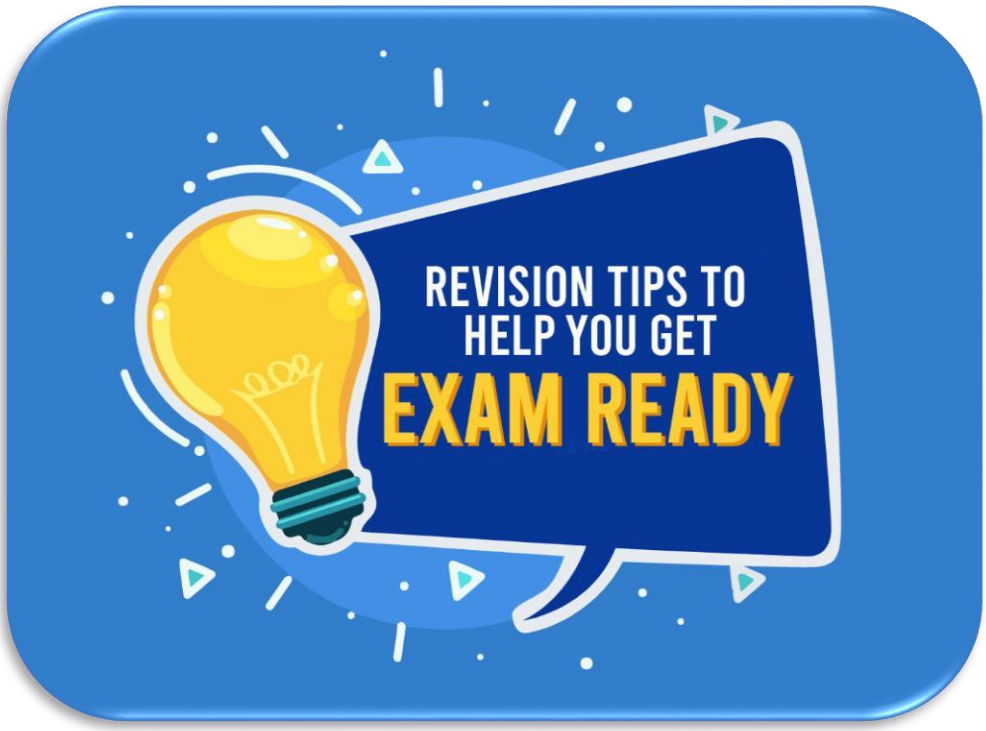
HELSTON COMMUNITY COLLEGE

ASPIRATION • AMBITION • ACHIEVEMENT



Year 11 Mock Exams

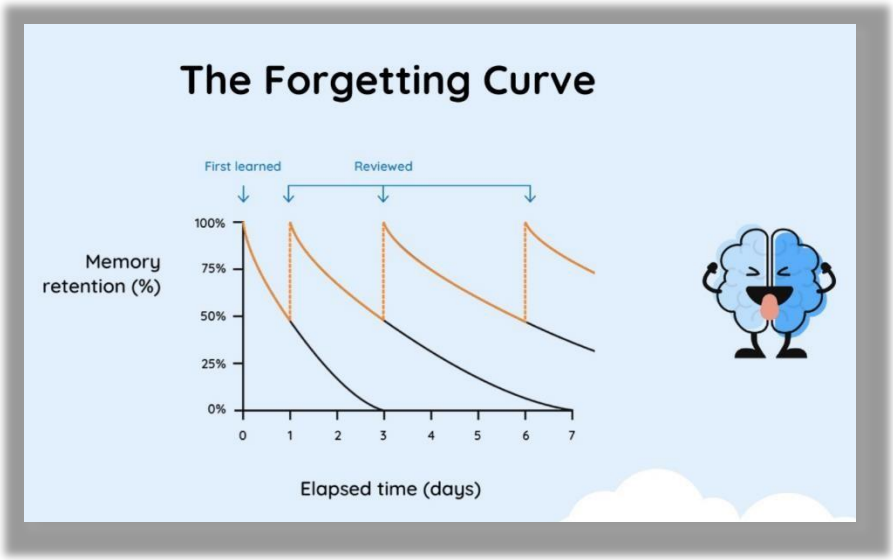
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What to do

Each page has a list of topics or concepts which will be assessed in the Year 11 mock exams. There are also links to revision resources on various websites. Use the subject pages alongside the revision tips to maximise your success!

Why revise?



1. **Boost Your Memory and Beat Forgetting**

Imagine spending hours in class learning something, only to forget it a few days later. This happens to everyone, and it's called the "forgetting curve," a concept discovered by psychologist Ebbinghaus. Without revision, your brain naturally starts to forget information over time. But when you review regularly, you strengthen your memory and make sure all that hard work doesn't go to waste. Revising for your mocks is the key to remembering what you've learned for the long term, setting you up for success in both the mocks and the real exams.

2. **Make Learning New Information Easier**

Revising the things you've already learned gives your brain the foundation it needs to absorb new information faster and with less stress. When you walk into class already confident in the basics, you can focus on understanding new topics, rather than trying to catch up. This makes your entire learning process smoother and easier. Think of revision as building a strong base - without it, everything else gets harder!

3. **Gain Confidence and Control**

How often do nerves or panic get in the way of doing your best? By revising for your mocks, you're not only preparing for the content but also boosting your confidence. When you know what you're doing, you'll walk into the exam room feeling more in control, less anxious, and more focused on getting the grades you deserve. Confidence from good revision will help you stay calm, perform better, and manage the pressure.

4. **Stay Ahead of the Competition**

Whether we like it or not, grades are competitive. You're not just aiming for a pass - you're competing for the best grades that will get you into the college or job you want. There are limited places, and every mark counts. By revising properly for your mocks, you give yourself the edge over other students who might not be as prepared. Think of it as training for a big sports event - the more you practice, the better you'll perform when it really counts.

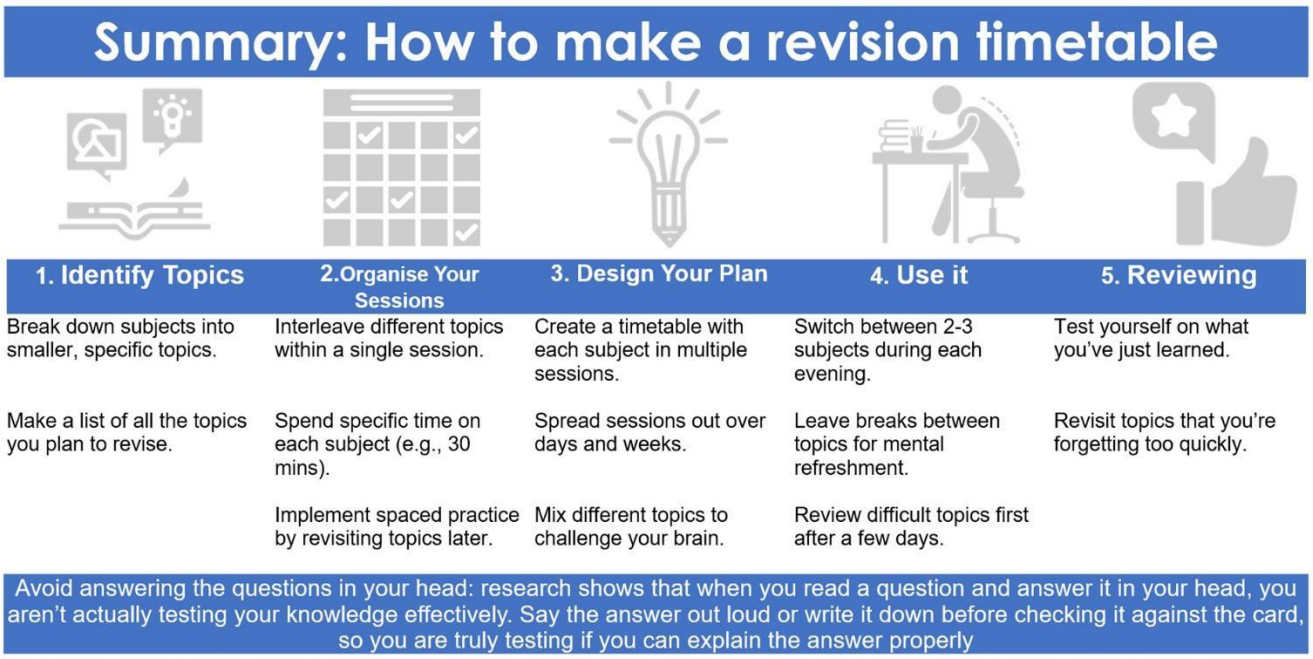
5. **Perfect Your Exam Technique**

Mocks are more than just a practice run - they're your chance to sharpen your exam technique.

Revising helps you become familiar with the types of questions you'll face and the best ways to answer them. The more you revise, the better you get at managing your time and structuring your answers. This practice will be a huge advantage when the real exams come, because you'll know exactly what to do under pressure.

Revising for your mocks isn't just about passing a test - it's about building memory, boosting confidence, staying ahead of the competition, and preparing yourself for the real exams that will shape your future. Don't let this opportunity slip by!

How to use revision timetables



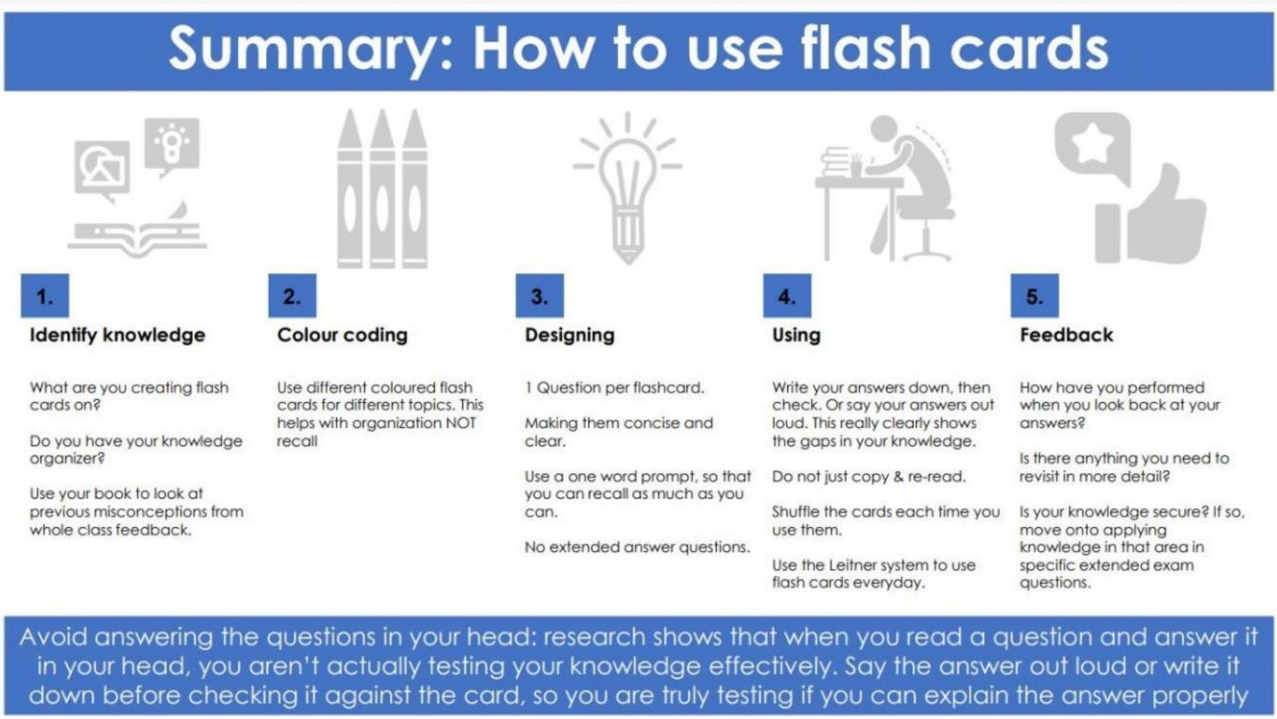
Summary: How to make a revision timetable

1. Identify Topics	2.Organise Your Sessions	3. Design Your Plan	4. Use it	5. Reviewing
Break down subjects into smaller, specific topics.	Interleave different topics within a single session.	Create a timetable with each subject in multiple sessions.	Switch between 2-3 subjects during each evening.	Test yourself on what you've just learned.
Make a list of all the topics you plan to revise.	Spend specific time on each subject (e.g., 30 mins).	Spread sessions out over days and weeks.	Leave breaks between topics for mental refreshment.	Revisit topics that you're forgetting too quickly.
	Implement spaced practice by revisiting topics later.	Mix different topics to challenge your brain.	Review difficult topics first after a few days.	

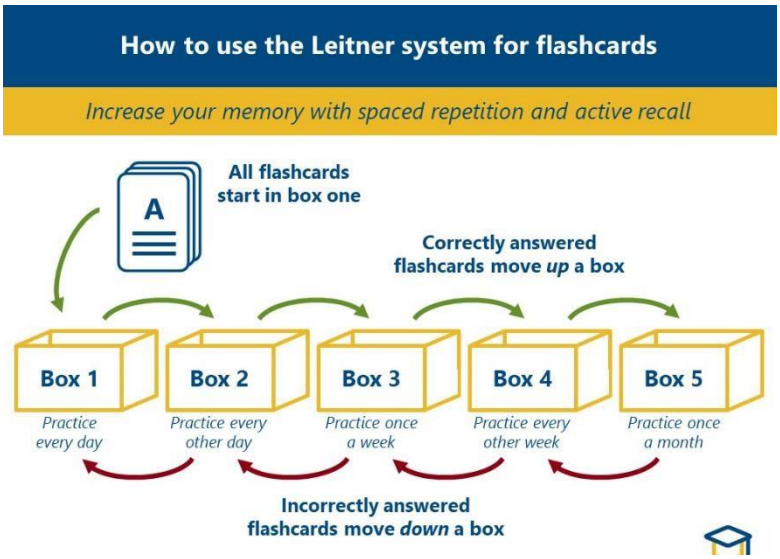
Avoid answering the questions in your head: research shows that when you read a question and answer it in your head, you aren't actually testing your knowledge effectively. Say the answer out loud or write it down before checking it against the card, so you are truly testing if you can explain the answer properly

There are blank revision timetable templates at the back of this document.

Flashcards



The **Leitner method** for studying with flashcards is a fun way to make sure you remember what you learn! Start by writing questions on one side of the card and the answers on the other. Put all your cards in Box 1, which you'll review every day. If you get a card right, move it to Box 2, where you'll review it every 2 days. If you keep getting it right, keep moving it up through the boxes (Box 3 every 4 days, Box 4 every 9 days, and Box 5 every 14 days). If you get a card wrong, move it back to Box 1, so you'll see it more often until you know it well. This way, you focus on the cards you find tricky and gradually reinforce your knowledge of the ones you already know!



Brainscape is a digital flashcard app that uses spaced repetition to help you effectively study and retain information, making it a great tool for preparing for your mock exams in the UK. With the ability to create customized flashcards or access a library of premade ones, you can tailor your study materials to your specific subjects and needs. The app's interactive platform, progress tracking, and flexibility allow for efficient and engaging study sessions, ensuring you focus on challenging topics while reinforcing your knowledge in a convenient way.

Talk for one minute!

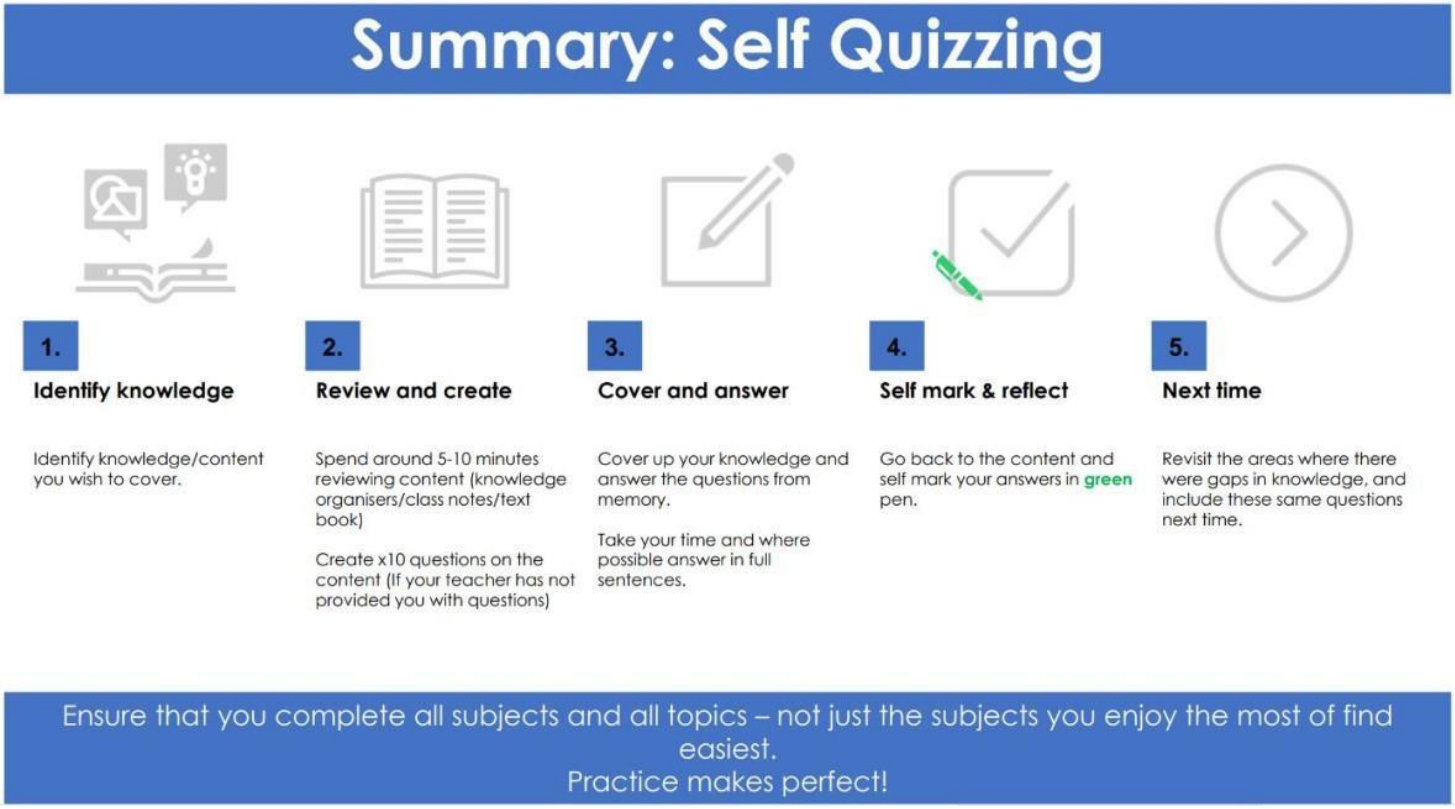


The self-explanation effect has been studied since the 1980s, and has been examined in many disciplines, e.g. chemistry, biology, mathematics and nursing, among others. Self-explanations help the student integrate new knowledge with existing knowledge, and can allow the learner to update and refine existing mental models.

Self-explanation has been shown to improve the acquisition of problem-solving skills when studying worked-out examples. Self-explanation, when explicitly encouraged or required can also facilitate the learning of declarative knowledge
from an expository text.

By self-explaining, students may become more aware of the actual level of their understanding – and may provide students with key information about areas of confusion and/or understanding.

Self quizzing



Biology (including DA science): 17/11/2026



Topics to revise:

- B1 Cell Biology
- B2 Organisation
- B3 Immunity And Response
- B4 Bioenergetics

Revision resources:

- A Showbie Science Revision room has been set up for you to join to have extra revision resources at your fingertips. Code: E7D4G3
- Knowledge organiser and checklists have been allocated via Showbie Science revision room these units.
- Six years of past papers have also been allocated to you to use for revision.
- Science afterschool support and coaching every Thursday in Lab 3. 3:15 to 4:30pm.
- Past papers – download straight from the AQA website AQA | Find past papers and mark schemes
- Revision guide, workbooks, revision card pack can be ordered from the school shop.
- Cognito videos with linked worksheets for each small topic/key concept Cognito - YouTube
- Seneca learning Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com)
- Cognito Resources - Past Papers - GCSE > Qs by Topic > Biology > AQA
- GCSE Biology (9-1) - YouTube

SENECA

B1 - Cell Biology	Seneca Learning Biology Course: Cell Biology Folder	
B2 - Organisation	Seneca Learning Biology Course: Organisation Folder	
B3 - Infection and Response	Seneca Learning Combined Science: Biology Course: Infection and Response Folder	
B4 - Bioenergetics	Seneca Learning Combined Science: Biology Course: Bioenergetics Folder	
Biology Paper 1: Required practicals	Required practical review of: Microscopy, Osmosis, Food tests, Enzymes and Photosynthesis.	

Business: 11/11/2026



Topics to revise:

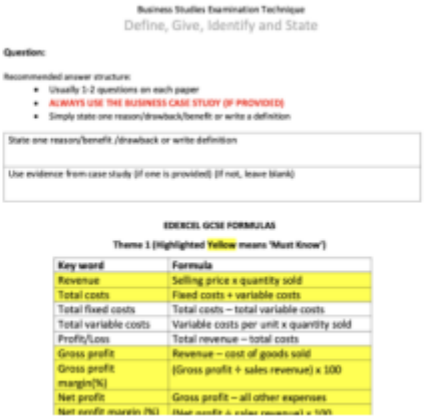
Theme 1 only – Topic 1.1 to 1.5 (Paper 1 – 1 hour and 45 mins)

Knowledge Organisers	Theme 1 – Paper 1	Knowledge Organisers	Theme 2 – Paper 2
Topic 1.1 Enterprise and Entrepreneurship	1. Introduction Lesson	Topic 1.4 Making the business effective	1. Options for start-up & small businesses (Part1)
	2. The Dynamic Nature of Business		2. Options for start-up & small businesses (Part2)
	3. Risk and Reward		3. Business Location
	4. The Role of Business Enterprise		4. Marketing Mix (Part 1)
Topic 1.2 Spotting a Business Opportunity	1. Customer Needs		5. Marketing Mix (Part 2)
	2. Market Research		6. Business Plans
	3. Market Mapping		
	4. Market Segmentation	Topic 1.5 Understanding external influences on business	1. Business Stakeholders
	5. The Competitive Environment		2. Technology and Business
Topic 1.3 Putting a business idea into practice	1. Business Aims and Objectives		3. Legislation and Business
	2. Business Revenues, Costs and Profits (Part1)		4. The Economy and Business
	3. Business Revenues, Costs and Profits (Part2)		5. External Influences-1 6. External Influences-2
	4. Cash and Cash Flow		
	5. Sources of Business Finance		

Revision resources:

Smart Revise https://smartrevise.online/

Exam Technique Guide (To Use) & Calculations - Students need to memorise the formulas and remember the command verb exam technique covered in this document.


Business Studies Examination Technique

Define, Give, Identify and State

Question:

Recommended answer structure:

- Usually 1-2 questions on each paper
- ALWAYS USE THE BUSINESS CASE STUDY (IF PROVIDED)
- Simply state one reason/drawback/benefit or write a definition

State one reason/benefit /drawback or write definition

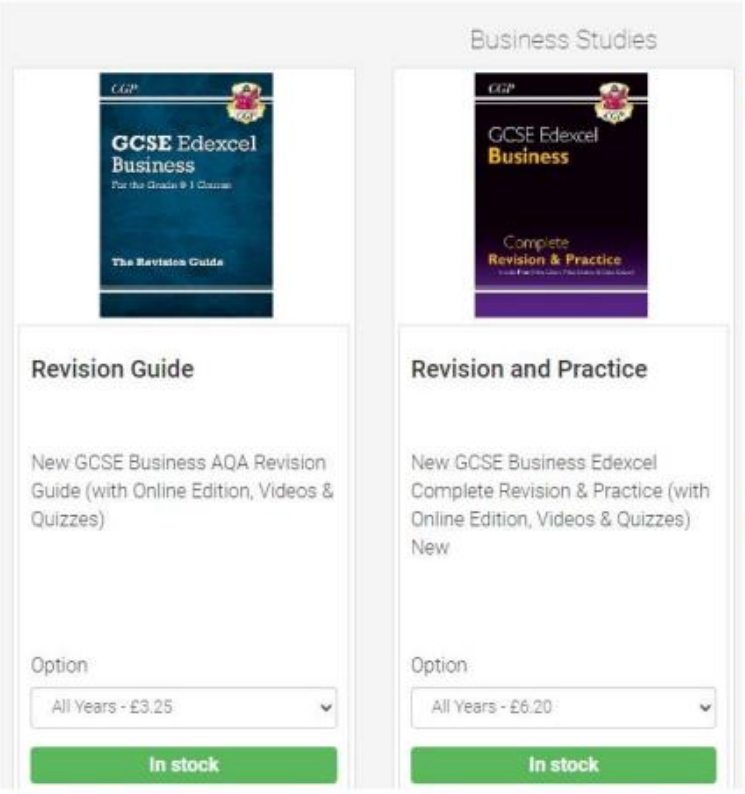
Use evidence from case study (if one is provided) (If not, leave blank)

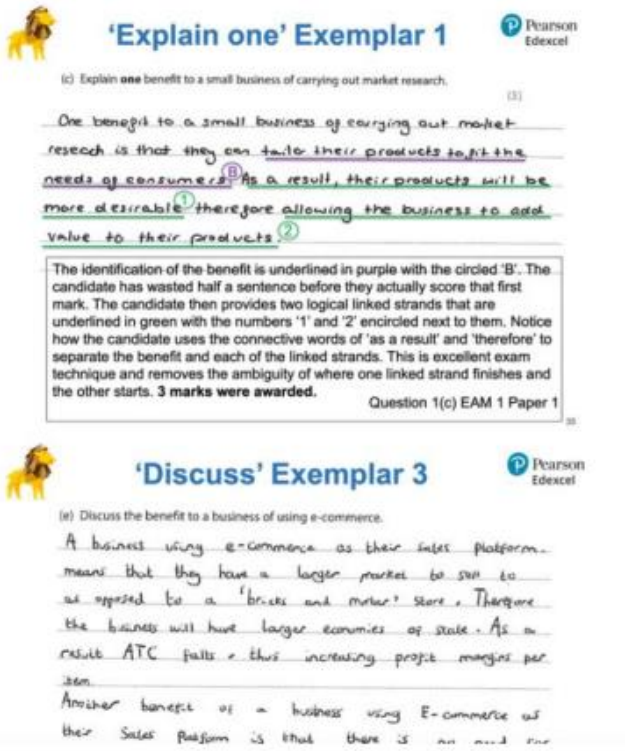
EDEXCEL GCSE FORMULAS

Theme 1 (Highlighted Yellow means 'Must Know')

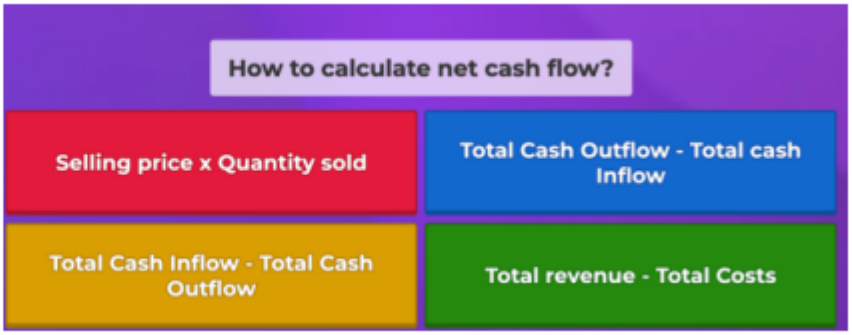
Key word	Formula
Revenue	Selling price x quantity sold
Total costs	Fixed costs + variable costs
Total fixed costs	Total costs – total variable costs
Total variable costs	Variable costs per unit x quantity sold
Profit/Loss	Total revenue – total costs
Gross profit	Revenue – cost of goods sold
Gross profit margin(%)	(Gross profit ÷ sales revenue) x 100
Net profit	Gross profit – all other expenses

[Helston Community College Shop (parentpay.com)]

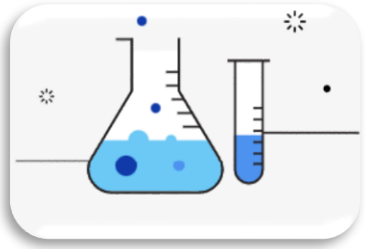




Use this Kahoot to practice your formulas! Press 'Play Solo' - [https://tinyurl.com/3fumj4eh]



Chemistry (including DA science): 18/11/2026



Topics to revise:

- C1 Atomic structure and the Periodic table
- C2 Bonding, structure and properties
- C3 Quantitative Chemistry
- C4 Chemical changes
- C5 Energy changes

Revision resources:

- A Showbie Science Revision room has been set up for you to join to have extra revision resources at your fingertips. Code: E7D4G3
- Knowledge organiser and checklists have been allocated via Showbie Science revision room these units.
- Six years of past papers have also been allocated to you to use for revision.
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- Seneca learning Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com)
-
- Cognito Resources - Past Papers - GCSE > Qs by Topic > Chemistry > AQA
- GCSE Chemistry (9-1) - YouTube

SENECA

C1 - Atomic Structure and the Periodic Table	Seneca Learning Combined Science: Biology Course: Atomic Structure and the Periodic Table Folder	
C2 - Bonding, Structure, and the Properties of Matter	Seneca Learning Combined Science: Chemistry Course: Bonding, Structure, and the Properties of Matter Folder	
C3 - Quantitative Chemistry	Seneca Learning Combined Science: Chemistry Course: Quantitative Chemistry Folder	
C4 - Chemical Changes	Seneca Learning Combined Science: Chemistry Course: Chemical Changes Folder	
C5 - Energy Changes	Seneca Learning Combined Science: Chemistry Course: Energy Changes Folder	
Chemistry Paper 1: Required practical	Required practical review of: Making salts, Electrolysis and Temperature changes.	

Computer Science: 12/11/2026 & 16/11/2026



Topics to revise:

J277/01 Computer Systems

J277/02 Computational thinking, algorithms and programming

Revision resources:

GCSE Computer Science - J277 Knowledge Organiser

Personal Learning Checklist J277

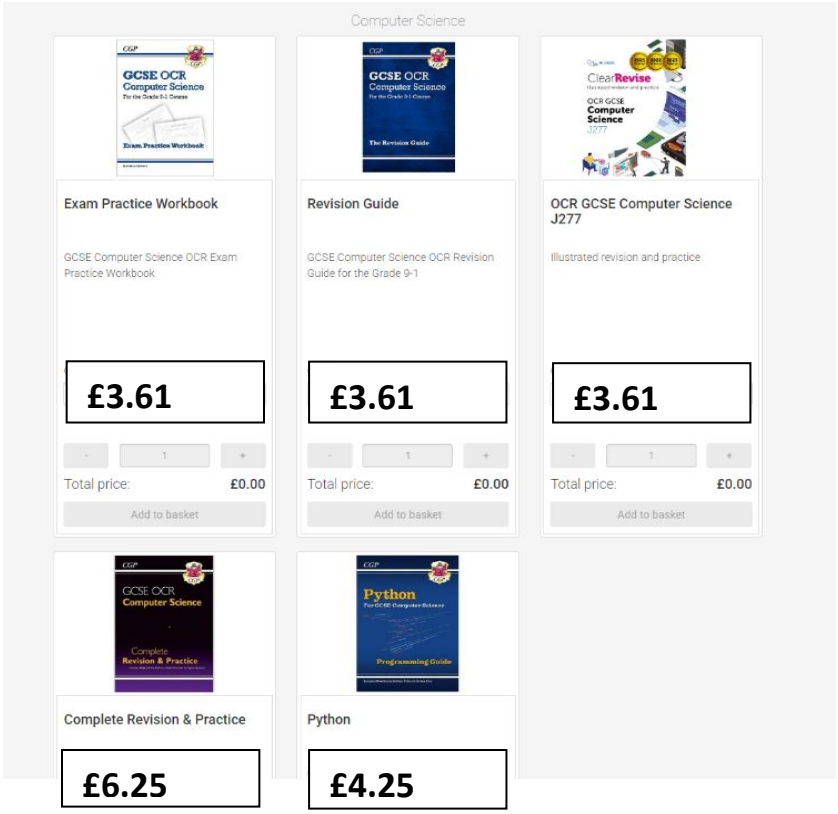
BBC Bitesize

Smart Revise

Isaac Computing Log in

Ada Computing Log in

Helston Community College Shop (parentpay.com)



Construction: 9/11/2026



Topics to revise:

Chapter 1 The Structure of The Industry

Chapter 2 Health and Safety

Revision resources:

Use the Showbie classroom: EZQCT6

Design Technology: 13/11/2026



Topics to revise:

Section A – Core Technical Principles – Broad coverage of the whole of the D&T Spec.

- A range of multiple-choice questions, worth 1 mark each, & full response questions, with marks noted next to each question.

Section B – Specialist Technical Principles – Coverage associated with selected processes & materials.

- Full response questions, with marks noted next to each question.
  - Manufacturing & Production – Processes
  - Maths – Using Data; Calculating Volume & %.
  - Materials – Sourcing, Properties, Characteristics & Aesthetics.

Section C – Designing & Making Principles

- Full response questions, with marks noted next to each question.
  - Manufacturing & Production.
  - ACCESS FM – Implementation for specification & product analysis.
  - Anthropometric/ Ergonomic.
  - Maths – Using Data; Calculating Volume; Calculating cost.
  - Technical Drawing – Methods of presentation.
  - Design Planning & Development.

Revision resources:

Resources associated with course content have been shared with every student, through Showbie. These include: General D&T revision resources; Past Papers; Knowledge Organisers, associated to project topics, delivered throughout the year.

- Other useful resources include:

BBC Bitesize	D&T Student	Dtteacher
GCSE Design and Technology - AQA - BBC Bitesize	Design & Technology Student	HOME | Dtteacher

Drama: 9/11/2026



The test will be a full question paper with questions on the set text (Macbeth) and Live Theatre.

Section A – Set Text

There will be a variety of questions about the play ranging from 1 mark to 15 marks.
During the test, you will write all answers for higher mark questions in continuous prose (paragraphed writing).

Topics to revise:

- Actors Skills
- The plot of Macbeth
- Your interpretation of the characters and how you would perform them
- Past set/costume/sound/lighting designs for the play
- Director's interpretations of the play
- Different types of staging (in-the-round, thrust, traverse, promenade and end on)

Resources:

- Macbeth play text (which you will have in the exam)
- BBC Bitesize - GCSE English Literature / Drama: Shakespeare Unlocked - Macbeth - BBC Teach
- BBC Bitesize - GCSE Drama - Eduqas - BBC Bitesize
- Macbeth lessons – in our Showbie class

Section B – Live Theatre

The test will be on the Live Theatre question. There will be one question, worth 15 marks about a play you have watched. During the test, you will write all answers in continuous prose (paragraphed writing).

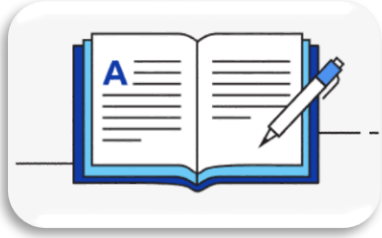
Topics to revise:

- Actors Skills
- Set/costume/lighting/sound design
- The plot of the production you have watched
- Your evaluation of the production – how you felt about it as an audience member
- Theatrical terms
- Types of staging

Resources:

National Theatre Log In (on Showbie)
Class work
BBC Bitesize - GCSE Drama - Eduqas - BBC Bitesize

English Language: 12/11/2026



Monday 12th November: Paper 2 – Non-Fiction reading and writing

Section A – 1 hour

Read TWO non-fiction extracts and answer the following questions:

1 – True or false – choose 4 true statements
2 – Write a summary of what you can infer about the differences between some shared detail in the two texts
3 – How has the writer used language to describe … (a specific detail in the text)?
4 – Comparison – what are the different feelings/attitudes/perspectives of the writers in the two texts towards a specific topic?

Section B – 45 minutes

5 - A piece of opinion writing on a given topic – it could be a letter, article or speech. You will get **ONE** task that you have to complete.

Revision resources:

Your independent study booklet includes all that you need to know! There are breakdowns for each question, including question scaffolds on each part of the paper.

- BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zcbchv4
- AQA https://www.youtube.com/playlist?list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox
- Mr Bruff: https://www.youtube.com/watch?v=yKZ_Tr2Y-CE&list=PLqGFsWf-P-cB-GSeqYup7PXId4pbldQVq
- Mr Sayles: https://www.youtube.com/watch?v=by4PIP6cblc&list=PLQovVw7yuGil2AG1sYMy64zueBxYXw9_B

How do I revise for English Language?

Section A – READING:

READ as much as you can! Try to vary your reading diet and then use the questions below to challenge yourself after you have read something.

Non-fiction texts: e.g. newspaper articles, magazine articles, speeches, reports, reviews.

- What was the text about?
- Can you summarise it?
- Which bits stood out to you and why?

- What kind of words did the writer use to make you interested? Any language or persuasive techniques (rhetorical devices) used? What do you think the effect of these are?
- What is the writer's point of view in the article? How does he/she get it across?

- ✓ Practise, practise, practise: this is a skills-based paper! Find a past paper with the insert. Practise highlighting the command words in each question in the Reading section. Divide-up the insert to reflect which questions focus on which parts. Then create a key for the different questions & highlight quotes that will help you answer each question. Then annotate the quotes for the effect on the reader & method that relate to each respective question. Practise planning a response to a writing task (bullet points, spider diagram, mind-map, flow chart or grid for Paper 2).

- ✓ Use your independent study & revision booklet to get an overview of each exam paper, exam good-practise advice & scaffolds to answer each question.

- ✓ Use the recommended websites listed on Showbie or the assessment & revision information sent out by the College.

- ✓ Paper 2: read & keep up to date with current affairs. Refer to websites like BBC News, The Guardian & The Independent.

- ✓ Buy revision guides available on the College Shop via Parent Pay.

- ✓ Search online for existing revision resources created by schools & other students.

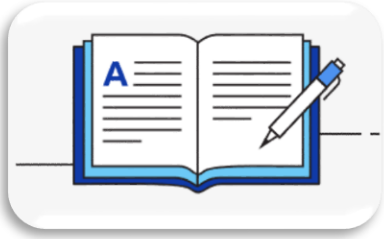
- ✓ Do DIT on a question that you have practised in lesson.

- ✓ Spend 15 minutes 'Preparing the Text' with a Paper 2 insert – highlight Q1 – 4's command words, divide the sources up to match the questions' focus, read the texts carefully, highlight key quotes then annotate them for methods (apart from Q2) & their effect on the reader. Do this regularly & you'll get more confident & quicker at it.

- ✓ Choose a Paper 2 writing question (Q5). Spend 10 minutes planning your answer, following your teacher's advice then spend 5 minutes writing opening paragraph.

- ✓ Focus your revision on the high tariff questions (Paper 2 Q4 & Q5).

English Literature: 10/11/2026



Topics to revise:

Wednesday 12th November: English Literature Paper 2

Section A: Modern prose or drama – 45 minutes
Answer ONE question from this section on your chosen text (An Inspector Calls)

Section B: Poetry (Power and conflict) – 45 minutes
ONE question: Compare how poets present … in '…' (named poem) and in one other poem from 'Power and conflict'

Section C: Unseen poetry – 45 minutes
Answer BOTH questions in this section

Revision resources:

Your English Literature revision pack includes all that you need to know! There are breakdowns for each question, including practice questions for each section.

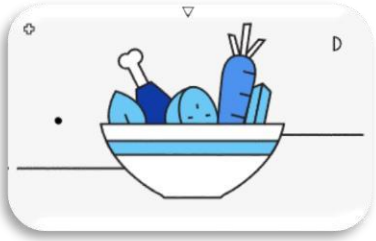
- BBC Bitesize:
  https://www.bbc.co.uk/bitesize/topics/zpr639q
  https://www.bbc.co.uk/bitesize/topics/zqtmg2p
- Think Lit
  https://thinklit.co.uk/aqa-power-conflict-anthology/
- Mr Bruff:
  https://www.youtube.com/playlist?list=PLqGFsWf-P-cBHOn9Mqo85KOPFHWwAUDik
- Mr Salles:
  https://www.youtube.com/playlist?list=PLQovVw7yuGiLoPbnOHf5Stxx95vZ3tlo2
  https://www.youtube.com/playlist?list=PLQovVw7yuGiKtrI648zI9eTArKjucajW-
  https://www.youtube.com/playlist?list=PLQovVw7yuGiK55_NoX2A9YDnb5VaDKuaG

How do I revise for English Literature?

- ✓ Read the text again.
- ✓ Find & watch a film / TV on a streaming platform.
- ✓ Buy a revision guide & / or workbook via Parent Pay.
- ✓ Find & listen to a reading / audio book version of the text available online.
- ✓ Search online for existing revision resources created by schools & other students that relate to the text.
- ✓ Go back over your notes & highlight the different types of information using the same colours for each group of information (based on themes or BIG ideas).
- ✓ Go back over your notes & write subheadings for each section of your notes in the margin that summarises what those notes focus on.

- ✓ Read your notes or watch / listen to the online resources listed on Showbie; summarise them on flashcards or make a mind-map (focused on plot, characters, quotes, themes or context).
- ✓ Create a character / text poster / collage / mood board.
- ✓ Create a timeline for the plot of the text.
- ✓ Remember quotes (for AIC, focus on a blend of themes & characters; for Power & Conflict poetry, focus on the recommended Top 5 poems) by copying them: use the 'look, say, cover, write, check' strategy.
- ✓ Remember & explore quotes by creating a quote explosion for each one.
- ✓ Create a meme for a range of key quotes.
- ✓ Self-quizzing: create flashcards or a Kahoot or Google Forms quiz on the text's plot, characters, quotes, themes or context.
- ✓ Do DIT on a previous assessment question.
- ✓ Use a past or sample paper (found on the exam board's website, online or on Showbie to practise planning & answering a question.
- ✓ Buddy-up with a friend & teach each other an aspect of the text (plot, characters, quotes, themes or context).

Food: 17/11/2026



Topics to revise:

Students will sit a full mock exam paper in November, lasting 1 hour 30 minutes.

C560UA0-1 – FOOD PREPARATION AND NUTRITION

Food Commodities
Principles of Nutrition
Diet and Good Health
The Science of Food
Food Spoilage and Safety
Where Food Comes From
Cooking and Food Preparation

Please revise all topics covered in Year 10 Food.

Revision resources:

Online Food Text book
Showbie Class Revision Resources
Revision Work Books (Parent Shop)

French: Listening/Reading: 13/11/2026; Writing: 19/11/2026



Topics to revise:

We are sitting 3 papers in the mocks

	Higher timings	Foundation timings
Listening	35	45
Reading	45	60
Writing	70	75

Listening exam:

Question styles include multiple choice, positive/negative/both, identifying tenses, short answers in English and dictation. Section A is question and answers in English and section is the dictation section where you need to write down as accurately as possible the phrases that you here in French. The exam includes 5 minutes reading time before the exam in which students can read through the paper and make any notes they wish - this is a good time to predict some of the vocabulary they may hear. You will also get 2 minutes at the end to read through and check answers.

Reading exam:

Question styles include multiple choice, positive/negative/both, identifying tenses, short answers in English and translation to English. Section A is question and answers in English and section B Translate sentences into English.

Writing exam

Foundation paper:

Write 5 sentences to describe a photo
Write a 50 word essay based on 5 prompts (can just be in one tense)
Grammar questions – choose the correct answer
Translation of 5 sentences to French
90 Word essay based on 3 bullet points - must use at least 3 tenses (choice of 2 questions)

Higher paper:

Translate 5 sentences to French
90 Word essay based on 3 bullet points - must use at least 3 tenses (choice of 2 questions)
150 word essay based on 2 bullet points where you need to show off complex grammar and varied vocab and structures. (choice of 2 questions)

Topics

The reading and listening papers will be proper past papers to give you a proper taste of the exam. You will be given Quizlet study decks to revise to help you with any topics we may not yet have covered in the paper. Keep revising these and your vocabulary from topics we have done. Use previous lessons on Showbie to

support you. Remember the key to success is having as broad a vocab as possible. For these exams you need to recognise rather than produce vocabulary

The writing exam will be based on topics we have covered therefore it could include

Holidays	School
Family and friends	Leisure and Technology
Healthy living and lifestyle	Environment

Revision resources:

There are lots of resources your showbie classroom from last year and this year.

These include:

- Quizlet vocabulary.
- Language gym
- Green vocabulary book for core course vocabulary
- Writing support mats.
- Grammar revision sheets on showbie
- Knowledge organisers.
- You can also use the revision guide and all classwork in your books.

Ensure that you revise the specific vocabulary decks on Quizlet for the listening and reading but be aware that there will also be other vocabulary that we have covered in topics taught to date so it is essential to include these in your revision programme.

For the writing revise key verbs in different tenses and transferable phrases to use no matter what titles you get by reviewing the different writing mats.

Geography: 10/11/2026 & 18/11/2026



Topics to revise:

Paper 1:
The Living world: Tropical Rainforests and Cold Environments
Physical Landscapes of the UK: Rivers and Coasts

Paper 2:
Urban issues and challenges (LIC/NEE) – (Case study – Lagos)
Changing economic world (Case Study - Nigeria)
Unseen fieldwork/ geographical Skills – This would ordinarily be in Paper 3.

Revision resources:

- Seneca - Learn 2x Faster (senecalearning.com)
- There is also a Showbie classroom for all year 11 students for revision purposes. The code for this Showbie class is: E2YFRK
- Internet Geography:
    1. The Living World - Internet Geography
    2. Physical Landscapes in the UK - Internet Geography
    3. Urban Issues and Challenges - Internet Geography
    4. The Changing Economic World - Internet Geography

1. Geographical Skills - Internet Geography

History: 9/11/2026, 13/11/2026



Topics to revise:

Students will sit two full mock exam papers* in November, each lasting 1 hour and 45 minutes. They will need to revise the following components:

Paper 1	9-11-26	The People's Health, 1250-present	The Elizabethans, 1580-1603
Paper 2	13-11-26	Living Under Nazi Rule, 1933-45	History Around Us: Pendennis Castle

***NOTE: Students will sit three papers in the final exams next summer. We will be studying the final component - The Making of America, 1789-1900 - in the spring term.**

Revision resources:

Targeted revision materials can be found in our Showbie

Access Code: EEFEEQ

Also, see these links to online materials and tests:

- BBC Bitesize: GCSE History - OCR B - BBC Bitesize
- Seneca: Seneca - Learn 2x Faster (senecalearning.com)

After school coaching will take place in the History Department on Wednesdays after half-term. All students are welcome.

CGP and Hodder GCSE History Revision Guides are available on *ParentPay* and, in addition, the English Heritage Guide to Pendennis Castle at a good price.

Maths: 11/11/26 Paper 1 (non-calculator), 16/11/26 Paper 2 (calculator), 20/11/26 Paper 3 (calculator)



You will have 3 exam papers lasting 1 hour 30 minutes each.
The dates are listed above.

The exams will cover the full GCSE course, so there may be some questions on topics that you have not covered yet. You should try every question on each paper, but do not worry if you cannot do a question, just move on to the next one.

You should focus your revision on the topics you have studied so far in your Year 10 and Year 11 maths lessons. The table below summarises the modules you have covered on your learning journey so far.

There are two tiers: Higher Tier and Foundation Tier.

- At Higher Tier students can achieve grades 4 to 9
- At Foundation Tier students can achieve grades 1 to 5

Make sure you know which tier you are following. Ask your teacher if you are unsure.

Summary of modules covered so far during Year 10 and Year 11

Module Number	Module Title
1	Congruence, Similarity and Enlargement
2	Trigonometry and Pythagoras' Theorem
3	Equations and Inequalities
4	Simultaneous Equations
5	Angles and Bearings
6	Working with Circles
7	Vectors
8	Ratios and Fractions
9	Percentages & Interest
10	Probability
11	Delving into Data
12	Non-calculator Methods
13	Types of Number and Sequences
14	Indices and Roots
15	Manipulating algebra
16	Gradients and Lines
17	Non-linear graphs
18	Using graphs
19	Expanding and Factorising

Equipment

You need to bring the correct equipment to each exam (black pen, ruler, pencil, protractor and pair of compasses) and remember to bring your calculator for the second and third papers. A pencil sharpener and an eraser are also recommended.

It is important to check that your calculator is in 'degrees' mode for it to work properly. You also need to know how to turn your answers into decimals – see your maths teacher if you are unsure.

You will be provided with tracing paper and a formulae sheet. It is recommended that you bring spare pens.

Revision resources

Sparx Maths Independent Learning	• Go to www.sparxmaths.com and log-in. • Click on the 'Independent Learning' tab on the panel on the left of the screen. • Make sure to select your curriculum as 'GCSE'. Here is a screenshot of the main independent learning page:  Every topic in the syllabus is included. You should select topics from the key objectives lists below to work on. The questions are split into 'introduce', 'strengthen' and 'deepen'. You should work your way through each of the sections. A video is attached to every question to help explain the skill required if needed. You can adjust the difficulty of the questions, as necessary. There are 5 levels to choose from with level 1 being the easiest and level 5 being the hardest.
Maths Watch Login Details	**MathsWatch Login Details** To work out your username, you use the following: [Year you started at HCC][First name].[Surname]@helston e.g. James Smith-Jones in Year 10 who started at Helston in Sept 2022 would have this username: 22james.smith-jones@helston Write your login here: Everyone's password is 'hexagon'
Maths Watch Print worksheets or complete interactive questions from MathsWatch	• Go to www.mathswatch.co.uk/vle and log in using your username and password • Click 'Videos' • Under 'Find a Clip', select 'GCSE' as the qualification • In 'Search' type in the topic you are looking for • In the 'Choose Clip' box, select the clip you are looking for – this will bring up the video in the 'Video' box Now that you have the correct clip, look at the top right hand corner of the video box: • Worksheet – if you click this, it will bring up a pdf that you can print off to complete • Interactive questions – if you click this, it will bring up some questions you can complete online and will be marked automatically when you click 'Submit Answer'
Showbie	Your teachers have uploaded many resources onto your maths Showbie classes. Review these resources again to help revise the work you have covered this year.

This document supports revision for the November mock exam. It covers all 19 modules studied so far, following the White Rose Maths GCSE scheme of work.

Use the tick boxes to track your revision. Additional Higher Tier objectives are listed separately.

Module 1: Congruence, Similarity and Enlargement

Main Objectives

	Objective	Sparx Code	✓
1	Enlarge shapes using integer and fractional scale factors	U519	☐
2	Identify and compare similar shapes	U112	☐
3	Find missing lengths and angles in similar shapes	U578	☐
4	Apply parallel line rules to find missing angles	U826	☐
5	Understand congruence and similarity conditions	U790, U551	☐

Higher Tier Objectives

H1	Enlarge shapes using negative scale factors	U134	☐
H2	Explore area and volume scale factors	U110	☐
H3	Prove triangle congruence	U887	☐

Module 2: Trigonometry and Pythagoras' Theorem

Main Objectives

	Objective	Sparx Code	✓
1	Use Pythagoras' Theorem in right-angled triangles	U828, U385	☐
2	Use sine, cosine and tangent to find missing sides	U605, U283	☐
3	Use trigonometry to find angles	U545	☐

Higher Tier Objectives

H1	Use trigonometry in 3-D problems	U170	☐
H2	Use sine rule and cosine rule	U952, U591	☐
H3	Find the area of a triangle using trigonometry	U592	☐

Module 3: Equations and Inequalities

Main Objectives

	Objective	Sparx Code	✓
1	Solve one-step and two-step equations	U755, U325	☐
2	Solve equations with the unknown on both sides	U870	☐
3	Solve linear inequalities	U759	☐
4	Represent inequalities on number lines	U509	☐
5	Form equations from problem situations	U599	☐
6	Draw straight line graphs	U741	☐

Higher Tier Objectives

H1	Solve equations graphically	U133	☐

H2	Solve quadratic equations and inequalities	U960, U228, U133	☐

Module 4: Simultaneous Equations

Main Objectives

	Objective	Sparx Code	✓
1	Solve simultaneous equations by substitution	U757	☐
2	Solve simultaneous equations by elimination	U760	☐
3	Solve simultaneous equations using graphs	U836	☐

Higher Tier Objectives

H1	Solve linear and quadratic simultaneous equations	U547	☐

Module 5: Angles and Bearings

Main Objectives

	Objective	Sparx Code	✓
1	Use compass directions and bearings	U525	☐
2	Measure and interpret bearings	U525	☐
3	Draw and interpret scale diagrams	U257	☐
4	Calculate bearings using angle rules	U107	☐

Higher Tier Objectives

H1	Solve bearings problems using trigonometry	U164	☐

Module 6: Working with Circles

Main Objectives

	Objective	Sparx Code	✓
1	Calculate the area and circumference of a circle	U950, U604	☐
2	Label parts of a circle	U767	☐
3	Calculate arc lengths and sector areas	U221, U373	☐
4	Use surface area and volume of prisms, cylinders, cones and spheres	U929, U259, U464, U523, U893	☐

Higher Tier Objectives

H1	Apply circle theorems	U808, U489	☐
H2	Solve area and volume similarity problems	U110	☐

Module 7: Vectors

Main Objectives

	Objective	Sparx Code	✓
1	Represent vectors and use notation	U632	☐
2	Add and subtract vectors	U903	☐
3	Use scalar multiplication	U564	☐

Higher Tier Objectives

H1	Use vectors to explore geometry	U781	☐

H2	Form vector proofs such as parallel vectors	U660, U560	☐

Module 8: Ratios and Fractions

Main Objectives

	Objective	Sparx Code	✓
1	Share quantities in a given ratio	U577	☐
2	Solve best buy problems	M681	☐
3	Solve problems with currency conversion	U610	☐
4	Combine ratios	U921	☐

Higher Tier Objectives

H1	Solve ratio problems involving area and volume	U595	☐
H2	Link ratios with algebra	U676	☐

Module 9: Percentages & Interest

Main Objectives

	Objective	Sparx Code	✓
1	Calculate percentages of amounts	U554, U349	☐
2	Increase and decrease by a percentage	U773, U671	☐
3	Calculate simple and compound interest	U533, U332	☐
4	Calculate the original value after a percentage change	U286	☐

Higher Tier Objectives

H1	Repeated percentage change and growth problems	U988	☐
H2	Understand and use iterative processes	U434, U168	☐

Module 10: Probability

Main Objectives

	Objective	Sparx Code	✓
1	Calculate probabilities of events	U510	☐
2	Use probability trees for independent events	U558	☐
3	Use experimental data	U166	☐
4	Find probabilities from tables, Venn diagrams and frequency trees	U280	☐

Higher Tier Objectives

H1	Use tree diagrams for dependent events	U729	☐
H2	Use conditional probability	U246, U699, U806	☐

Module 11: Delving into Data

Main Objectives

	Objective	Sparx Code	✓
1	Calculate and interpret averages including from a table	U260, U456, U456, U291, U569	☐
2	Interpret charts and graphs	U557, U653	☐
3	Construct scatter graphs and use lines of best fit	U199, U128, U277	☐

4	Construct and interpret pie charts	U508, U172	☐

Higher Tier Objectives

H1	Use histograms and cumulative frequency graphs	U814, U983, U182, U642	☐
H2	Compare distributions including from box plots	U507	☐

Module 12: Non-calculator Methods

Main Objectives

	Objective	Sparx Code	✓
1	Use mental and written methods for the 4 operations (including decimals)	U478, U127, U293, U453	☐
2	Round to decimal places and significant figures	U298, U731, U965	☐
3	Estimate calculations	U225	☐

Higher Tier Objectives

H1	Understand and use surds	U338, U633, U872, U499	☐
H2	Solve problems involving bounds	U657, U587	☐

Module 13: Types of Number and Sequences

Main Objectives

	Objective	Sparx Code	✓
1	Find HCF and LCM	U529, U751	☐
2	Express a number as a product if its primes	U739	☐
3	Continue and describe number sequences	U530, U978	☐
4	Find nth term of linear sequences	U498	☐
5	Continue and explore non-linear sequences such as geometric and Fibonacci sequences	U680	☐

Higher Tier Objectives

H1	Find nth term of quadratic sequences	U206	☐

Module 14: Indices and Roots

Main Objectives

	Objective	Sparx Code	✓
1	Calculate and use higher powers and roots	U851	☐
2	Apply the laws of indices, including multiplication/division of powers	U235, U694	☐
3	Use zero and negative indices	U694	☐
4	Calculate with numbers in standard form	U330, U534, U264, U290	☐

Higher Tier Objectives

H1	Estimate powers and roots	U299	☐
H2	Use fractional indices	U985, U772	☐

Main Objectives

	Objective	Sparx Code	✓
1	Simplify algebraic expressions by collecting like terms and applying index laws	U105, U662	☐

2	Expand and factorise algebraic expressions, including quadratics	U179, U768, U178	☐
3	Recognise and use algebraic identities and justify equivalence	U582	☐
4	Factorise expressions and use factorisation to solve quadratic equations	U365, U178, U228	☐

Higher Tier Objectives

H1	Simplify algebraic fractions by cancelling common factors	U103	☐
H2	Add, subtract, multiply and divide algebraic fractions	U685, U457, U824	☐

Module 16: Gradient and Lines

Main Objectives

	Objective	Sparx Code	✓
1	Find the gradient of a straight line	U477	☐
2	Find the equation of a straight line from its gradient and a point	U477	☐
3	Find the equation of a straight line from two points	U848	☐
4	Interpret and use equations of straight lines	U315, U669	☐

Higher Tier Objectives

H1	Find equations of parallel lines	U377	☐
H2	Find equations of perpendicular lines	U898	☐

Module 17: Non-linear Graphs

Main Objectives

	Objective	Sparx Code	✓
1	Plot and read quadratic graphs	U989, U667	☐
2	Plot and read cubic graphs	U980	☐
3	Plot and read reciprocal graphs	U593	☐
4	Recognise graph shapes and identify/interpret roots and intercepts	U667	☐

Higher Tier Objectives

H1	Understand and use exponential graphs	U229	☐
H3	Find/use the equation of a circle centred at (0,0)	U567	☐
H3	Find the equation of the tangent to a curve	U567	☐

Module 18: Using Graphs

Main Objectives

	Objective	Sparx Code	✓
1	Construct and interpret conversion graphs	U862	☐
2	Interpret and construct distance–time graphs	U403, U914	☐
3	Construct and interpret speed–time graphs	U937, U562	☐
4	Construct and interpret real-life graphs	U896, U862	☐

Higher Tier Objectives

H1	Recognise and interpret graphs representing direct and inverse proportion	U448	☐

Module 19: Expanding and Factorising

Main Objectives

	Objective	Sparx Code	✓
1	Expand and factorise expressions involving a single bracket	U179, U365	☐
2	Expand double brackets	U768	☐
3	Factorise quadratic expressions of the form x^2+bx+c	U178	☐
4	Solve quadratic equations by factorisation	U228	☐

Higher Tier Objectives

H1	Factorise quadratic expressions of the form ax^2+bx+c	U858	☐
H2	Factorise complex quadratics	U858	☐
H3	Complete the square	U397	☐

Music: 4/11/2026



Topics to revise:

Component 1. Understanding Music.
Section A: Listening/Unfamiliar
In Section A of the listening exam students must be able to listen attentively to unfamiliar music from the four areas of study to identify and accurately describe musical elements, musical contexts and use musical language (including staff notation).

Area of study 1: Western classical tradition 1650–1910

- The Coronation Anthems and Oratorios of Handel
- The Orchestra Music of Haydn, Mozart and Beethoven
- The piano music of Chopin and Schumann
- The Requiem of the late Romantic period
  Area of Study 1 revision

Area of study 2: Popular music

- Music of Broadway 1950s to 1990s
- Rock music of 1960s and 1970s
- Film and computer gaming music 1990s to present
- Pop music 1990s to present.
  Area of Study 2 revision

Area of study 3: Traditional music

- Blues music from 1920 – 1950
- Fusion music incorporating African and/or Caribbean music
- Contemporary Latin music
- Contemporary Folk music of the British Isles
  Area of Study 3 revision

Component 1. Understanding Music.
Section B: Study Pieces
In section B of the listening exam students must be able to critically appraise the music from two study pieces. Neither music notation or audio will be provided during the exam for the study pieces, therefore students must know the music in detail and memorise the key features

Study piece 1: Beethoven: Symphony No.1, Movement 1: Adagio molto – Allegro con brio
Beethoven Study piece revision

Study piece 2: Queen

- Bohemian Rhapsody
- The Seven Seas of Rhye
- Love of my Life

Queen study pieces revision

Other revision resources
Glossary, key vocabulary and key word cards
Past papers with audio tracks

Please note we have not yet studied Area of study 4. Students do not need to revise these topics for the mock exam. Please bear this in mind when attempting past papers

Area of study 4: Western classical tradition since 1910

- The orchestral music of Copland
- British music of Arnold, Britten, Maxwell-Davies and Tavener
- The orchestral music of Zoltán Kodály and Béla Bartók

Component 2: Performing Music

Students will produce recordings of two performances that will be marked by the teacher then sent to the exam board for moderation. There will be three recording days where students can complete their performing coursework. We strongly suggest that students work alongside their singing or instrument teacher at college who is an expert at preparing students for coursework.

- One solo performance
- One ensemble performance

Performing coursework recording 1	Week beginning 02/11/26
Performing coursework recording 2	Week beginning 01/02/27
Performing coursework recording 3	Week beginning 15/03/27

Component 3: Composing Music

Students will produce two compositions that will be marked by the teacher then sent to the exam board for moderation. We strongly suggest that students attend coursework support sessions on Wednesdays and Fridays after college to receive help and advice from their teachers. Please note that for each composition, students need to complete a programme note and score/lead sheet/aural guide. There are two separate deadlines for these documents.

Composition to a Brief deadline	02/12/26
Programme note and score/lead sheet/aural guide	16/12/26
Free Composition deadline	10/03/27
Programme note and score/lead sheet/aural guide	24/03/26

Support available

- Coursework support sessions Wednesdays and Fridays 3.30-4.30pm
- All singing and instrumental teachers at Helston Community College are experts in helping students prepare for performing coursework

Physics (including DA science): 19/11/2026

Checklist for Students:

- P1 Energy
- P2 Electricity
- P3 Particles
- P4 Radioactivity

Revision resources:

- A Showbie Science Revision room has been set up for you to join to have extra revision resources at your fingertips. Code: E7D4G3
- Knowledge organiser and checklists have been allocated via Showbie Science revision room these units.
- Six years of past papers have also been allocated to you to use for revision.
- Science afterschool support and coaching every Thursday in Lab 3. 3:15 to 4:30pm.
- Past papers – download straight from the AQA website AQA | Find past papers and mark schemes
- Revision guide, workbooks, revision card pack can be ordered from the school shop.
- Cognito videos with linked worksheets for each small topic/key concept Cognito - YouTube
- Seneca learning Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com)
- Cognito Resources - Past Papers - GCSE > Qs by Topic > Physics > AQA
- GCSE Physics (9-1) - YouTube

SENECA

P1 - Energy	Seneca Learning Combined Science: Physics Course: Energy Folder	
P2 - Electricity	Seneca Learning Combined Science: Physics Course: Electricity Folder	
P3 - Particle Model of Matter	Seneca Learning Combined Science: Physics Course: Particle Model of Matter Folder	
P4 - Atomic Structure	Seneca Learning Combined Science: Physics Course: Atomic Structure Folder	
Physics Paper 1: Required practical	Required practical review of: Specific heat capacity, Resistance, I-V Characteristics and Density.	

Spanish: Listening/Reading: 13/11/2026; Writing: 19/11/2026



Format of the Exams We are sitting 3 papers in the mocks

	Higher timings	Foundation timings
Listening	35	45
Reading	45	60
Writing	70	75

Listening exam:
Question styles include multiple choice, positive/negative/both, identifying tenses, short answers in English and dictation. Section A is question and answers in English and section is the dictation section where you need to write down as accurately as possible the phrases that you here in Spanish. The exam includes 5 minutes reading time before the exam in which students can read through the paper and make any notes they wish - this is a good time to predict some of the vocabulary they may hear. You will also get 2 minutes at the end to read through and check answers.

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Writing exam

Foundation paper:
Write 5 sentences to describe a photo
Write a 50 word essay based on 5 prompts (can just be in one tense)
Grammar questions – choose the correct answer
Translation of 5 sentences to Spanish
90 Word essay based on 3 bullet points - must use at least 3 tenses. (Choice of 2 questions)

Higher paper:
Translate 5 sentences to Spanish
90 Word essay based on 3 bullet points - must use at least 3 tenses (choice of 2 questions)
150 word essay based on 2 bullet points where you need to show off complex grammar and varied vocab and structures. (choice of 2 questions)

Topics
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The writing exam will be based on topics we have covered therefore it could include

- ✓ Leisure and Technology , celebrity culture
- ✓ Holidays , celebrations
- ✓ Family and friends
- ✓ Healthy living
- ✓ School
- ✓ My region

Revision resources:

- All lessons on Showbie
- Quizlet vocabulary decks.
- Red course vocabulary book
- Language gym

- Writing support mats.
- Grammar revision videos and sheets.
- Knowledge organisers.
- You can also use the revision guide if you have bought it and all classwork in your books/ online.

Revision Timetable

Date _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:45 - 9.05	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
9.10 -10.20	Break	Break	Break	Break	Break		
10.20 - 10.35	Lesson	Lesson	Lesson	Lesson	Lesson		
10.35 - 11.45	Changeover	Changeover	Changeover	Changeover	Changeover		
11.50 -1.00	Lesson	Lesson	Lesson	Lesson	Lesson		
1.00 - 1.40	Lunch	Lunch	Lunch	Lunch	Lunch		
1.40 - 2.00	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
2.00 - 3.15	Lesson	Lesson	Lesson	Lesson	Lesson		
3.15 - 4.15	A/S coaching	A/S coaching	A/S coaching	A/S coaching			
4:15 - 4:45							
4:45 - 5:15							
5:15 - 5:45							
5:45 - 6:15							
6:15 - 6:45							
6:45 - 7:15							
7:15 - 8:45							
4:15 - 4:45							

Topics to revise this week:

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Revision Timetable – half term

Date _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:45 - 9.05							
9.10 -10.20							
10.20 - 10.35							
10.35 - 11.45							
11.50 -1.00							
1.00 - 1.40							
1.40 - 2.00							
2.00 - 3.15							
3.15 - 4.15							
4:15 - 4:45							
4:45 - 5:15							
5:15 - 5:45							
5:45 - 6:15							
6:15 - 6:45							
6:45 - 7:15							
7:15 - 8:45							
4:15 - 4:45							

Topics to revise this week:

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Revision Timetable

Date _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:45 - 9.05	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
9.10 -10.20	Break	Break	Break	Break	Break		
10.20 - 10.35	Lesson	Lesson	Lesson	Lesson	Lesson		
10.35 - 11.45	Changeover	Changeover	Changeover	Changeover	Changeover		
11.50 -1.00	Lesson	Lesson	Lesson	Lesson	Lesson		
1.00 - 1.40	Lunch	Lunch	Lunch	Lunch	Lunch		
1.40 - 2.00	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
2.00 - 3.15	Lesson	Lesson	Lesson	Lesson	Lesson		
3.15 - 4.15	A/S coaching	A/S coaching	A/S coaching	A/S coaching			
4:15 - 4:45							
4:45 - 5:15							
5:15 - 5:45							
5:45 - 6:15							
6:15 - 6:45							
6:45 - 7:15							
7:15 - 8:45							
4:15 - 4:45							

Topics to revise this week:

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Revision Timetable

Date ____________

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:45 - 9.05	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
9.10 -10.20	Break	Break	Break	Break	Break		
10.20 - 10.35	Lesson	Lesson	Lesson	Lesson	Lesson		
10.35 - 11.45	Changeover	Changeover	Changeover	Changeover	Changeover		
11.50 -1.00	Lesson	Lesson	Lesson	Lesson	Lesson		
1.00 - 1.40	Lunch	Lunch	Lunch	Lunch	Lunch		
1.40 - 2.00	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
2.00 - 3.15	Lesson	Lesson	Lesson	Lesson	Lesson		
3.15 - 4.15	A/S coaching	A/S coaching	A/S coaching	A/S coaching			
4:15 - 4:45							
4:45 - 5:15							
5:15 - 5:45							
5:45 - 6:15							
6:15 - 6:45							
6:45 - 7:15							
7:15 - 8:45							
4:15 - 4:45							

Topics to revise this week:

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