be 5 marks of calculation questions in Section B. Coursework/NEA: Component 2 (Paper code: 1DT0/02) 50% of the qualification (100 marks) 1 – Investigate (16 marks) 2 – Design (42 marks) 3 – <u>Make</u> (36 marks) 4 – Evaluate (6 marks)</p>	
NEA Hand in	Investigate and Design: Tuesday 2 nd November 2021 Make: Friday 21st January 2022 Final hand in of all folder including evaluation Friday 25th March 2022	
Examination	TBC	
Key skills	Subject knowledge and understanding of 12 topics. NEA Assessment :The project will test students' skills in investigating, designing, making and evaluating a prototype of a product. Task will be internally assessed and externally moderated.	
Revision	Revision resources provided as well as assignments on Seneca Learning "my revision notes" GCSE Edexcel DT Targeted sessions to cover key elements.	
Websites	Edexcel, Seneca Learning, Data.org, BBC Bitesize, Technology Student	

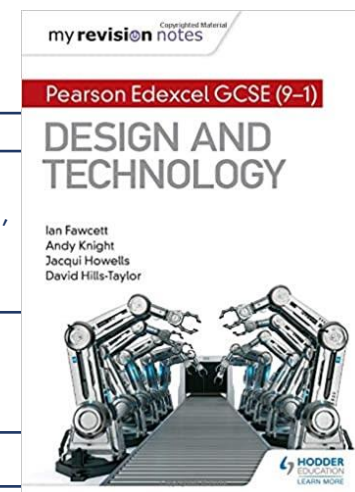




DT: Resistant Materials



Course Detail	<p>Examination: Component 1 (1 hour and 45 minutes) 50% of the qualification (100 marks) Section A: Core – 40 Marks Questions about how products about a products lifecycle and its influences. There will be 10 marks of calculation questions in Section A. Section B: Material category Timbers – 60 Marks This is about the material area and their properties and uses. There will be 5 marks of calculation questions in Section B. Coursework/NEA: Component 2 (Paper code: 1DT0/02) 50% of the qualification (100marks) 1 – Investigate (16 marks) 2 – Design (42 marks) 3 – Make (36 marks) 4 – Evaluate (6 marks)</p>	
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Hospitality and Catering



Design
Technology, Art & Computing

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Course Detail	<p>Unit 1: The Hospitality and Catering Industry</p> <ul style="list-style-type: none"> • 40% of the qualification • (90 Marks) are thorough assessment by an online/ written examination – (1 hour 30mins) <p>Unit 2: Hospitality and Catering in Action-Coursework (Course code-5569QA)</p> <p>Skills dovetailed to avoid repetition</p> <ul style="list-style-type: none"> • 60% Non Examination assessment: internally assessed, externally moderated. • 9 hours which includes a 4 hours practical exam. • Practical exam is two dishes with accompaniments.
NEA hand in	Friday 6th May 2022
Examination	tbc
Key skills	<p>Subject knowledge and understanding of key topics.</p> <p>NEA Assessment overview: Students will undertake a project based on a contextual challenge released by the exam board a year before certification.</p> <p>The project will test students' skills in nutritional analysis, preparation, making and presentation of dishes.</p> <p>Task will be internally assessed and externally moderated.</p>
Revision	<p>Revision resources provided.</p> <p>"my revision notes" WJEC L1/2 Hospitality & Catering</p> <p>Seneca Learning</p>
Websites	<p>WJEC, BBC Bitesize, Food safety.gov, Homefoodsafety.org/app, Nutrition.org.uk</p> <p>Food4life.org/key-stage-four/health-and-nutrition/nutritional-requirements/.,</p> <p>Gdalabel.org.uk/gda_valies.aspx</p>





French



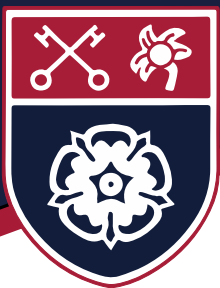
Changes to the 2022 exam:

- 3 choices for the writing exam instead of 2
- No clear guidance regarding the speaking exam yet; focus on the listening, reading, writing for now

Action plan to catch up on missed content (lockdowns)

- recovery curriculum : catching up on year 9 and year 10 content embedded in the Scheme of Work. (in September and in March)
- Regular assessments/ past papers to retrieve past knowledge and develop examination confidence





Supporting your child - French

Weekly vocabulary tests and "doing" homework revising Year 9 and 10 work as well as learning Year 11 topics.

All students have the whole of Year 9 and 10 vocabulary in their green books (theme 1 and theme 2)

This vocabulary **MUST** be revised regularly to maximise the reading and listening grades.

verb tables also in the back of green books to prepare for the writing





English



2022 Exam content

Students will be sitting the following exams:

English Language paper 1 (full paper)

English Language paper 2 (full paper)

Literature content has been condensed to the following exams:

An Inspector Calls

A Christmas Carol

Romeo and Juliet

Unseen poetry comparison



Things to do now?

- 1) **Re-read *An Inspector Calls* and *A Christmas Carol*.** (Also available from Libraries and Kindle store for free) Next term we will be reading *Romeo and Juliet*.
- 2) Start revision for English language now – use the CGP revision workbooks given out to students, Language practice papers (A5 resource) and any additional resources through teacher.
- 3) Practice writing creatively along with encouraging your child to view different non-fiction texts to help with their non-fiction writing and analysis – such as magazine and newspaper articles
- 4) Use BBC bitesize to help revise Literature and Language skills

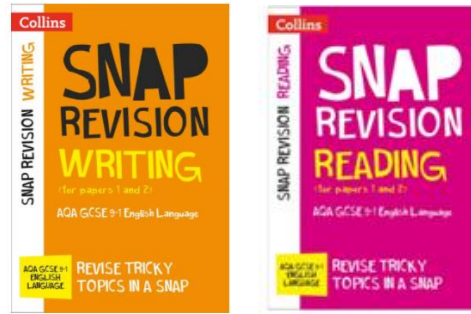
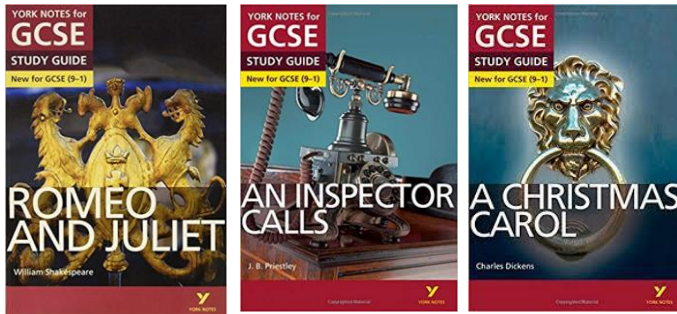
EXAM BOARD: AQA



English Literature and Language



A revision guide for Literature texts is recommended. Available on Amazon or bookshops.





Useful websites for revision:

<https://www.bbc.co.uk/bitesize/topics/zykncwx> R&J

<https://www.bbc.co.uk/bitesize/topics/zpr639q> AIC

<https://www.bbc.co.uk/bitesize/topics/zwhkxsg> ACC

<https://www.bbc.co.uk/bitesize/examspecs/zcbchv4> Language

<https://www.youtube.com/channel/UCIDtY9UjgqTMBFXne1N0M7w>

Revision channel on Youtube

<https://app.senecalearning.com/classroom/course/00f70050-30ed-11e8-a763-490dd4eebe44> Seneca learning

<https://quizlet.com/gb/topic/arts-and-humanities/english/> Quizlet



Maths



Failure to prepare is preparing to fail...

EDEXCEL HIGHER – MR KING AND MR BREWIN'S GROUPS

OCR FOUNDATION – MR DARNBROOK, MR COUTTS, MRS GRAHAM, MR KEATING

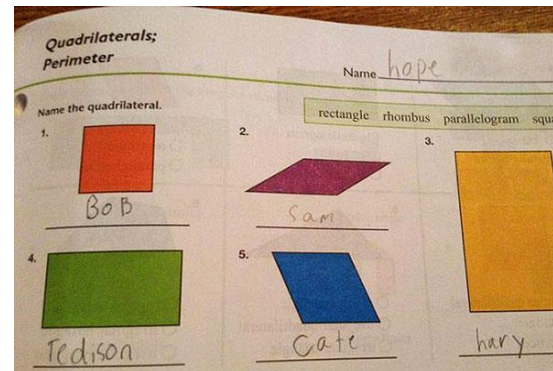
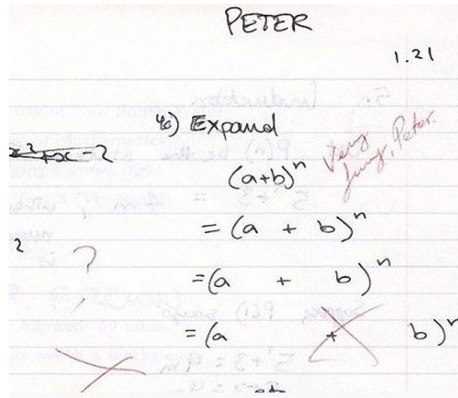
- Learn the key things- have a list of the topics and learn the formulas
- Purple books – these should be kept up to date in lessons
- Revision books – all students have a free revision book for their specification (provided by the school)
- Past exam papers – get these from your teacher to practise
- Mathswatch – video clips are there to show you how to do topics

**Failure to prepare is
preparing to fail.**

Benjamin Franklin



"I can't do maths" ... unless you practise



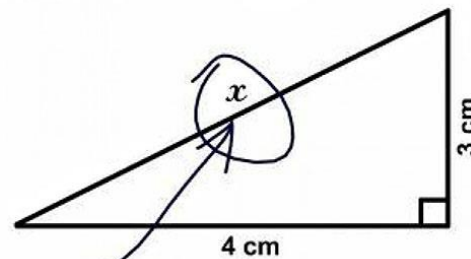
Solving equation by

$$\frac{1}{n} \sin x = ?$$

$$\frac{1}{n} \sin x =$$

$$\text{six} = 6$$

3. Find x.



Here it is



Useful websites

- MathswatchVLE – has focused topic and video clips

<https://mathswatch.co.uk/vle>

Login: firstnamelastname1@huxlow

Password: huxlow123

- School website – there will be past papers with mark schemes
- Corbett Maths – 5 a day questions

<https://corbettmaths.com/>

- Mr Barton Maths – has focused topics and video clips

<http://mrbartonmaths.com>



How we are helping in school

What's happening

- Monday after school intervention until 4.10pm
- Most able– studying for further GCSE maths
- Intervention – very small groups
- Holiday revision sessions in Easter and May half term

How will that help?

- Get extra help/boost confidence
- Going beyond GCSE studying and looking towards A level (from October half term)
- Mrs Brabant working with PP students and small groups continually
- Help is always available so please ask

I can do it!





GCSE Geography

Huxlow Science College

Board OCR

Exam Course OCR A (9-1)

Geographical themes

The qualification consists of 3 components:

Written paper – **Living in the UK 2022**
1 hour minutes – 60 marks +
SPaG assessed 30% of the qualification
Candidates answer all questions

Written paper – **The World around us 2022**
1 hour minutes – 60 marks +
SPaG assessed 30% of the qualification
Candidates answer
**Compulsory question on
People of the Planet and the Ecosystems, no
environmental threats question**

Analytical paper - **Geographical Skills 2022**
1 hour 30 minutes – 80 marks
SPaG assessed 40% of the qualification
Candidate answer all questions

**For this year there will be no fieldwork
component on the paper but will be
questions on fieldwork skills**



- Access to OCR A Geography GCSE questions in lessons, homework and revision.
- Set up a revision plan and use the A3 resources and resources here to aid in your revision.
- Every student has A3 sheets that have the key information on – you can test them on these
- They have a PLC linked to past paper questions that they can practise
- Download the Geography PIXL App
- All students have access to voice over PowerPoints with information and exemplar question and answer on
- All students have a Revision guide from school. My revision notes OCR GCSE (9-1)
- All students have a Seneca account from which they can access information and test themselves



Year 11 History

Huxlow
Science College

Board: Edexcel
Edexcel (9-1)

The History GCSE consists of 3 exam papers:

Paper 1 –

- Medicine in Britain, 1250-present

Paper 2 –

- Henry VIII and his ministers, 1509 - 1540

Paper 3 –

- Weimar and Nazi Germany, 1918-39

Main revision techniques:

- Spaced Practice
- Retrieval booklets
- Exam Guides
- Revision books

There would usually be the Superpower relations as part of this paper but the paper has been reduced for this year.



20 revision techniques for History

- 1. Read and highlight
 - 2. Notes – bullet points
 - 3. Lists, top 10 etc.
 - 4. Flow charts, timelines
 - 5. Manipulate information / flash cards
 - 6. Brainstorm
 - 7. Charts e.g. For/Against
 - 8. Pictures / programmes
 - 9. Room locator
 - 10. Diagrams / post it notes
 - 11. Quiz questions
 - 12. Exam questions
 - 13. Teach someone
 - 14. Record yourself – verbal notes/answers
 - 15. Photos
 - 16. Source annotation
 - 17. Writing the story / telling the story
 - 18. Answer Key Questions
 - 19. Write your own questions.
 - 20. Big paper / lining paper
- Supported by constant reference to:-
Specification
Notes/lessons
Textbooks



Science



- OCR Gateway Science Suite A
- Combined Science
 - [Science A, Combined \(9-1\) - Gateway Science Suite J250 2016+](#)
 - **Triple Science**
 - [Biology A \(9-1\) - Gateway Science Suite J247 2016+](#)
 - [Chemistry A \(9-1\) - Gateway Science Suite J248 2016+](#)
 - [Physics A \(9-1\) - Gateway Science Suite J249 2016+](#)
- Further information is available at
- <https://www.ocr.org.uk/qualifications/gcse/>



Triple Science

- 6 Papers in total
- 2 Biology, 2 Chemistry and 2 Physics
- Each paper is 1 hour and 45 mins long
- Paper 1 covers the first half of the course
- Paper 2 covers the second half of the course but assumes knowledge of the first half

Content is split into six teaching topics B1-B6 and a practical activity skills topic B7:

- Topic B1: Cell level systems
- Topic B2: Scaling up
- Topic B3: Organism level systems
- Topic B4: Community level systems
- Topic B5: Genes, inheritance and selection
- Topic B6: Global challenges
- Topic B7: Practical skills

Paper 3 assesses content from Topics B1-B3 and B7

Paper 4 assesses content from Topics B4-B6 and B7, with assumed knowledge of Topics B1-B3.

Paper 3
J247/03
90 marks
1 hour 45 minutes
Written paper

**50%
of total
GCSE**

Paper 4
J247/04
90 marks
1 hour 45 minutes
Written paper

**50%
of total
GCSE**

Combined Science



<ul style="list-style-type: none">• Topic B1: Cell level systems• Topic B2: Scaling up• Topic B3: Organism level systems• Topic CS7: Practical skills (PAGs B1-B5)	Paper 1 (Biology) J250/01 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic B4: Community level systems• Topic B5: Interaction between systems• Topic B6: Global challenges• Topic CS7: Practical skills (PAGs B1-B5) With assumed knowledge of B1-B3	Paper 2 (Biology) J250/02 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic C1: Particles• Topic C2: Elements, compounds and mixtures• Topic C3: Chemical reactions• Topic CS7: Practical skills (PAGs C1-C5)	Paper 3 (Chemistry) J250/03 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic C4: Predicting and identifying reactions and products• Topic C5: Monitoring and controlling chemical reactions• Topic C6: Global challenges• Topic CS7: Practical skills (PAGs C1-C5) With assumed knowledge of C1-C3	Paper 4 (Chemistry) J250/04 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic P1: Matter• Topic P2: Forces• Topic P3: Electricity and magnetism• Topic CS7: Practical skills (PAGs P1-P6)	Paper 5 (Physics) J250/05 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE
<ul style="list-style-type: none">• Topic P4: Waves and radioactivity• Topic P5: Energy• Topic P6: Global challenges• Topic CS7: Practical skills (PAGs P1-P6) With assumed knowledge of P1-P3.	Paper 6 (Physics) J250/06 1 hour 10 minutes 60 mark written paper	16.7% of total GCSE

- 6 Papers in total
- 2 Biology, 2 Chemistry and 2 Physics
- Each paper is 1 hour and 15 mins long
- Paper 1 covers the first half of the course
- Paper 2 covers the second half of the course but assumes knowledge of the first half

Entry Levels



- Combined Science (2 GCSEs)
- Foundation grade range 1-1 to 5-5
- Higher grade range 4-3 to 9-9
- Students take either Higher or Foundation, you cannot mix and match.

- Triple Science
- Higher(3 to 9) or Foundation (1 to 5)
- Can enter as a combination e.g. Biology Higher but Physics and Chemistry Foundation

- Decision is based on homework, test and mock exam performance

Preparing for Exams in Year 11



- Educake – not just for homework but students can set themselves questions on Educake.
- Great for testing recall and ability to interpret questions
- Web based so can be used anywhere you have a device / computer and internet access.



Preparing for Exams in Year 11



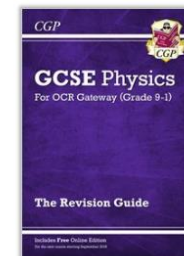
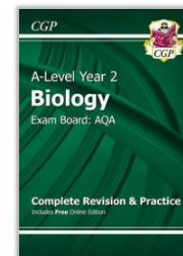
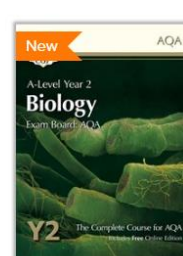
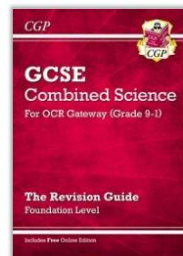
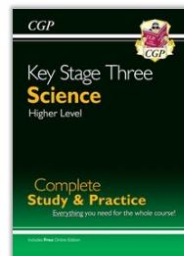
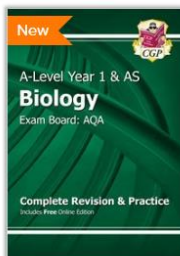
- CGP Revision guides and workbooks
- Available from school at a good discounted rate, pay via wisePAY.
- Excellent resource
- Online version with every book

My Online Products

Got an Activation Code?

If you have an activation code for an Online Edition, you can enter it here...

Enter a Code



Preparing for Exams in Year 11



- Seneca learning

Not just for homework, it can be used by students for independent study/revision. It is great for reviewing a topic and then recalling information.

 [Back to teacher platform](#)

The screenshot shows the Seneca learning platform interface. On the left is a navigation menu with a blue header containing the Seneca logo and a hamburger menu icon. Below the header is a circular profile picture of a penguin and the text "Biology: OCR Gateway (A) GCSE Higher". The menu lists several topics under "1 Cell Level Systems", with "1.1.3 Microscopy" selected. On the right is a question card with a light blue background. The question is "What is a magnification of x240 000 in standard form?". There are four input fields with the following options: 24×10^4 , 2.4×10^4 , 0.24×10^7 , and 2.4×10^5 . A "Feedback?" button is at the bottom left of the question card, and a "Choose an answer" button is at the bottom center. A score indicator "0 / 1" is in the top right corner of the question card. A "typing speed: x1.0" indicator is at the top right of the interface.



- Interactive practical simulations.
- Students can vary parameters, collect and analyse data.
- Links to videos showing required practicals being carried out.
- Ready-made revision flash cards

The screenshot shows the Focus eLearning website for Huxlow Science College. The page has a blue header with the Focus eLearning logo on the left and the text "Huxlow Science College" and "Log me out" on the right. Below the header is a "Science Resources" section with a search bar and a "View Pack Sitemap" link. The main content area displays a grid of 16 resource tiles, each with a representative image and a title: "TIPS & TRICKS" (lightbulb icon), "A Level Physics Required Practicals" (green grid icon with a "NEW" banner), "Physics Required Practicals" (rainbow spectrum icon), "Chemistry Required Practicals" (periodic table icon), "Biology Required Practicals" (green cells icon), "Science Images" (atom icon), "Essential Physics KS3" (planets icon), "Essential Physics GCSE" (planets icon), "Essential Biology" (heart icon), "Essential Chemistry" (flasks icon), "Science Investigations 1" (lab equipment icon), "Science Investigations 2" (lab equipment icon), "Essential Chemistry" (flasks icon), "Science Investigations 1" (lab equipment icon), "Science Investigations 2" (lab equipment icon), and "Videos" (video player icon).

Preparing for Exams in Year 11



- Start early there is a lot to do
- Mind maps and flash cards
- Practice questions in your CGP revision guide, educake etc
- Past paper practice, higher level questions require application of knowledge not just recall.
- Past papers – OCR web site
 - Do what you can without your books etc
 - Now go back through and try to answer the questions you couldn't do or were not sure of
 - Now go through marking and correcting using the mark scheme
- Complete additional online learning



Psychology



- **Paper 1: Cognition and behaviour**
- Memory
- Perception
- Development
- Research methods
- 100 marks – 50% of your GCSE



Paper 2: Social context and behaviour

Social Influence

Language, thought and communication

Brain and neuropsychology

Psychological problems

100 marks – 50% of your GCSE



Type of Questions

You will have to answer questions on ALL the topics listed on the previous slide so you need to revise EVERYTHING you have learnt since year 9!

Each topic is worth 25 marks.

In each section there will be some multiple choice questions, short answer questions (i.e. definition of a key term), extended writing questions (describe and evaluate a piece of research) or application questions (identifying the psychology in the scenario)