



SMITHILLS SCHOOL
SUCCESS FOR ALL

Revision Booklet

How to revise – subject guide

This booklet is designed to give you advice about what effective revision is. It also includes subject specific revision guidance, including tools and websites that you can use to help you achieve the best possible results in your Year 11 exams.



Six Strategies for Effective Learning

LEARNINGSIENTISTS.ORG

All of these strategies have supporting evidence from cognitive psychology. For each strategy, we explain how to do it, some points to consider, and where to find more information.





LEARN TO STUDY USING...

Spaced Practice

SPACE OUT YOUR STUDYING OVER TIME

LEARNINGSOCIENLISTS.ORG

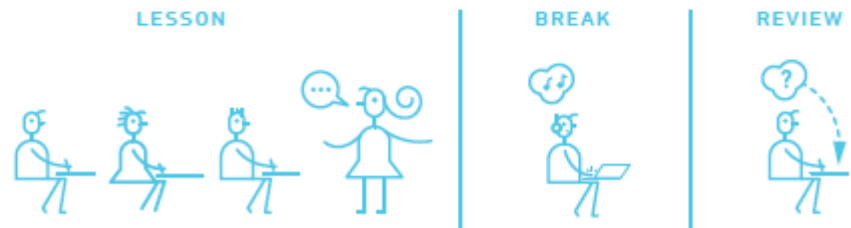


HOW TO DO IT

Start planning early for exams, and set aside a little bit of time every day. Five hours spread out over two weeks is better than the same five hours all at once.



Review information from each class, but not immediately after class.



After you review information from the most recent class, make sure to go back and study important older information to keep it fresh.



HOLD ON!

TESTING 1 2 SPACING 3 SKETCHING



When you sit down to study, make sure you are using effective study strategies rather than just re-reading your class notes.



This may seem difficult and you may forget some information from day to day, but this is actually a good thing! This forces you to retrieve information from memory (see Retrieval Practice poster).



Create small spaces (a few days) and do a little bit over time, so that it adds up!

RESEARCH

Read more about spaced practice as a study strategy

Benjamin, A. S., & Tullis, J. (2010). What makes distributed practice effective? *Cognitive Psychology*, 61, 228-247.



LEARN TO STUDY USING...

Retrieval Practice

PRACTICE BRINGING INFORMATION TO MIND

LEARNINGSOCIETISTS.ORG



HOW TO DO IT

Put away your class materials, and write or sketch everything you know. Be as thorough as possible. Then, check your class materials for accuracy and important points you missed.



Take as many practice tests as you can get your hands on. If you don't have ready-made tests, try making your own and trading with a friend who has done the same.



You can also make flashcards. Just make sure you practice recalling the information on them, and go beyond definitions by thinking of links between ideas.



HOLD ON!



Retrieval practice works best when you go back to check your class materials for accuracy afterward.



Retrieval is hard! If you're struggling, identify the things you've missed from your class materials, and work your way up to recalling it on your own with the class materials closed.



Don't only recall words and definitions. Make sure to recall main ideas, how things are related or different from one another, and new examples.

RESEARCH

Read more about retrieval practice as a study strategy

Roediger, H. L., Putnam, A. L., & Smith, M. A. (2011). Ten benefits of testing and their applications to educational practice. In J. Mestre & B. Ross (Eds.), *Psychology of learning and motivation: Cognition in education*, (pp. 1-36). Oxford: Elsevier.



LEARN TO STUDY USING...

Elaboration

EXPLAIN AND DESCRIBE IDEAS WITH MANY DETAILS

LEARNINGSOCIETISTS.ORG

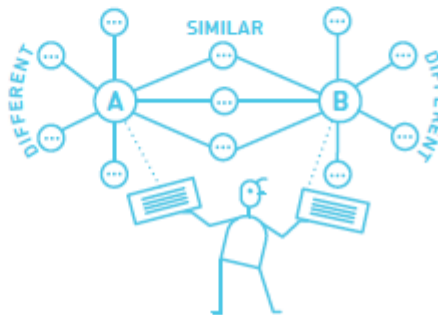


HOW TO DO IT

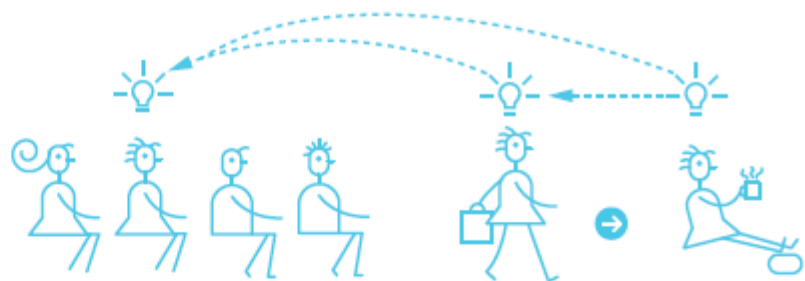
Ask yourself questions while you are studying about how things work and why, and then find the answers in your class materials and discuss them with your classmates.



As you elaborate, make connections between different ideas to explain how they work together. Take two ideas and think of ways they are similar and different.



Describe how the ideas you are studying apply to your own experiences or memories. As you go through your day, make connections to the ideas you are learning in class.



HOLD ON!



Make sure the way you are explaining and describing an idea is accurate. Don't overextend the elaborations, and always check your class materials or ask your teacher.



Work your way up so that you can describe and explain without looking at your class materials.

RESEARCH

Read more about
elaboration
as a study strategy

McDaniel, M. A., & Donnelly, C. M. (1996). Learning with analogy and elaborative interrogation. *Journal of Educational Psychology, 88*, 508-519.

Wong, B. Y. L. (1985). Self-questioning instructional research: A review. *Review of Educational Research, 55*, 227-268.



LEARN TO STUDY USING...

Interleaving

SWITCH BETWEEN IDEAS WHILE YOU STUDY

LEARNINGSCIENTISTS.ORG



HOW TO DO IT

Switch between ideas during a study session. Don't study one idea for too long.



Go back over the ideas again in different orders to strengthen your understanding.

TOPICS
A B C



STUDY
SESSION
1

TOPICS
C B A



STUDY
SESSION
2

TOPICS
A C B



STUDY
SESSION
3

Make links between different ideas as you switch between them.



HOLD ON!



While it's good to switch between ideas, don't switch too often, or spend too little time on any one idea; you need to make sure you understand them.



Interleaving will feel harder than studying the same thing for a long time. But don't worry - this is actually helpful to your learning!

RESEARCH

Read more about interleaving as a study strategy

Rohrer, D. (2012). Interleaving helps students distinguish among similar concepts. *Educational Psychology Review*, 24, 355-367.



LEARN TO STUDY USING...

Concrete Examples

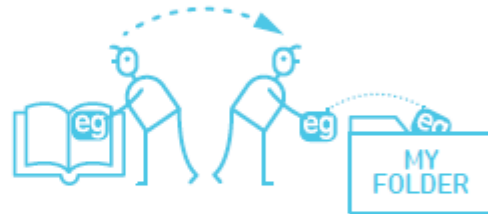
USE SPECIFIC EXAMPLES TO UNDERSTAND ABSTRACT IDEAS

LEARNINGSOCIETISTS.ORG



HOW TO DO IT

Collect examples your teacher has used, and look in your class materials for as many examples as you can find.



Make the link between the idea you are studying and each example, so that you understand how the example applies to the idea.



Share examples with friends, and explain them to each other for added benefits.



HOLD ON!



You may find examples on the internet that are not used appropriately. Make sure your examples are correct - check with your teacher.



Ultimately, creating your own relevant examples will be the most helpful for learning.

RESEARCH

Read more about concrete examples as a study strategy

Rawson, K. A., Thomas, R. C., & Jacoby, L. L. (2014). The power of examples: Illustrative examples enhance conceptual learning of declarative concepts. *Educational Psychology Review*, 27, 483-504.



LEARN TO STUDY USING...

Dual Coding

COMBINE WORDS AND VISUALS

LEARNINGSOCIETISTS.ORG



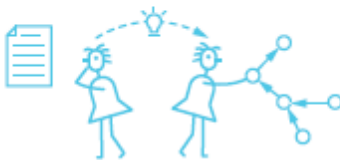
HOW TO DO IT



Look at your class materials and find visuals. Look over the visuals and compare to the words.



Look at visuals, and explain in your own words what they mean.

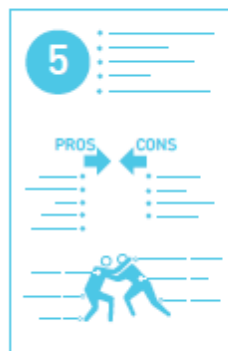


Take information that you are trying to learn, and draw visuals to go along with it.

HOLD ON!

Try to come up with different ways to represent the information visually, for example an infographic, a timeline, a cartoon strip, or a diagram of parts that work together.

INFOGRAPHIC



CARTOON STRIP



DIAGRAM



GRAPHIC ORGANIZER



TIMELINE



Work your way up to drawing what you know from memory.



RESEARCH

Read more about dual coding as a study strategy

Mayer, R. E., & Anderson, R. B. (1992). The instructive animation: Helping students build connections between words and pictures in multimedia learning. *Journal of Educational Psychology*, 4, 444-452.

How to revise effectively in English

Key advice, exam dates and exam info

	PPE	Summer exam
Language Paper 1 1 hour 45 minutes	Monday 13 th January	Friday 23 rd May
Language Paper 2 2 hours	Thursday 16 th January	Friday 6 th June
Literature Paper 1 1 hours 45 minutes	Wednesday 15 th January	Monday 12 th May
Literature Paper 2 2 hours 15 minutes	Monday 20 th January	Tuesday 20 th May

Know what is on the exam paper.

AQA English literature:

Paper 1: Macbeth and A Christmas Carol

Paper 2: Blood Brothers, Poetry Anthology and unseen poetry.

Eduqas English Language:

Paper 1: 20th Century Literature reading and creative writing

Paper 2: 19th and 21st Century Non-fiction reading and transactional/persuasive writing

Create a revision schedule

Use a range of study materials (see below)

Don't forget to revise quotations

Key resources (and how to use them)

CGP GCSE English revision guide (may purchase from school)

York notes for literature (may purchase from school)

GCSE Pod

Mr Bruff Youtube (<https://www.youtube.com/channel/UCM2vdqz-7e4HAuzhpFuRY8w>)

Your best resource is your teacher – come and ask for help if you need it!

How to revise effectively in Mathematics

Key advice, exam dates and exam info

	PPE	Summer
Paper 1 1 hour 30 minutes	Tuesday 14 th January	Thursday 15 th May
Paper 2 1 hour 30 minutes	Wednesday 22 nd January	Wednesday 4 th June
Paper 3 1 hour 30 minutes	Monday 27 th January	Wednesday 11 th June

Brief Outline of GCSE Examinations:

Paper 1 – Non-Calculator 1 hr 30 mins (80 Marks)

Paper 2 & 3 – Calculator 1 hr 30 mins (80 Marks)

Higher Tier awards Grades 9 – 3, Foundation Tier awards Grade 5 – 1

Skills Assessed:

A01 Use and apply standard techniques.

A02 Reason, interpret and communicate mathematically.

A03 Solve problems within mathematics and in other contexts

Equipment needed for the Maths exam:

A compass set and a scientific calculator

The most effective way to study for GCSE maths is to practice answering the types of questions that will come up in the exam.

Key resources (and how to use them)

<https://maths4everyone.com/index.html>

<https://www.mathsgenie.co.uk/gcse.html>

<https://www.methodmaths.com/login/html>

<https://sparxmaths.com/Sparxmaths>

- 1) Revise lots of different topics in rotation
- 2) Try some exam questions, fill in the gaps, then go back and try again
- 3) Explain what you're doing
- 4) Don't throw away easy marks – show your working
- 5) Build up to exam conditions
- 6) Keep an eye on the clock
- 7) You don't have to do the questions in order

How to revise effectively in Science

Key advice, exam dates and exam info

	PPE	Summer exam
Science Paper 1 (Bi) 1 hour 15 minutes	Thursday 16 th January	Friday 13 th May
Science Paper 2 (Ch) 1 hour 15 minutes	Monday 20 th January	Friday 19 th May
Science Paper 3 (Ph) 1 hour 15 minutes	Wednesday 22 nd January	Wednesday 22 nd May
Science Paper 4 (Bi) 1 hour 15 minutes	Thursday 23 rd January	Friday 9 th June
Science Paper 5 (Ch) 1 hour 15 minutes	Friday 24 th January	Tuesday 13 th June
Science Paper 6 (Ph) 1 hour 15 minutes	Tuesday 28 th January	Friday 16 th June

Biology Paper 1 : Cell Biology, Organisation, Infection and response and Bioenergetics.

Biology Paper 2 : Homeostasis and Response, Inheritance, Variation and Evolution and Ecology.

Chemistry Paper 1 : Atomic Structure and the Periodic Table, Bonding, Structure and the Properties of Matter, Quantitative Chemistry, Chemical Changes and Energy Changes.

Chemistry Paper 2 : Rate and Extent of Chemical Change, Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere and Using Resources.

Physics Paper 1 : Energy, Electricity, Particle Model of Matter and Atomic Structure.

Physics Paper 2 : Forces, Waves and Magnetism and Electromagnetism.

Key resources (and how to use them)

CGP Revision Guide (may purchase from school)

www.aqa.org.uk to download past papers for independent practice

GCSE Pod

SENECA

BBC Bitesize

Use class books/revision guides to create mind-maps, revision cards, revision notes etc. to help learn key facts and review required practicals .

How to revise effectively in Art

Key advice, exam dates and exam info

Dec 2024 – submission of coursework
Jan 2025 – ESA
Apr 2025 – 10 hour examination
May 2025 – final submission of all work

Key resources (and how to use them)

<https://www.bbc.co.uk/bitesize/guides/z4w6fdm/revision/2>

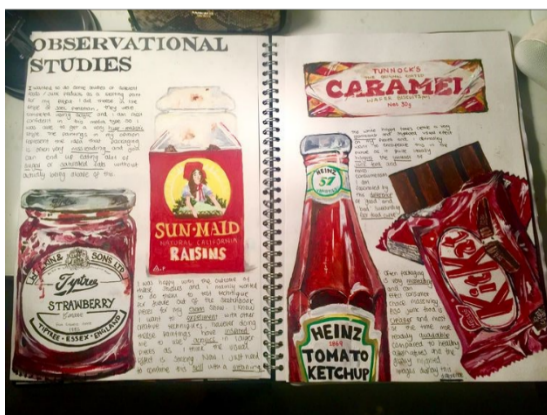
This is a link to BBC bitesize, which has loads of key tips on how to annotate your work and make your pages a lot more exciting! Have a read through it and make sure that you familiarise yourself with how others have put together their sketch books for GCSE Art and Design.

High quality Youtube videos:

<https://www.youtube.com/watch?v=F7ZsK4GDCoo>

<https://www.youtube.com/watch?v=0GaMV5KaLCg>

These are links to two really good examples of art sketch books too – please make sure that you go through them and compare them to what you have done and need to do. Annotations and explanation are key to showing the moderator what you intend to do. Accompany annotations with mini drawings planning out what you are doing with your ideas – how you are changing them for the better etc.



Spend time in the art department looking at past examples of sketch books and looking at various ideas. This is a good way of getting brand new ideas and how to change your existing ones.

How to revise effectively in Computer Science

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 1 hour 30 minutes	Y: Monday 13 th January Z: Friday 24 th January	Monday 12 th May
Paper 2 1 hour 30 minutes	Y: Wed 15 th January Z: Monday 27 th January	Tuesday 20 th May

Paper 1: Computer systems

Topics Assessed - 1.1 Systems architecture, 1.2 Memory and storage, 1.3 Computer networks, connections and protocols, 1.4 Network security, 1.5 Systems software, 1.6 Ethical, legal, cultural and environmental impacts of digital technology.

Paper 2: Computational thinking, algorithms and programming

Topics Assessed - 2.1 Algorithms, 2.2 Programming fundamentals, 2.3 Producing robust programs, 2.4 Boolean logic, 2.5 Programming languages and Integrated Development Environments

In Section B, questions assessing students' ability to write or refine algorithms must be answered using either the OCR Exam Reference Language or the high-level programming language (Python) they are familiar with.

Key resources (and how to use them)

Programming:

- 40-algorithm-challenges-booklet set as assignment on Teams – Work through challenges at your own pace
- <https://www.w3schools.com/> - Work through the Python tutorials online
- <https://pythonprinciples.com/> - Work through the Python tutorials online

Theory:

- Use revision guide and make mind maps/revision cards for key knowledge
- <https://www.bbc.co.uk/bitesize/examspecs/zmtchbk> - BBC Bitesize
- <https://senecalearning.com/en-GB/> - SENECA learning

Videos:

- <https://www.youtube.com/@craigndave> - Craig and Dave, watch videos from YouTube
- <https://www.gcsepod.com/> - GCSEpod, watch videos from website

How to revise effectively in Performing Arts

Key advice, exam dates and exam info

Use all of your time to prepare, rehearse and refine your Component 2 and 3 piece

The dance studio is available at specific lunchtimes and after school to practice
There are computers and laptops available in the dance studio to complete research and any planning for written tasks

Component 2 – Demonstrating Skills and Techniques (top tips!)

Accurately demonstrate the physical/vocal and expressive skills of your piece
Know and write about how your piece relates to the theme of Connection
Know and write about how you developed your skills and techniques over time

Know and write an evaluation for your final performance

Be ready to have your work filmed.

Deadline Friday 29th November 2024.

Component 3 – Responding to a Brief (top tips!)

Accurately demonstrate the physical/vocal and expressive skills of your piece
Know how your piece relates to a brief

- **Task 1** - Know and write about your ideas in response to a brief
- **Task 3** – Know how you've demonstrated skills and techniques in your own devised piece
- **Task 4** – Know and write an evaluation on your final performance
- Be ready to have your work filmed.

Deadline 1st May 2025

Key resources (and how to use them)

- Dance Studio to practice your work
- Sound system to practice with sounds/music
- Computers and laptops to complete research and preparation for written tasks
- iPad to film work and watch it back for self-reflection
- Kindly ask your teacher to give you general feedback on your work
- Dance studio mirrors to visually check for accurate demonstrate of physical and expressive skills
- You may have used props in dance/drama piece, make sure you practice with these in the dance studio

How to revise effectively in Geography

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 1 hour 30 minutes	Tuesday 14 th January	Wednesday 14 th May
Paper 2 1 hour 30 minutes	Friday 17 th January	Friday 6 th June
Paper 3 1 hour 30 minutes	Thursday 23 rd January	Thursday 12 th June

The first exam will explore the first topics you did in Year 10, that is:

- Theme 1 – Landscapes and physical processes (rivers and coasts)
- Theme 2 – Rural – urban links (cities)
- Theme 3 – Tectonic landscapes and hazards (volcanoes and earthquakes)

The second exam will explore the topics you did in Year 11, that is:

- Theme 5 – Weather, climate and ecosystems
- Theme 6 – Development and resource issues
- Theme 7 – Social development issues

The third exam looks at the entire course content and the fieldwork tasks we did in Manchester.

Key resources (and how to use them)

Eduqas revision guide - a detailed revision guide for those aiming for a grade 4 and above

Revision booklets - These contain the core knowledge that you need for the exams

Past papers - practice answering the questions and time yourself

A guide on how to answer the questions - Use this with the past paper to help you answer the questions effectively

Revision list- tick off the topics you are confident with and revise the ones you are not confident about

Websites

BBC bitesize - <https://www.bbc.co.uk/bitesize/examspecs/ztp2qty>

Juicy Geography - <http://www.juicygeography.co.uk/>

Cool Georaphy - <https://www.coolgeography.co.uk/>

Studywise - <https://studywise.co.uk/gcse-revision/geography/>

How to revise effectively in History

Key advice, exam dates and exam info

	PPE	Summer Exam
Component 1 2 hours	Tuesday 14 th January	Friday 16 th May
Component 2 2 hours	Friday 17 th January	Thursday 5 th June

Component 1 - Germany and Elizabeth

Component 2 - Medicine and the USA

Key resources (and how to use them)

Official Eduqas revision guide - a detailed revision guide for those aiming for a grade 6 and above

Revision booklets - Contain the core knowledge that you need for the exams

Past papers - practice answering the questions and time yourself

A guide on how to answer the questions - Use this with the past paper to help you answer the questions effectively

Revision list - tick off the topics you are confident with and revise the ones you aren't

Recall booklets – use these to test your knowledge

Walking Talking Mocks on YouTube:

GERMANY – <https://youtu.be/GDz5ARS7puk>

ELIZABETHAN - <https://youtu.be/dCf5rJZ1WWc>

How to revise effectively in Music

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 1 hour 45 minutes	Friday 24 th January	Monday 16 th June

Use your time to prepare, rehearse and develop your Component 1 performance pieces and your Component 2 compositions .

The music room is available at specific lunchtimes and after school each Wednesday and Friday to practice and use Soundtrap on the computers

Component 1 – Performance pieces (top tips!)

Practice your pieces regularly, know and include all performance and expression directions in your pieces. Have scores for all your performance pieces. Be ready to have your performances recorded .

Deadlines: Performances recording 1 - **Thursday 19th December 2024**,
Performances recording 2 - **Friday 14th March 2025**

Component 2 – Composition (top tips!)

Know how your compositions relate to the briefs. Keep your composition logs up-to-date. Include dynamics, tempo, articulation and expression directions markings onto your scores. Save your compositions as an mp3.

Deadlines: Free choice composition - **Friday 25th October 2024**, Set brief composition - **Friday 14th February 2025**

Component 3 – Listening and appraising exam (top tips)

Know the key music elements, devices and theory for each of the following:

- Area of study 1: Musical Forms and Devices
- Area of study 2: Music for Ensemble
- Area of study 3: Film Music
- Area of study 4: Popular Music

Key resources (and how to use them)

Music and band rooms to practice performance pieces

Computers in C2 to develop and complete compositions

'Focus on Sound' to revise musical devices and elements and to practice listening and appraisal questions for each of the four areas of study

www.musictheory.net to revise recognition of note names, note values, key signatures, intervals and chords

How to revise effectively in RE

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 1 hour 45 minutes	Friday 24 th January	Tuesday 13 th May
Paper 2 1 hour 45 minutes	Monday 27 th January	Wednesday 21 st May

The examination will comprise of 2 full papers, each will have four sections; Christian Beliefs, Matters of Life and death, Marriage and the family and Living the Christian life. The second paper is Muslim Beliefs, Crime and Punishment, Peace and Conflict and Living the Muslim Life.

Spend around 25 minutes answering each section. Read the question carefully – if it says two reasons only give two! Link back to the question in the 12 mark question. Learn all keywords. Focus on SPAG on the 12 mark questions. Time questions carefully – follow the number of mark available.

Keywords such as salvation/atonement/al Qadr/ Sawm/ Eucharist need to be learnt.

Write your outline answer in full sentences. This is the 3 mark question.

Key resources (and how to use them)

Use mind maps to recap knowledge for revision.

Learn 5-10 key teachings for each religion and consider how they could apply them to different topics.

Create practice answers to evaluation questions by creating three reasons for and against each topic.

Use a key controversial or memory image in the centre of a page, for example, an electric chair and use it to create a piece of revision for and against the death penalty.

Practice example question answers.

Look at previous assessment feedback, practice weakness areas.

Try ideas suggested on the revision handouts and ask your teacher if you would like additional help or more practice on a particular skill.

<http://www.bbc.co.uk/education/subjects/zb48q6f> BBC Bitesize contains relevant and accurate revision for Christianity and Islam.

How to revise effectively in Spanish & French

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 (R) 1 hour	Wednesday 15 th January	Tuesday 10 th June (Sp) Wed 21 st May (Fr)
Paper 2 (L) 1 hour	Friday 17 th January	Tuesday 10 th June (Sp) Wed 21 st May (Fr)
Paper 3 (W) 1 hour 20 minutes	Tuesday 21 st January	Tuesday 17 th June (Sp) Thursday 5 th June (Fr)

PPE speaking exams: w/c 26th November Your teacher will confirm the day and time in advance. GCSE speaking exams: w/c 28th April.

Key resources (and how to use them)

Conversation booklets: your conversation will be based on the questions you have practised. You will be asked questions from theme 2 and either theme 1 or 3. You must also ASK a question during the conversation! You can practise one question to include OR remember to use 'and you?' in French/Spanish. The conversation booklets also help you to prepare for the writing exam as the topics are the same!

Choose a picture with people in and practise writing and talking about it. Vary the locations eg. restaurants, school, work settings... Use WPALM to help! Your teacher will provide some sample role plays for you to use and prepare.

GCSE revision guides: use the guides to help you to learn vocabulary and revisit grammar points. There are also exam style questions for you to try.

Listening to music and TV programmes in the target language can be great to help you to 'tune in' to authentic speakers. Why not try switching your Netflix profile to Spanish and watch a show you are familiar with?

Flashcards: these can be really useful for items of vocabulary (create packs for each topic) – write the French/Spanish on one side and then add the English to the other side – now test yourself! You can also do this to support your learning of the conversation booklet topics.

DuoLingo can be useful for some revision 'on the go'! The sentences can be very random but it is useful for practising verbs and individual items of vocabulary.

BBC Bitesize: (S) - <https://www.bbc.co.uk/bitesize/examspecs/z4yyjhw>

BBC Bitesize: (F) - <https://www.bbc.co.uk/bitesize/examspecs/zr8bmfr>

How to revise effectively in Sport

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 1 hour 15 minutes	Tuesday 21 st January	Wednesday 14 th May

Key resources (and how to use them)

Use of Knowledge organiser which has the key topic questions at the top and the key terms or vocabulary underneath.

Cover the answers or ask another person to ask the questions and then you can check if you have remembered the information.

Watch the pods on GCSEpod under Contemporary Issues.

CGP revision guide.

How to revise effectively in Urdu

Key advice, exam dates and exam info

	PPE	Summer Exam
Paper 1 (R) 1 hour	Wednesday 15 th January	Monday 19 th May
Paper 2 (L) 1 hour	Tuesday 28 th January	Monday 19 th May
Paper 3 (W) 1 hour 20 minutes	Tuesday 21 st January	Monday 2 nd June

PPE speaking exams: w/c 26th November Your teacher will confirm the day and time in advance. GCSE speaking exams: w/c 28th April.

Key resources (and how to use them)

Revision guide booklet: Use this booklet to practise your reading. It also provides good model answers to help you with your writing.

TRACTORS: continue to incorporate these 8 components into your speaking and writing, in order to improve the complexity of your sentences.

Visit dailypakistan.com.pk/daily-bites regularly and read the short articles. Try to translate the titles using google translate to help you.

Prepare your 1 minute speech and answers to common questions, ensuring you are using comma J words such as jabkay to extend your sentences.

Photographs/images: choose any picture and practise writing and talking about it. Choose a picture with people in and vary the locations e.g. restaurants, school, work settings... Use **WPALM** to help! Start off with 'Iss tasveer maiN...'

Ask Mr Hussain for additional **past papers** for Urdu.

Music and film/TV: watching a drama and TV programmes in the target language can be great to help you to 'tune in' to authentic speakers, especially with English subtitles. Why not try switching your Netflix profile to Urdu/Hindi dubbing and watch a show you are familiar with?

