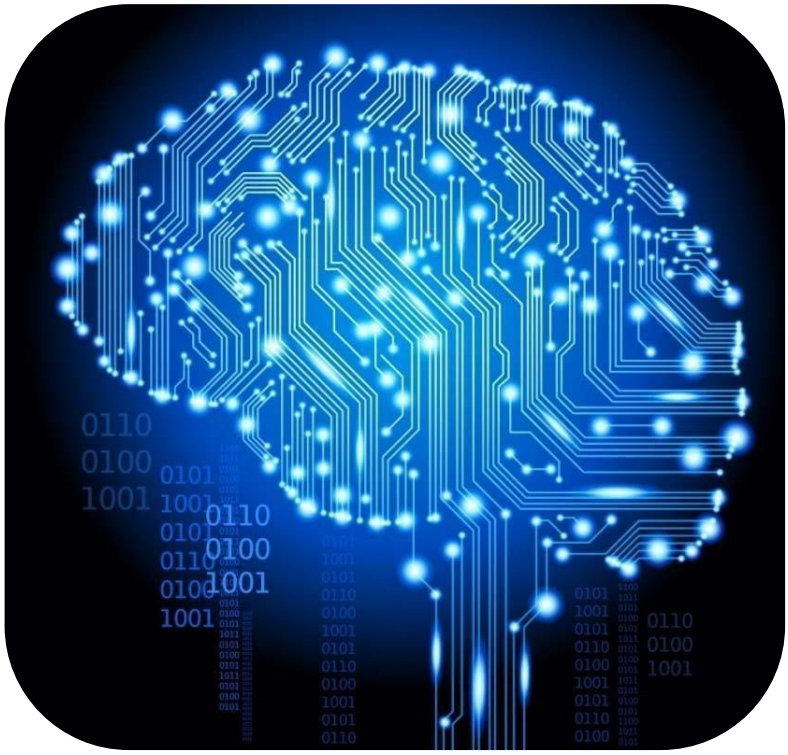
HELSTON COMMUNITY COLLEGE

ASPIRATION · AMBITION · ACHIEVEMENT



Year 10 Checkpoint 3 (Summer Assessments) Preparation Kit

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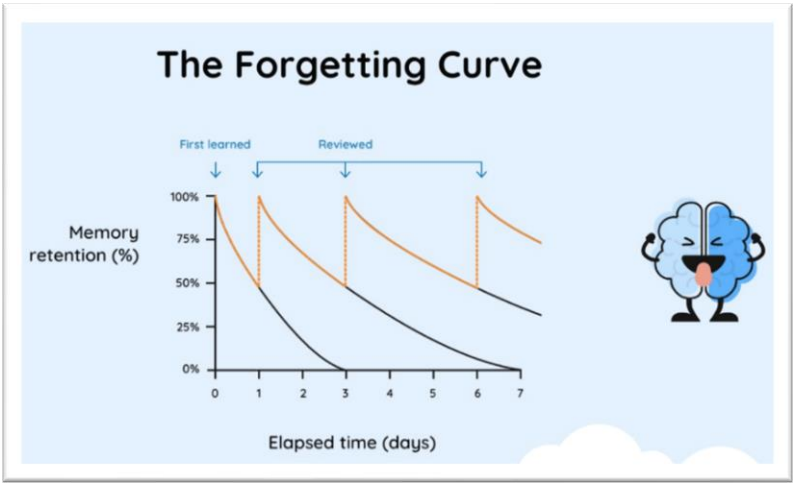
Why revise?



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 exams, 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**
   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.

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

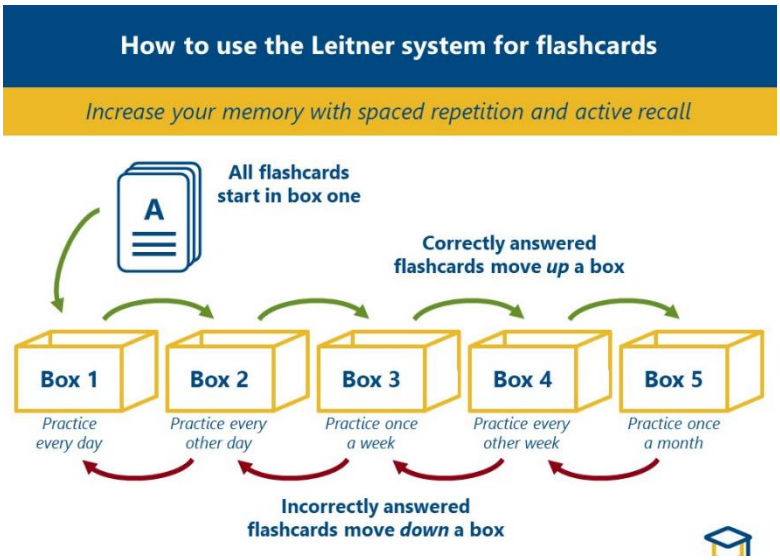
Flashcards

Summary: How to use flash cards

1. Identify knowledge	2. Colour coding	3. Designing	4. Using	5. Feedback
What are you creating flash cards on? Do you have your knowledge organizer? Use your book to look at previous misconceptions from whole class feedback.	Use different coloured flash cards for different topics. This helps with organization NOT recall	1 Question per flashcard. Making them concise and clear. Use a one word prompt, so that you can recall as much as you can. No extended answer questions.	Write your answers down, then check. Or say your answers out loud. This really clearly shows the gaps in your knowledge. Do not just copy & re-read. Shuffle the cards each time you use them. Use the Leitner system to use flash cards everyday.	How have you performed when you look back at your answers? Is there anything you need to revisit in more detail? Is your knowledge secure? If so, move onto applying knowledge in that area in specific extended exam questions.

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

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 pre-made 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.

What to do

- Each page has a list of topics or concepts which will be assessed in the Year 10 checkpoints. There are also links to revision resources on various websites. Use this alongside activities from tutor time to get ready for your Year 10 checkpoint.
- Subjects which are not running a tests as their form of assessment are not included in the guide.

Business Studies: 23/06/2026

Topics to revise:

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

Revision resources:

Smart Revise https://smartrevise.online/

https://drive.google.com/file/d/1fnwthmd8MwOk_Sq-OpkMllFhKeWn9zih/view?usp=sharing

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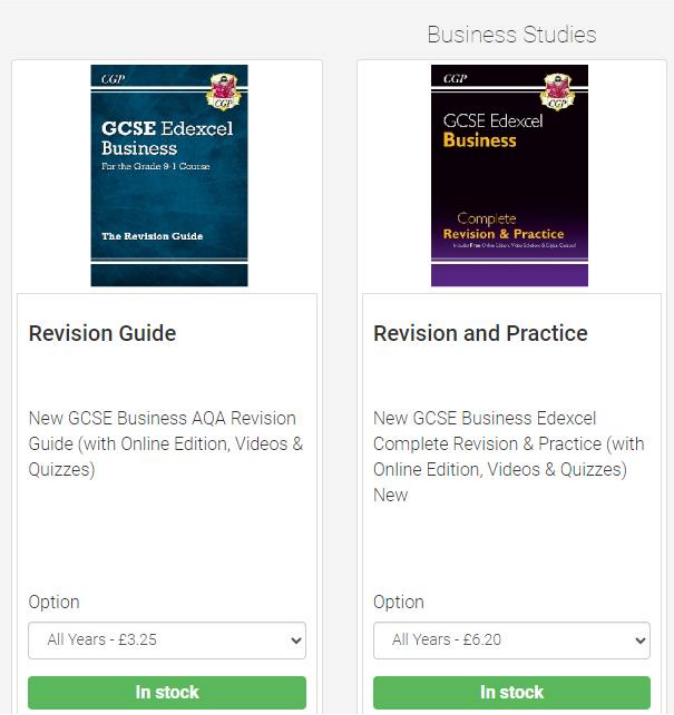


Computing: 16/06/2026, 25/06/2026, 23/06/2026 (for students with clashes)

Topics to revise:

GCSE Computer Science - J277 Knowledge Organiser	
Unit 1	**Unit 2**
1.1 – Systems architecture 1.1.1 Architecture of the CPU 1.1.2 CPU performance 1.1.3 Embedded systems 1.2 – Memory and storage 1.2.1 Primary storage (Memory) 1.2.2 Secondary storage 1.2.3 Units 1.2.4 Data storage 1.3 – Computer networks, connections and protocols 1.3.1 Networks and topologies 1.3.2 Wired and wireless networks, protocols and layers 1.4 – Network security 1.4.1 Threats to computer systems and networks	2.1 – Algorithms 2.1.1 Computational thinking 2.1.2 Designing, creating and refining algorithms 2.1.3 Searching and sorting algorithms 2.2 – Programming fundamentals 2.2.1 Programming fundamentals 2.2.2 Data types 2.3 – Producing robust programs 2.3.1 Defensive design 2.3.2 Testing 2.4 – Boolean logic 2.4.1 Boolean logic

Revision resources:

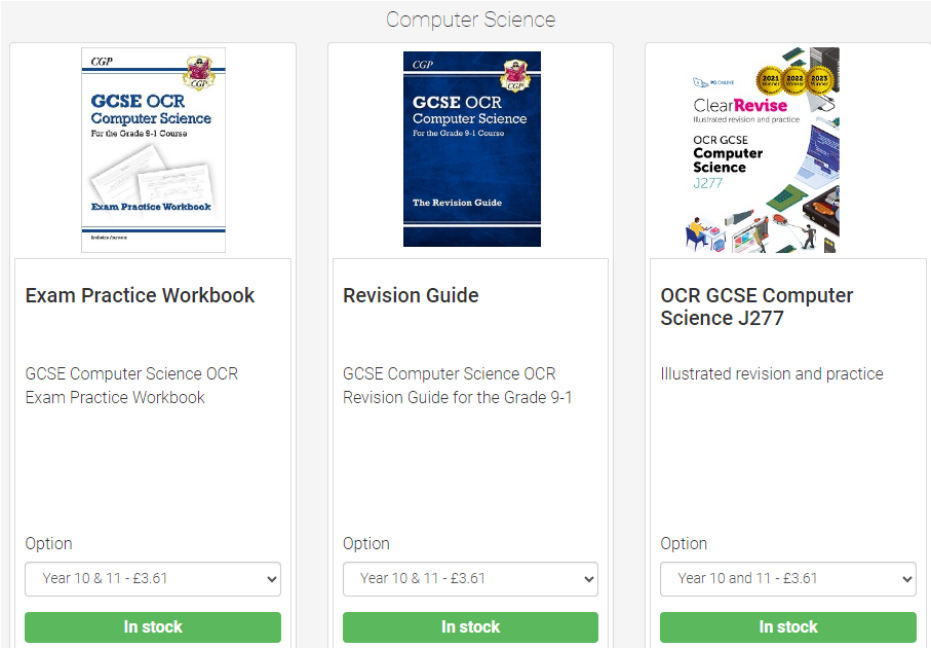
Google Classroom: 10Cp.A https://classroom.google.com/w/Nzc1MTU2MDA3Mjc0/t/all

Tassomai https://app.tassomai.com/login

Login — Isaac Computer Science

Personal Learning Checklist J277:
https://classroom.google.com/c/NzEwNTQzODc1OTQ2/a/NzYwMDQ0NDUyOTA2/details

Helston Community College Shop (parentpay.com)



Construction: 16/06/2026

Topics to revise:

Chapter 1 The Structure of The Industry

- Types of construction work: new build, maintenance, refurbishment, restoration.
- Key roles: architect, quantity surveyor, craft worker, site agent, operatives.
- Types of buildings: residential, commercial, industrial; low/medium/high-rise.
- Communication: verbal, written, body language; key documents like drawings and timesheets.
- Routes into construction: apprenticeships, NVQs, employment rights.

Chapter 2 Health and Safety

- Health and Safety at Work Act; COSHH, RIDDOR, PPE rules.
- Manual handling and correct lifting techniques.
- Fire safety: types of fires and extinguishers, fire triangle.
- Safety signs: prohibition, mandatory, warning, and information.
- Reporting accidents and near misses.

Revision resources:
exam revision (google.com)

There are full revision guides in Showbie. Use the content to make revision cards and test yourself!
Construction10Mg.B (LCD NPH)) - My Showbie
10Cn.A - My Showbie
10Cn.D - My Showbie

Design Technology (Engineering): 18/06/2026

Topics to revise:

Technical Knowledge – Core Technical Principles – Broad coverage of the topics so far.

- Materials – Properties & characteristics; Stock forms & standard components.
- Data – Calculation; Use of data, diagrams, charts; Drawing & interpreting graphs.
- Wider implications – Context & usability; Opportunities & constraints; New & emerging processes, technologies & ethics.

Visual Communication – Coverage associated with selected presentation processes, covered as part of the Visual Communication project.

- Technical Drawing – Isometric; One point perspective; Two point perspective; 3rd angle orthographic; Exploded diagram; Rendering.

Technical Skills – Practical processes covered as part of the practical project carried out so far this year.

- Manufacturing – Properties & characteristics; Standard components; Production methods; Jigs; templates & patterns.

Revision resources:

Resources associated with course content have been shared through Google Classroom. These include: General D&T revision resources; Past Papers; Knowledge Organisers, associated to project topics, delivered throughout the year. In addition to the Google Classroom, pupils have access to the D&T SENECA platform (link shared through Google Classroom & Class Charts).

Other useful resources include:

BBC Bitesize	Seneca	Dtteacher
GCSE Design and Technology - AQA - BBC Bitesize	https://app.senecalearning.com/	HOME | Dtteacher

Drama: 18/06/2026

Topics to revise:

Section A– Set text – a series of questions about "Macbeth"

- **Look in Showbie – I have put all the lessons we did in there.**
- **Watch a version of the play if you can – use our National Theatre log-in in Showbie**
- **Main characters:**
- **What are they like?**
- **How would you communicate the character to an audience?**
- **How do they interact with other characters?**
- **How you would use your vocal and physical skills to communicate meaning to an audience**
- **Style of the play**
- **Design elements – costume (hair and make-up included), set (props included), lighting and sound**
- **How the play was originally staged**

We are not doing a section B question this time round but that will be in the Autumn mock exams!

Resources:

Resources in Showbie

Preparing for the written exam - How to answer set text exam questions - Eduqas - GCSE Drama Revision - Eduqas - BBC Bitesize

English Literature 23/06/2026

(English Literature) – Romeo & Juliet & Power & Conflict Poetry. The assessment will last 1 hour & 45 mins.

Romeo & Juliet

• Plot: Key events & structure
• Characters: Romeo, Juliet, Mercutio, Tybalt, Nurse, Friar Lawrence, Capulet & Lady Capulet
• Themes: Love, conflict, fate, family relationships, youth vs. age, societal expectations, religion
• Language: Imagery, figurative language (metaphor, simile & personification), dramatic irony, verse forms
• Context: Elizabethan views on love, honour, loyalty & patriarchy; Shakespearean tragedy, The Great Chain of Being
• Quotes: 3 – 6 per key theme/main character

Power & Conflict Poetry

• Poems: Know all the poems you have studied so far (form, structure, themes, tone, techniques) – focus particularly on the core poems: Ozymandias, Exposure, Storm on the Island, Remains & London
• Themes: effects of power (nature / humans), consequences of conflict, effects of war, identity, memory
• Comparison: Link poems by theme / language / structure
• Techniques: imagery, figurative language (metaphor, simile & personification), structure, tone
• Context: the poet's background & message (intention for writing poem), Romanticism, societal expectations at the time the poem was written

Revision resources:

BBC GCSE Bitesize:

www.bbc.co.uk/bitesize/topics/zqhkxsg	www.bbc.co.uk/bitesize/topics/zprysg8	www.bbc.co.uk/bitesize/guides/zwh6xsg/revision/5

Mr Bruff Revision Videos:

www.youtube.com/playlist?list=PLqGFsWf-P-cB7YAoARj6iAFCglAfy9aN2	www.youtube.com/playlist?list=PLqGFsWf-P-cAO64lBHZTFwTz2X0DD_Cxk

Mr Salles Revision Videos:

www.youtube.com/playlist?list=PLQovVw7yuGiKPblGVB90-IJ5zh9P8hfmB	www.youtube.com/playlist?list=PLQovVw7yuGiKOqaF2JKpNXuRHvOf1Dmiv

Royal Shakespeare Company:

Think Lit (Power & Conflict Poetry):

https://www.rsc.org.uk/shakespeare-learning-zone/romeo-and-juliet	https://thinklit.co.uk/aqa-power-conflict-anthology/

English Language: 18/06/2026

Topics to revise:

(English Language) Paper 1 Section A – Reading: language & structure analysis & Section B – Writing: descriptive or narrative writing. The assessment will last 1 hour & 45 mins.

Skills to Revise (Section A)

Language Analysis:

- Word choices, phrases, imagery, figurative language
- Effects on the reader

Structure Analysis:

- Narrative perspective, shifts in focus, foreshadowing, dialogue
- Paragraph links & contrasts, sentence structure (varied sentence lengths), openings/endings

Inference & Interpretation:

- What's implied vs. stated
- Character, setting, mood

Evaluation:

- How effectively the writer achieves their purpose

Techniques to Spot

- Simile, metaphor, personification
- Juxtaposition, contrast, repetition (patterns)
- Zooming in/out, flashbacks, cliff-hangers

Skills to Revise (Section B)

- Planning engaging ideas
- Communicating ideas clearly
- Using a range of methods (language techniques)
- Using ambitious vocabulary
- Structuring ideas in an interesting way
- Varying punctuation for effect
- Varying sentence lengths for effect
- Accurate spelling & punctuation

Revision resources:

BBC GCSE Bitesize:

https://www.bbc.co.uk/bitesize/topics/zh9b239/watch/zh44h4j	https://www.bbc.co.uk/bitesize/topics/z3v3239/watch/zy77b7h

https://www.bbc.co.uk/bitesize/topics/zh9b239/watch/zvjjvj6	Writing fiction - Writing skills: Video playlist - BBC Bitesize

https://www.bbc.co.uk/bitesize/topics/zct73qt/watch/zcnndnb	https://www.bbc.co.uk/bitesize/topics/zct73qt/watch/zt7kp9q
https://www.bbc.co.uk/bitesize/topics/zct73qt/watch/zm72g2p	

AQA Spotlight on GCSE English Language:

www.youtube.com/watch?v=iJaMmemtWac&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=2&t=409s	www.youtube.com/watch?v=JsB9qPQReiE&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=6	www.youtube.com/watch?v=9ZQ3Ux3A84c&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=7

www.youtube.com/watch?v=2Rucw1dR5AE&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=8	www.youtube.com/watch?v=9ErbX_4wYnQ&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=9

https://www.youtube.com/watch?v=b5NARtnA5vk&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=10	https://www.youtube.com/watch?v=_b7tE1IpuTE&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=11
https://www.youtube.com/watch?v=m1QcnK9N_-U&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=12	https://www.youtube.com/watch?v=RVa7oLD8JNE&list=PLBhgvcteMltjp11wShXfB91rxWv_MNrox&index=13

Mr Bruff Revision Videos:

www.youtube.com/watch?v=hMhQIX9DCcQ&list=PLqGFsWf-P-cAlttmXkEvJXCxqT-ZzFqAN&index=1	www.youtube.com/watch?v=L_dE68iUg-k&list=PLqGFsWf-P-cAlttmXkEvJXCxqT-ZzFqAN&index=2
www.youtube.com/watch?v=L1ZEBeVdh8U&list=PLqGFsWf-P-cAlttmXkEvJXCxqT-ZzFqAN&index=4	www.youtube.com/watch?v=Aul3_8iw2wM&list=PLqGFsWf-P-cAlttmXkEvJXCxqT-ZzFqAN&index=6

Mr Salles Revision Videos:

www.youtube.com/watch?v=V4IKRzto5Fk&list=PLQovVw7yuGiJG8GmuvrNISmB08U5sfURy&index=2	www.youtube.com/watch?v=nOhRlhO14ew&list=PLQovVw7yuGiJG8GmuvrNISmB08U5sfURy&index=7
www.youtube.com/watch?v=jRN6BWK6zwM&list=PLQovVw7yuGiJG8GmuvrNISmB08U5sfURy&index=8	www.youtube.com/watch?v=ISqZY2RCOgo&list=PLQovVw7yuGiJG8GmuvrNISmB08U5sfURy&index=9

Food Science and Nutrition: 25/06/2026

Topics to revise:

Topic Area	**Specific Content in the Paper**
Food Commodities	Cereals, dairy, eggs, flour, fats, vegetables
Nutrition	Vitamin C, minerals, fibre, carbohydrates
Food Science	Coagulation, gluten, shortening, thickening, yeast fermentation
Food Safety	Storage of cooked foods, bacterial growth
Food Preparation	Pastry, sauces, breadmaking
Food Choice	Food poverty, technology influencing choices

Revision resources:

Google Drive Exam Resources: Food GCSE Past Papers and Mark Schemes - Google Drive

Online Course Textbook: **https://illuminate.digital/eduqasfood/**

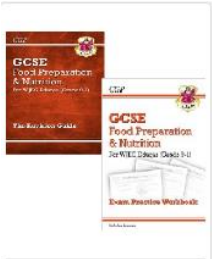
Personal Learning Checklist:
GCSE Food: Personal Learning Checklist - Revision - 10A GCSE Food - My Showbie
10Tf.C Food CMO - My Showbie

Showbie: Knowledge Organiser:
Resources - 10Tf.A Food MRe - My Showbie
10Tf.C Food CMO - My Showbie

Helston Community College Shop (parentpay.com)

Exam Practice Workbook

FOOD - Food Prep. & Nutrition 9-1 GCSE Exam Practice Workbook



French: 17/06/2026 (reading), 22/06/2026 (writing)

Topics to revise:

Reading paper: Revise the 4 modules we have covered so far which include Free time and technology, family, friends and celebrations, school life and Healthy living. In addition, there may be some topics we are yet to cover as we are giving you the opportunity to recall vocabulary from KS3 and use your reading strategies to help you with these questions.

The writing paper will focus only on the topics we have covered.

ASSESSMENT SKILLS:

Reading: The paper includes multiple choice, short answer comprehension questions, time frame questions, identification of whether opinions are positive, negative or both.

For the writing you will have to:

1: Write 5 basic sentences to describe what is in a photo

2: Create a a 50 word paragraph to include 5 given bullet points

3: Complete a small multiple choice grammar task.

4: Translate short sentences

5: Create a 90 word essay based on 3 bullet points, One will refer to the present, one to the past and one to the future.

GRAMMAR:

You will need knowledge of the present tense, near future and past (perfect and imperfect tenses). Understanding the use of negatives, opinions, comparisons and superlatives and adjectival agreement/position will be helpful to boost the range of your language.

Revision resources:

- Use previous lessons , vocabulary lists and sentence builders in Showbie to help you revise. (EV7YT9)
- Use online resources such as language gym , Quizlet and Languagesonline to practice vocabulary and grammar
- Create mind maps and flashcards to learn vocabulary and grammar points
- Revise a list of basic verbs in the 3 key tenses to boost accuracy in writing
- Learn useful words such as connectives, sequencing phrases, quantifiers, frequency phrases to help link your written work together.

Revise from your Green course vocabulary book, learning a few words a day and testing regularly will really broaden your vocabulary without overloading your brain!

- If you purchased a revision guide from the school, use it to revise your 3 key tenses (past, present ,future) and any of the topics mentioned above.

At this stage all students are going to take a Foundation tier paper to consolidate key skills acquired in year 10. This will mean that there will be a cap on grades achievable, with the maximum being a grade 5. Students will then get the opportunity in year 11 November mocks to try higher papers where appropriate.

Geography: 19/06/2026, 26/06/2026

Topics to revise:

Paper One

1. **Challenge of Natural Hazards** (Climate Change and Tectonic Hazards – Case studies Amatrice, Italy and Nepal)
2. **River Landscapes in the UK**

Paper Two

1. **Urban issues and challenges -** (Urbanisation and Case study of a city in a Lower Income Country or Newly Emerging Economy – Case study - LAGOS in Nigeria).
2. **Changing Economic World**(The Development Gap and closing it and A CASE STUDY how the changing economy of Lower Income Country or NEE which is Nigeria)

Revision resources:

SENECA	Seneca - Learn 2x Faster (senecalearning.com)
Internet Geography	The Challenge of Natural Hazards - Internet Geography Physical Landscapes in the UK - Internet Geography The Changing Economic World - Internet Geography Urban Issues and Challenges - Internet Geography
Revision resources will also be placed in your showbie classes in a Revision folder.	

Hair and Beauty: 16/06/2026

Topics to revise:

Unit 201 – Exploring the Hair and Beauty Sector

- Industries in the sector: hairdressing, beauty therapy, barbering, nail services, etc.
- Hair and beauty careers:
  - Roles and responsibilities
  - Services provided
  - Typical working hours and patterns
- Business and industry links:
  - Related industries (e.g. fashion, media, health)
  - Transferable skills used across sectors

Learning Outcome 2: Development of the Hair and Beauty Sector

- Hair and beauty through history:
  - Key trends from ancient times to the last 100 years
- Hair and beauty today:
  - Impact of technology and economic changes
  - Influence of culture, diversity, and celebrities

Unit 202 – The Science of Hair and Beauty

- Acids and alkalis:
  - Effects on hair and skin
  - pH testing methods and typical values for products
- Scientific principles of ingredients:
  - Functions and properties of common substances
  - Causes and signs of allergic reactions
- Ethical testing:
  - Why cosmetic testing is needed
  - Laws against animal testing
  - Organisations like PETA and RSPCA
  - Alternative, cruelty-free testing methods

Learning Outcome 2: Biology for Hair and Beauty

- Structure and function of:
  - Hair
  - Nails
  - Skin (epidermis, dermis, hypodermis)
- Skin, hair and nail conditions:
  - How they affect treatments and services
  - Contagious conditions: bacterial, fungal, viral, infestations
  - Non-contagious conditions and their impact
  - The body's defence against pathogens

Revision resources:

Showbie – all presentations that have been used in the lesson are available on Showbie
Key word book – this is an excellent revision tool to use, especially if someone else is quizzing you.
Your unit work booklets

History: 17/06/2026, 24/06/2026, 26/06/2026

Topics to revise:

There are two papers in your GCSE History mock exam and you need to revise everything you have studied in Y10 in both the People's Health and the Elizabethans components.

Note: you will NOT be given any questions Pendennis Castle (History Around US) this time.

- **PAPER 1: The People's Health, 1250 to present**
- Full past paper, 50 minutes, Wednesday 17th June at 9:00am
- **PAPER 2: The Elizabethans, 1580-1603,**
- Full past paper, 50 minutes, Wednesday 24th June at 11:45am

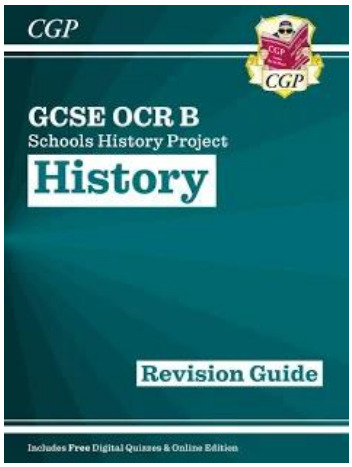
Revision resources:

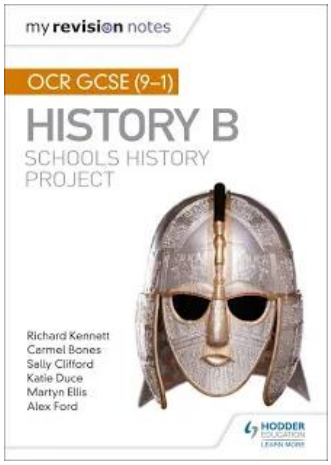
Showbie code: E3BQWV – "Year 10 Mock Exam (summer term 2026)" folder.

https://www.bbc.co.uk/bitesize/examspecs/zqkrbk7

Make sure you click on the right component - The People's Health and The Elizabethans.

Revision Guides for OCR SHP B History 9-1 also available in *Parentpay*:





Maths: 19/06/2026 (non calc), 25/06/2026 (calc)

You will have 2 exam papers lasting 1 hour each.
You will have a non-calculator paper and a calculator paper.

The assessment will mainly cover topics that have been studied this year but questions may include skills from Key Stage 3 too.
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

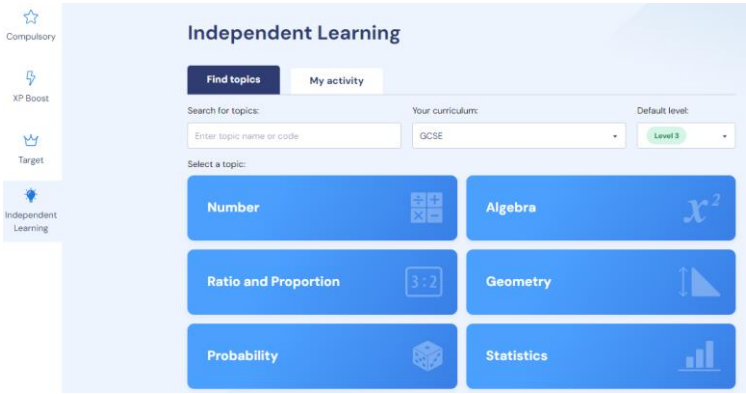
Module Number	Module Title
1	Congruence, Similarity and Enlargement
2	Trigonometry and Pythagoras' Theorem
3	Equations and Inequalities
4	Simultaneous Equations
5	Angles and Bearings
6	Working with Circles
7	Vectors
8	Ratios and Fractions
9	Percentages & Interest
10	Probability
11	Delving into Data
12	Non-calculator Methods
13	Types of Number and Sequences

Equipment

You need to bring the correct equipment to each exam (black pen, ruler, pencil, pencil sharpener and eraser) and remember to bring your calculator for the second paper. A protractor and a pair of compasses 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.

Revision resources

Sparx Maths Independent Learning	• Go to www.sparxmaths.com and log-in using the log-in details you created in class with your teacher. • 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 end-of-year assessment. It covers all 13 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.

Detailed Revision Objectives

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	☐

Music – 16/06/2026

Topics to revise:

AREA OF STUDY 1
Coronation Anthems and Oratorios of Handel
Orchestral music of Haydn, Mozart and Beethoven
Piano music of Chopin and Schumann
Requiems of the late Romantic period

AREA OF STUDY 2
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

QUEEN SET WORKS
Love of My Life
Seven Seas of Rhye
Bohemian Rhapsody

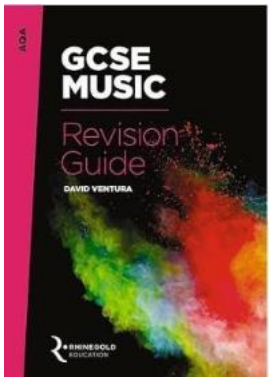
Revision resources:

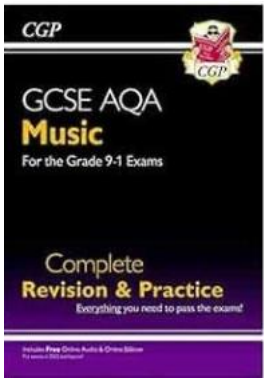
In the Showbie folder titled "Revision" you will find a folder named MOCK EXAM REVISION. All the revision resources you need are in there.

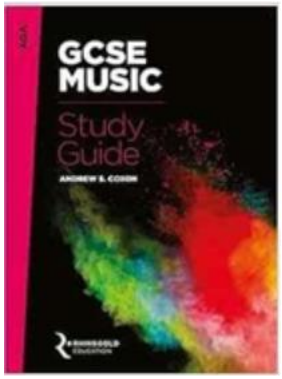
https://my.showbie.com/classes/621d3af23fdb4dc837dc9bf73a1849778472ebe4/topics/3194015/assignments

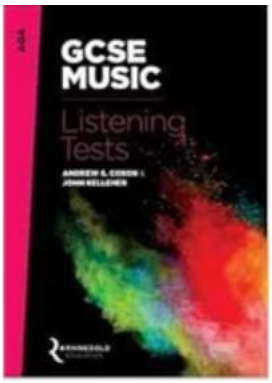
There are also some fairly good commercial books but make sure you get the AQA specification!

AQA GCSE









Music Revision Guide: Amazon.co.uk: David Ventura: 9781785581540: Books

Science and Triple Science – 22/06/2026 (biology), 24/06/2026 (chemistry), 26/06/2026 (physics)

Topics to revise:

Biology – all students	• B1 - Cell Biology • B2 - Organisation • B3 - Immunity and response	Monday 23rd - 60 mins
Chemistry – all students	• C1 - Atomic structure • C2 - Bonding, structure and properties • C3 - Quantitative Chemistry	Tuesday 24th - 60 mins
Physics – all students	• P1 - Energy • P3 - Particle model of matter • P4 - Atomic structure and Radioactivity	Thursday 26th - 60 mins

- Knowledge organiser, checklists and revision maps have been allocated to you via class charts.
- A set of exam questions has also been allocated for you to use as part of your revision.
- A Showbie Science revision room for you to join with additional revision resources – **Code: EJD4G3.**

Good resources for revision

- Past papers – download 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)

Content	**Details of resources available from Seneca learning.**	
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	
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	
P1 - Energy	Seneca Learning Combined Science: Physics Course: Energy 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	

Practical Content	Details of resources available from Seneca learning	
Biology: Required practicals	Required practical review of: Microscopy, Osmosis and Food tests.	
Chemistry: Required practicals	Required practical review of: Making salts.	
Physics: Required practicals	Required practical review of: Specific heat capacity and Density.	

Content	Resources available from Cognito		Details of video link from Cognito	
B1, B2 and B3	Cognito Resources - Past Papers - GCSE > Qs by Topic > Biology > AQA		GCSE Biology (9-1) - YouTube	
C1, C2 and C3	Cognito Resources - Past Papers - GCSE > Qs by Topic > Chemistry > AQA		GCSE Chemistry (9-1) - YouTube	
P1, P3 and P4	Cognito Resources - Past Papers - GCSE > Qs by Topic > Physics > AQA		GCSE Physics (9-1) - YouTube	

Spanish: 17/06/2026 (reading), 22/06/2026 (writing)

Topics to revise:

All themes studied to date which includes: Free time, technology, holidays and festivals, friends, family and my identity and Healthy living. In addition, there may be some topics we are yet to cover as we are giving you the opportunity to recall vocabulary from KS3 and use your reading strategies to help you with these questions.

The writing paper will focus only on the topics we have covered.

ASSESSMENT SKILLS:
Writing

You will have
1: Write 5 basic sentences to describe what is in a photo
2: Create a a 50 word paragraph to include 5 given bullet points
3: Complete a small multiple choice grammar task.
4: Short sentence translations
5: Create a 90 word essay based on 3 bullet points, One will refer to the present, one to the past and one to the future.

Grammar:
You will need to be able to work in the past, present and future tense
You will also need knowledge of general structuras such as opinon phrases, verb+infinitive, adjectival agreement, comparisons, direct object pronouns, word order, present continuous tense and conjugation of key verbs to be able to complete the grammar question and give variety and accuracy in the extended writing tasks.

Revision resources:

- Use the classroom notes from your books and Showbie lessons
- Use your Sentence builders for modules 1-4
- Revise course vocabulary from your red AQA vocabulary book
- Make mind maps and flashcards and use strategies such as the Leitner method, Look,write,cover,check and self-quizzing
- If you purchased a revision guide from the school, use it to revise your 3 key tenses (past, present ,future) and any of the topics mentioned above.
- Use online resources such as language gym , Quizlet and Languagesonline to practice vocabulary and grammar
- Use Seneca learning to boost your knowledge of themes and extend your vocabulary further

At this stage all students are going to take a Foundation tier paper to consolidate key skills acquired in year 10. This will mean that there will be a cap on grades achievable, with the maximum being a grade 5. Students will then get the opportunity in year 11 November mocks to try higher papers where appropriate.

Suggested timings and good habits

Suggested revision session timings

25 minutes on a topic
5 minutes break
25 minutes on a different topic
5 minutes break
25 minutes on a different topic
5 minutes break
25 minutes on a different topic.

This means you can revise four different topics in two hours. If you want to revise for a longer period, stick with the 25 minute sessions and do more of them (with 5 minute breaks in between).

In your breaks, make sure that you move around, drink water, eat something.

If you are planning to revise a topic for the first time, you may want to produce a mind map or make flash cards.

If you are revisiting a topic, then it would be sensible to focus on retrieving the mind map or the flash card from memory (then checking how successful you were in remembering the key information), or complete some past paper questions.

Reward yourself at the end of each productive revision session.

Avoid all distractions:

- ⇨ Be honest and strict with yourself;
- ⇨ Keep your TV, computer, laptop, phone, WhatsApp, Instagram, Snapchat and any games **away;**
- ⇨ Music can interfere with your thinking – switch it off until you have your break;
- ⇨ Do not waste time or delay starting.