



100 Day Plan

Class of 2022

All subjects week by week from Monday 7th February 2022. The first exam will be on Thursday 12th May 2022.

Note from Louise

In business and politics, 100-day plans are often used at the start of new jobs or new projects. That's because 100 days give you enough time to put something meaningful in place and start to see an impact. 100-day plans are also manageable from the outset. You start off with the end date and your goals clearly in sight and can make rapid progress towards them, ticking off the days as you go.

An analogy may help here. Imagine you want to run 10 km in 50 minutes, so you sign up for a race 100 days away. You can then draw up a 13 week plan for your training which builds bit-by-bit to your race. The plan will motivate you as your pace improves time and you will feel confident of success as the day arrives. If you stick to the plan, you can tick off the days and weeks and arrive at your race ready to smash your personal best.

Our 100-day Year 11 plan follows the same model. It's designed to help you follow the steps to feel prepared and confident when you walk into your GCSE exams. Staff from every subject area have helped to write it, and it covers the full range of skills and knowledge that you need.

Every year there's a predictable pattern to the students that achieve their best in GCSEs, and those who don't. It's not based on innate talent or ability, but on stickability. The students who succeed are the ones who plan well and do their revision in regular, manageable chunks. They stick at it. They work hard (but not too hard), seek feed-back and maintain a steady rhythm. In other words, any student can achieve their best if they approach revision with the right mindset, and some good planning.

We hope that you will find the 100-day plan helpful and motivating. We hope it's your toolkit to success.

Revision Strategies



This document contains information that you will find useful when revising for your upcoming assessments.

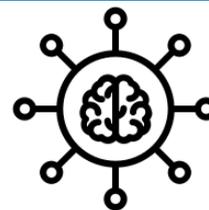
The first section walks you through six revision strategies that research has shown to be more successful than others. There is a video explaining each revision strategy on the UTC website in the **remote learning** section. Some activities are marked with * below and these are specifically identified as being useful revision techniques for students with SEN.

The second section is a week by week guide for each of your subjects identifying what you should be revising each week in the build up to summer exams. If you follow this guide then you will have revised everything you need to over the next few months.

Revision Top Tips

- 1 Get organised** – It is important to get the equipment you need to revise before you start revising. Stock up on cue cards, highlighters, plain and lined paper and different coloured pens.
 - 2 Tidy up** – You'll need somewhere with good lighting, your pens close by, your phone out of sight and your TV unplugged. Try not to revise on your bed, or you'll be dreaming of pink igloos and elephants before you know it.
 - 3 Know your stuff** – Make sure you have all of your revision resources to hand. Download your knowledge organisers from the UTC website and find out what exam boards you are using.
 - 4 Take a break** - Don't totally stop yourself from having fun. This'll help you stay motivated, relax, and allow you to keep up with your favourite hobbies.
 - 5 Sleep and eat well** - Sleep is more important than you'd imagine - it helps your brain store all the juicy information you've learned throughout the day. Drinking plenty of water and eating healthy foods will also boost your concentration throughout the day.
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Reducing Your Notes



Aim	Tips	How to start
The aim of these activities is to reduce the amount of notes you are revising from. This will save you precious time in the days just before exams.	This needs to be started early. It will not work if it is done only days before an exam.	Pick a subject and topic to begin and using your class notes select one of the methods below.

Cue Cards

Note or cue cards are always handy for when you're out and about. List definitions and rules, you need to know. Or write key words from which you can fill in the gaps to tell the whole story. *Use different coloured pens or paper to help with word association and grouping of key words.

These are also handy for learning language vocabulary. Once filled in, these cards will allow you to reclaim time that would otherwise be wasted -on the bus, in the queue at the supermarket -there's no limit.

Mind Maps/Spider Diagrams

Take a topic, and list the main topics/themes. For each theme list the main points, definitions, key words and examples. The aim is to have a single piece of paper (A3 or A4) for each topic. You will not be able to write down everything, so prioritise the key information. Images and symbols can also be used alongside/instead of words to help visualise key information.

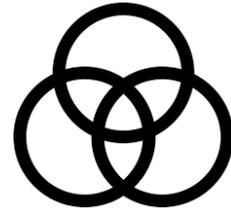
Diagrams, Tables and Timelines

Some subjects allow you to display key information in a different format, especially useful when you are trying to make sense of a series of events (if displayed chronologically). You can also try this for a specific character in a story/plot, you can show their involvement, impact and influence throughout the play/text. For pictures it is said "A picture paints a thousand words" ...enough said. Tables are very useful for displaying the key information and showing possible relationships between the information.

*Recording of Notes

Once you have reduced your notes, record yourself or someone else reading your notes through. You can then listen back as often as you want to.

Visual Organisers



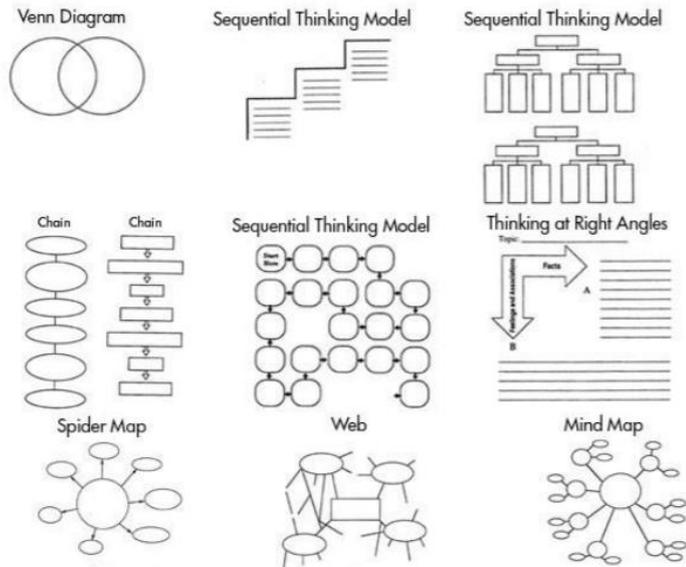
Aim	Tips	How to start
The aim of this is to get away from reading notes or highlighting, and start some active revision.	Stick to subjects where there are obvious links (Science, English, Sport)	Pick one of the diagrams shown below and add the details of a plot, or topic from one of your lessons.

Visual or Graphic Organisers

A picture paints a thousand words...well this is kind of similar. For subjects where there are processes or key events in chronological order or obvious links and relationships a graphic organiser can be a welcome break from lots of written text.

You need to reconstruct your revised topics and make the links or connections as you go. Below are a few examples, I'm sure your familiar with one or two of them already

We remember information better when we have a taken an active part in producing it, rather than it being given to us –can you do the same using one of these models?



*Watch videos

Use videos and appropriate YouTube links explaining and demonstrating what it is you are revising

*Literacy Doughnut

Using three circles, prioritise the important information or words in the inner circle and then, in descending priority, the middle and the outer. Concentrate initially on remembering the inner circle, then expand out once confident.

*Role-play

Either in class or with peers/family, role play the topic or situation that you are revising. Visualising 'real life' conversations and actions help with memory recall.

*Post it party

Place key words/phrases onto post it notes and place them around your house, in rooms and on objects that you may associate with the word. Eg. An energy equation in science may be placed by the kettle, key words to do with the human body may be placed around the bedroom, plant reproduction key words could be placed on house plants, etc. This will help with visual association.

Quick Retrieval



Aim	Tips	How to start
The aim of this is to test your knowledge of the basic information. You need to master these facts to be able to fully explain them.	Stick to simple facts such as dates, character features, timelines, definitions and equations. Use knowledge organisers.	Pick a subject and particular topic, and use your knowledge organisers to give yourself 10 simple questions

Self-Quizzing

This is one of the most effective quick revision activities out there –it only takes a matter of minutes and can be done anywhere and anytime. Simply pick a subject, pick a topic and write down 10 quick retrieval (basic facts) questions. Aim to retrieve the key facts and information; such as dates, names, places, quotes, definitions, formulas and equations. On the reverse answer the questions.

Flash Cards

Not to be confused with a cue cards, these have either a single word (topic/part of a topic) or diagram or Mnemonic on one side, and the information on the other side. These cards can be used both directions and are great when revising with a friend or family member. Once presented with the one side, you repeat from memory as much as possible from the other side.

*You could also use them as a mix and match activity, through writing key words on one card and the meaning on the other, shuffle them and match them back together. This can be done individually or as a game with a friend/family member.

Teach Somebody

A great way to learn, is to teach somebody else. You simply need either a small whiteboard and pen, or a notepad and pen. Then select at random a topic or aspect of a subject to “teach” to someone else. Limit yourself to 3 minutes (set a timer) –want to assess how effective you were as a teacher –either set the “student” a simple Retrieval task (Low Stakes Quiz) or ask them to repeat it back –can you find the mistakes?

*Making connections

“See” the question and think around the topic. Make a story around the topic. Use key words in random sentences in conversation.

Past Papers



Aim	Tips	How to start
The aim of this is to process and refine your revision to meet the demands of an exam.	Learn the meaning of command words (describe, explain, evaluate...). Use the mark scheme to mark your answers.	Search on the internet for 'past exam papers' for your subject and exam board. Your teachers will also have a stash of them ready to use.

Past Papers

This is the single-handedly the best revision tool you can use, as long as you complete the process fully.

Part 1

Sit the paper under exam conditions. Make sure you have the correct exam board/subject/tier. Stick to the time given to you on the paper.

This will allow you to become familiar with what will happen in the summer, practice your timings and understand what the paper will look like. The more relaxed you are in the summer the better you will perform.

Part 2

Mark the paper using the official mark scheme. As you go through correct any mistakes that you have made using a different colour pen. These mistakes should then form your next self-quizzing activity. You will learn as much by marking your paper as you will be completing it.

Part 3

If they are available then read the examiner's report for the paper you have completed. This will give you an idea of the main errors and misconceptions made by other students who have completed this exam.

Practice Essay Writing



Aim	Tips	How to start
The aim of this is to perfect your extended writing skills by focussing on both the knowledge needed and the structure required.	Make sure you know what extended writing answers will be included for each subject. Practice this for all subjects, not just English.	Look at the past papers and rewrite any of the extended writing questions. These may be marked with a * or may be worth 6 or more marks.

Essay Writing/Extended Writing

Let's aim to perfect your extended writing technique –remembering that good spelling and grammar help too.

The main thing to remember is always answer the question, this seems obvious, but to do so, we must understand the command word and what it means for your response. For example, what's the difference between a Describe and an Explain question. Search "exam command words" on the internet for a definite list and their meanings.

Secondly, don't waffle or give your personal opinion (unless required) –try and avoid telling a story –"I" or "I think" are not useful outside of subjects that require a personal opinion, like RE.

Structure your writing, use an interesting introduction, 4-5 paragraphs (normal essay) and a clever conclusion –as a minimum. Try and link your paragraphs to create a flow which will ensure your response is better received by the marker.

Finally, if you have time, read the original question as you start each new paragraph, this will encourage you to stay on track and answer the question –to help this, always try and either start or finish each paragraph with a topic/question relevant sentence.

*Decoding exam questions

Differentiate between the command words of a question and the subject-specific words. Have two separate colours and highlight which is which. The words that we left over are additional language that can be ignored. This will help in processing what exactly it is you are being asked to write/answer.

*Sentence starters

Create a bank of sentence starters that you can use in your essay writing. Practice using these in the practice writing, until you become familiar with the phrases.

*Organising your page

When practising essay writing, it may be useful to separate your page into sections, using boxes or flow charts. You can then visually link the sections together.

Revision Strategies for Students with Dyslexia

- Visual (spatial): make large colourful posters of important information, or highlight key passages in a different colours. Stick post-its where you will see them e.g. by the sink so you read them whilst brushing your teeth.
- Aural (auditory-musical): record lessons, or record and listen to your revision notes.
- Verbal (linguistic): explain your essay structure, or key concepts to someone else. The act of having to mentally structure and then verbalise a concept to someone else can help with your own understanding and ability to remember.

Organisation Strategies

- Deal with printed materials as soon as you receive them, check the contents list to make sure everything is there.
- Colour-coding: keep all class notes, essays and materials on a particular subject colour coded and filed together.
- Identify what's important: use highlighters, post-its or annotations so you can find information easily.
- Use a planner: use your phone, computer or a handwritten planner to keep track of projects and deadlines on a daily basis. Work back from the deadline and set yourself realistic goals to complete the assignment on time.
- Reminders: set yourself reminders on your phone for classes, tutor meetings and course deadlines.
- Minimise distractions: set yourself time for a task and switch off your phone, tv and radio. It can also help to keep your study sessions short, but regular.

English Language – EdExcel GCSE in English Language

	Knowledge focus: Define. Identify. Use.	Writing	
w/c 07/02/2022 14 weeks to go...	Adjectives Adverbs Verbs Features of a letter.	Paper 2 Due to funding cuts, your headteacher has proposed shortening the school week to 4 days. Write a letter to your headteacher giving your views on this idea.	
w/c 14/02/2022 13 weeks to go...	Metaphor. Simile. Personification. Non-linear narrative.	Paper 1 Write about a time when you were afraid.	
w/c 21/02/2022 12 weeks to go...	Rule of three. Rhetorical questions. Facts and statistics.	Paper 2 Write a speech for the older people in your area explaining the benefits of new technology.	
w/c 28/03/2022 11 weeks to go...	Symbolism. Pathetic fallacy.	Paper 1 Write about a time you went on an unexpected journey.	
w/c 07/03/2022 10 weeks to go...	Hyperbole. Expert opinion. Satire.	Paper 2 Write a newspaper article giving your opinions on the growing trend for people to become vegans.	
w/c 14/03/2022 9 weeks to go...	Motif. 1 st person narrative. Linear narrative.	Paper 1 Write about a treasured possession.	
w/c 21/03/2022 8 weeks to go...	Repetition. Imperative verbs. Emotive language.	Paper 2 Write a letter to the editor of your local newspaper explaining your views on a plan to open a McDonalds in the local area.	
w/c 28/03/2022 7 weeks to go...	Allegory. Sibilance.	Paper 1 Write about a time you did something you should not have done.	
w/c 04/04/2022 6 weeks to go...	Features of a guide. Listing. Anecdote.	Your school or college is writing an information guide for students who are new to the school/college. Write the section for the guide with the title 'Stress-free Settling In'	
w/c 11/04/2022 5 weeks to go...	Spotlight. Shift.	Paper 1 Write about a time you had the courage to fight for something you believed in.	
w/c 18/04/2022	Juxtaposition. Direct address.	Paper 2	

4 weeks to go...	Types of articles: feature, report, editorial.	Your local newspaper has published a report with the title 'Discrimination still exists today; nothing can be done about it'. Write a letter to the newspaper giving your views.	
w/c 25/04/2022 3 weeks to go...	Alliteration. Dialogue. 3 rd person narrative.	Paper 1 Write about a time you were part of a crowd.	
w/c 02/05/2022 2 weeks to go...	Euphemism. Oxymoron.	Paper 2 Write an article for a magazine with the title 'Ups and Downs of Relationships'	
w/c 09/05/2022 1 weeks to go...	Tension. Foreshadowing. Zoomorphism.	Paper 1 Write about what it would be like to live in the future.	

English Literature – EdExcel GCSE in English Literature

	Plot, Character, Poem	Essay Question	
w/c 07/02/2022 14 weeks to go...	Journey's End: Raleigh	To what extent is Raleigh significant in Journey's End?	
w/c 14/02/2022 13 weeks to go...	Jekyll and Hyde: Lanyon, Jekyll, Utterson	Explain how characters try to help others elsewhere in the novel.	
w/c 21/02/2022 12 weeks to go...	Romeo and Juliet: Tybalt, Mercutio, Benvolio	Explain the importance of friendship in Romeo and Juliet.	
w/c 28/03/2022 11 weeks to go...	Romeo and Juliet: Fate	Explore how and why Shakespeare represents fate in different ways and how it links to the context.	
w/c 07/03/2022 10 weeks to go...	Journey's End: Trotter	Explore the significance of Trotter in Journey's End.	
w/c 14/03/2022 9 weeks to go...	Jekyll and Hyde: Victorian Society – crime in the cities	Explain how terror is presented in Jekyll and Hyde.	
w/c 21/03/2022 8 weeks to go...	Romeo and Juliet: Juliet	Explain the importance of disobedience in Romeo and Juliet.	
w/c 28/03/2022 7 weeks to go...	Poems: Cousin Kate/ Catrin	Compare how the experience of conflict is presented in Cousin Kate and Catrin.	
w/c 04/04/2022 6 weeks to go...	Journey's End: Courage	Explore how courage is presented in Journey's End.	
w/c 11/04/2022 5 weeks to go...	Jekyll and Hyde: Poole, Mr Guest, Enfield	Explain how characters try to help others in Jekyll and Hyde.	
w/c 18/04/2022 4 weeks to go...	Romeo and Juliet: Friar Lawrence and The Nurse	Explain the importance of loyalty in Romeo and Juliet.	
w/c 25/04/2022 3 weeks to go...	Poems: The Man He Killed/ The Poison Tree	Compare how anger is presented in The Poison Tree and The Man He Killed.	
w/c 02/05/2022 2 weeks to go...	Journey's End: Stanhope, Mason	Explore how life in the trenches is presented in Journey's End.	
w/c 09/05/2022 1 weeks to go...	Jekyll and Hyde: Jekyll, duality	Explore how duality is presented in Jekyll and Hyde.	

Maths – EdExcel GCSE in Mathematics (Foundation Tier)

	Revision topics	Workbook Pages	Hegarty	Optional Extra
w/c 07/02/2022 14 weeks to go...	Integers and place value. Decimals. Indices, powers and roots. Factors, multiples and primes Ratio proportion	1-5 6,7,10 8,9 11,12 59,60 67	15-17,37 99-101 27-36 328—334 339-343,346,348	2.5 Hrs of Hegarty per week Work through your specific clips from the assessments Deadline set as 19 th May for all.
w/c 14/02/2022 13 weeks to go...	Algebra: the basics, Expanding and factorising single brackets, Expressions and substitution into formulae	22-23 25,28,29 26-27	151-159 173-175,222 160-161,167-171	OnMaths.com Topic tests
w/c 21/02/2022 12 weeks to go...	Angles, lines and symmetry Polygons and parallel lines Interior and exterior angles of polygons Perimeter and area 3D forms and volume	71,73-75 72,76 76 79-81 82-84	455-461,827-828,488-491 822-826,477-491,812-815 560-565 568-559,584-591,705-706,691-694 568-582,829-844,702-704	Mathsgenie.com Topic papers
w/c 28/03/2022 11 weeks to go...	Fractions, Fraction, decimals, percentages percentages	13-15 55 58	60,61,63,64,77-79	Corbettmaths.com 5 a day
w/c 07/03/2022 10 weeks to go...	Real-life graphs Straight line graphs	40 37-39	199,205-207,874-880,897-902 217,201-214	Savemyexams.com
w/c 14/03/2022 9 weeks to go...	Tables Charts and graphs Pie charts Scatter graphs Statistics and questionnaires Averages	115 116-117,123 118 119 125-127 120-122,124	392-404,450-452,422-424,414-415 425-426,430-433 427-429 453-454 392-395,399-401 404-410,413-414,416,419-420	Maths4 everyone.com
w/c 21/03/2022 8 weeks to go...	Equations, Inequalities, Sequences	30-31 32-33 34-35	151-155,280-284,780-781,160-161,175-186,188-189,217 265-272 196-198,261,263-264,247	Senecalearning.com
w/c 28/03/2022 7 weeks to go...	Right-angled triangles: pythagoras and trionometry. Circles, cylinders, cones and spheres.	90-94 103-108	497-502,508-515,306,845 592,534-536,539-547,584-586,570-577,579-582,17,56,130	bbc.com/bitesize

w/c 04/04/2022 6 weeks to go...	Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations			Mrbartonmaths.com
w/c 11/04/2022 5 weeks to go...	Transformations: rotations, translations, reflections & enlargements Similarity and congruence in 2D. Vectors.	86,88 87,89 109-111 112	680-683,637-638,648-654 639-645,650-654,608-614 680-682,608-612,642,488-491,870-871 622-626	Mathedup.co.uk
w/c 18/04/2022 4 weeks to go...	Fractions & reciprocals. Indices and standard form. Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations	13-15 9,17-18 48-50	173-174,102-107,121-128 154,280-287,325,348,213,298-301,201,190-193,195,218-219,265,268,272	
w/c 25/04/2022 3 weeks to go...	Probability	128-129,132-133	349-357,670, 356-384	
w/c 02/05/2022 2 weeks to go...	Quadratic equations: expanding, factorising and Quadratic graphs. Multiplicative reasoning.	46-47 44-45 62-66,68,75	160-165,221-224,230,234,253 251-255,257 692-697,339-348,705-711,716-729,731,734-738,84-98,763-769,771-772	
w/c 09/05/2022 1 weeks to go...	Plans, elevations and nets. Constructions, loci and bearings.	97 99-102	592,455-461,829-844 680-683,660-669,674-679,492-496,864-871	

Maths – EdExcel GCSE in Mathematics (Higher Tier)

	Revision topics	Workbook Pages	Hegarty	Optional Extra
w/c 07/02/2022 14 weeks to go...	Calculations, checking and rounding. Indices, roots, reciprocals and hierarchy of operations. Factors, multiples and primes. Standard form and surds.	7 2-4 1 8,12,49	129-134,17,56,47-50 99-110,120,150,24,44 27-36 121-128,111-119	2.5 Hrs of Hegarty per week Work through your specific clips from the assessments Deadline set as 19 th May for all.
w/c 14/02/2022 13 weeks to go...	Algebra:the basics Setting up rearranging and solving equations Sequences	16-18,21 19-20, 22-24	223-228,782-787,166,154,160-161 175-189,278-284,325-327,151-153	OnMaths.com Topic tests
w/c 21/02/2022 12 weeks to go...	Averages and range Representing and interpreting data Scatter graphs Collecting data Cumulative Frequency, box plots and histograms	110-112 113,121-122 114 115-117 118-120	399-424,430-433 425-429,450-452 453-454 392-400 437-439,411-414,418-421,401,434-440,442-449	Mathsgenie.com Topic papers
w/c 28/03/2022 11 weeks to go...	Fractions, Percentages, Ratio & Proportion	5,6,9 59,62-64 60-71	53-54,59-64,77-80 75-76,149,55,82-98 328-342,865,868,346,739-742	Corbettmaths.com 5 a day
w/c 07/03/2022 10 weeks to go...	Polygons, angles and parallel lines. Pythagoras' Theorem and trigonometry.	73-75 76-79	560-565,481-484,488-491 845-853,513-4,497-504	Savemyexams.com
w/c 14/03/2022 9 weeks to go...	Graphs: the basics and real-life graphs. Linear graphs and coordinate geometry. Quadratic, cubic and other graphs Reciprocal and exponential graphs	30,55 25-27 28-28,42 53-56	874-886,894-902,200 201-217 298-299,251-258,777-778,300-301 300-302,800-811,307-303,887-897	Maths4 everyone.com
w/c 21/03/2022 8 weeks to go...	Perimeter, area and 3D forms Circles, cylinders, cones and spheres Accuracy and bounds	80-82,87 83-86, 10-11	570-578,549-559,833-844,691,699 534-541,584-591,572-575 137-139	Senecalarning.com
w/c 28/03/2022 7 weeks to go...	Transformations, Constructions, loci and bearings	88-90 91-95	637-658,680-690 660-669,674-679,496,531	bbc.com/bitesize
w/c 04/04/2022 6 weeks to go...	Solving quadratic and simultaneous equations. Inequalities. Changing the subject of the formulae, algebraic fractions, solving complex equations, surds, proof	31-35, 42 37 46-52	223-226,228-246,190,195,218-220 265-277,370-371 118-119,229,172,187,205-207,325-327,288-297	Mrbartonmaths.com

w/c 11/04/2022 5 weeks to go...	Probability	123-128	361-391	Mathedup.co.uk
w/c 18/04/2022 4 weeks to go...	Multiplicative reasoning Direct and inverse proportion	61,65-67,71,72 68-70	763-772,716-738, 344-348	
w/c 25/04/2022 3 weeks to go...	Similarity and congruence in 2D & 3D. Graphs of trigonometric functions. Further trigonometry.	39 99-103 110-112	682-690,612-621,578 303-313,845-853 854-863,517-533,505-507	
w/c 02/05/2022 2 weeks to go...	Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics	28-29,41-45	252-260,243,246,166,218-220,318,265-277,322-323	
w/c 09/05/2022 1 weeks to go...	Circle theorems, Circle geometry Vectors and proof	105 36 106-107	593-606,816-820 778-779,314-320,669 622-636	

Science – AQA GCSE Combined Science: Trilogy

Remember this qualification is two GCSEs, you will need to spend more time revising to cover content. Remember to cover paper 2 topics in this time as well as time diminishes once the exams start.

	Biology– 1.5 hours	Chemistry – 1.5 hours	Physics 1.5 hours
w/c 07/02/2022 14 weeks to go...	Cells (paper 1) Eukaryotic, Prokaryotic, organelles and their function, *size and scale*, magnification equation, how to use a microscope, specialised cells, stem cells and ethics of using these in therapy. Osmosis (+osmosis practical), active transport and diffusion PK WB (on teams) Pages- 25-29 https://www.youtube.com/watch?v=sdpmVQooYS4&feature=youtu.be	Atomic structure and Periodic table (paper 1) Properties of elements, compounds, mixtures, separation techniques, history of the periodic table, atomic structure, electron configuration, history of the atom PK workbook (on teams) pages- 89-95 https://www.youtube.com/watch?v=bgyuXU97jal	Energy (paper 1)- energy types, sources and energy demands. Look at calculations needed, SHC practicals, conduction, convection and radiation. PK workbook (on teams) pages 153- 158 https://www.youtube.com/watch?v=tDkBhy-Y1Z8
w/c 14/02/2022 13 weeks to go...	Organisation (paper 1) Hierachy (cells-tissues-organ size), digestive system, enzymes, digestive enzymes, *food tests*, the heart and lungs, exchange surfaces, transport in plants (xylem and phloem) PK Workbook- 30-36 https://www.youtube.com/watch?v=DJ0IZGkDx6A&feature=youtu.be	Bonding types & quantitative chemistry (paper 1) Electron configuration, metallic, covalent and ionic bonding, properties of each bonding type, giant structures and their properties. Relative atomic and molecular mass. Moles and Avogadro’s number. Reacting masses PK Workbook- 96-105 https://www.youtube.com/watch?v=YpEQ-NWxKBc	Electricity (paper 1)- circuit diagrams and rules, rules of series and parallel, components and component graphs and uses, power, plugs, AC/DC, national grid PK WB pgs- 159-164 https://www.youtube.com/watch?v=jSA4WALSVEA
w/c 21/02/2022 12 weeks to go...	Diseases (paper 1) Communicable and non communicable diseases, our defence system, human diseases and treatment, developing drugs (timeline), risk factors for non- comm drugs, cancer, smoking and drug misuse PK WB- 37-41 https://www.youtube.com/watch?v=m7pxdTJ9NPI&feature=youtu.be	Chemical and energy changes (paper 1) Reactivity series, displacement, pH scales, electrolysis, testing for gases. Endo and exothermic reactions reaction profiles, bond enthalpies. PK WB pages- 106-114 https://www.youtube.com/watch?v=KTmXEiU_Go	Particles (paper 1) - density, changes of state, particle theory, irregular density experiment, pressure, radiation types, half lives, radiation equations PK WB pgs- 165-172 https://www.youtube.com/watch?v=cZz9oGgJOL0&t=2s https://www.youtube.com/watch?v=YFVYU_SvJBoo

<p>w/c 28/03/2022 11 weeks to go...</p>	<p>Bioenergetics (paper 1) Photosynthesis, limiting factors, required practicals, equation, uses of glucose, aerobic and anaerobic respiration, effects of exercise PK WB- 42-45 https://www.youtube.com/watch?v=1KIAWiHQ4sM&feature=youtu.be</p>	<p>Rate of Chemical reactions (paper 2) Measuring rates of reaction using graphs. Investigating rates of reaction by experiment. Factors affecting rate and the collision theory. Reversible reactions. Equilibrium and Le Chatelier's principle. Effects of changing concentration, pressure and temperature. PK WB 116-119 https://www.youtube.com/watch?v=7i90fiz9SmY</p>	<p>Forces (paper 2)- vector and scalar differences, parallelograms of forces, weight and mass, speed-time, distance time graphs, work done, velocity, acceleration PK WB pgs- 174-181 https://www.youtube.com/watch?v=Rz4XB SKNGXg</p>
<p>w/c 07/03/2022 10 weeks to go...</p>	<p>Homeostasis (paper 2) Nervous system, reflexes, hormones and endocrine system, *menstrual cycle*, contraception, *IVF PK Workbook- 47-54 https://www.youtube.com/watch?v=xOfqw7MbU8k&feature=youtu.be</p>	<p>Organic Chemistry (paper 2) Fractional distillation of crude oil including viscosity, flammability and boiling point changes. Complete and incomplete combustion. Cracking using steam or a catalyst. Testing for alkenes using bromine water. PK WB 120-126</p> <p>Chemical analysis (paper 2) Pure substances and mixtures. Formulations. Separating mixtures using chromatography. Tests for gases. PK Workbook pages- 127-130 https://www.youtube.com/watch?v=YyUQiUd dBA4</p>	<p>Waves (paper 2) - types, ripple tank and string wave practicals, electromagnetic spectrum types of waves and uses, reflection and refraction, refraction index PK workbook pages 182-188 https://www.youtube.com/watch?v=9JPNV J LC3E</p>
<p>w/c 14/03/2022 9 weeks to go...</p>	<p>Reproduction (paper 2) Punnett squares, chromosomes, genes, alleles, inherited disorders, genetic screening PK WB- 55-62 https://www.youtube.com/watch?v=npl10a6p8jQ&feature=youtu.be</p>	<p>Chemistry of the atmosphere (paper 2) Gases in the atmosphere, how they have changed over time, greenhouse gases, global warming, atmospheric pollution and the carbon footprint. PK WB pages- 131-134 https://www.youtube.com/watch?v=gxCrsqX ZzeU&feature=youtu.be</p>	<p>Energy (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 156 https://www.youtube.com/watch?v=q5CwA Tii6OA</p>

<p>w/c 21/03/2022 8 weeks to go...</p>	<p>Evolution (paper 2) Classification, Darwin's theories, fossils, extinction PK workbook 55-62 https://www.youtube.com/watch?v=npl10a6p8jQ&feature=youtu.be</p>	<p>Using resources (paper 2) Finite and renewable resources, potable water, purifying water, waste water treatment, extracting metals using bioleaching and phytomining. Life cycle assessments. Reduce, reuse and recycle. PK WB- 135-138 https://www.youtube.com/watch?v=KyVf2bVLl08&feature=youtu.be</p>	<p>Electricity (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 162 https://www.youtube.com/watch?v=62RyyfKZoYg</p>
<p>w/c 28/03/2022 7 weeks to go...</p>	<p>Ecology (paper 2) Uses of natural resources, deforestation, decay, biomass, sustainable farming PK Workbook- 63-69 https://www.youtube.com/watch?v=SKDn90HK98Q&feature=youtu.be</p>	<p>Atomic structure, periodic table and bonding types recap (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 92, 99 https://www.youtube.com/watch?v=mjllPJ_c018&feature=youtu.be https://www.youtube.com/watch?v=9bbCFUyIuWg&feature=youtu.be</p>	<p>Particles (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 171 https://www.youtube.com/watch?v=bRzRjfvouU-E</p>
<p>w/c 04/04/2022 6 weeks to go...</p>	<p>Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>	<p>Bonding & quantitative Chemistry (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 99,100 & 104 https://www.youtube.com/watch?v=9bbCFUyIuWg&feature=youtu.be</p>	<p>Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>
<p>w/c 11/04/2022 5 weeks to go...</p>	<p>Cells (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 27 https://www.youtube.com/watch?v=E9ZiTAaRC-E&feature=youtu.be</p>	<p>Chemical and energy changes (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 109, 113 https://www.youtube.com/watch?v=L7829UGifpM</p>	<p>Forces (paper 2) Recap your notes and questions, answer quick fire questions on PK workbook 179 https://www.youtube.com/watch?v=ifjb1pnH8zw</p>
<p>w/c 18/04/2022</p>	<p>Organisation (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook 33</p>	<p>Rates of reaction and Organic Chemistry (paper 2)</p>	<p>Waves (paper 2) Recap your notes and questions, answer quick fire questions on PK workbook 186</p>

4 weeks to go...	https://www.youtube.com/watch?v=QnsRz0Xhup8&feature=youtu.be	Recap your notes and questions, answer quick fire questions on PK workbook 118,124-125 https://www.youtube.com/watch?v=OyXq2HYCKL0&t=423s	https://www.youtube.com/watch?v=AEFWEDC6DkQ
w/c 25/04/2022 3 weeks to go...	Disease & Bioenergetics (paper 1) Recap your notes and questions, answer quick fire questions on PK workbook Bioenergetics- 44 https://www.youtube.com/watch?v=1nuYpKaQ3jA&feature=youtu.be Disease- 40 https://www.youtube.com/watch?v=pq3B_sozPKo&feature=youtu.be	Chemical Analysis, Chemistry of the atmosphere and Using Resources (paper 2) Recap your notes and questions, answer quick fire questions on PK workbook 129 &133 & 137 https://www.youtube.com/watch?v=DznhhA2QHUG https://www.youtube.com/watch?v=vMKAHdoc-g0 https://www.youtube.com/watch?v=xBUXqfa2gHo	Electromagnetism (paper 2) Magnetic fields, motor effect, PK WB pgs- 189-194 Quick fire questions page 192 https://www.youtube.com/watch?v=mnigg3MGsIY https://www.youtube.com/watch?v=AEFWEDC6DkQ
w/c 02/05/2022 2 weeks to go...	Full paper 2 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20	Full paper 2 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20	Full paper 2 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20
w/c 09/05/2022 1 weeks to go...	Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20 Paper 1 whole video-	Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20 Chemistry paper 1 (whole)	Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20

	<p>https://www.youtube.com/watch?v=mKYQ-K23Mr4</p> <p>Quick fire questions paper 1- https://www.youtube.com/watch?v=Oq-79mTaHHw</p> <p>Paper 2 whole video- https://www.youtube.com/watch?v=Ugti-xPnT-8</p> <p>Quick fire questions paper 2- https://www.youtube.com/watch?v=pPqVf5N2dT0</p>	<p>https://www.youtube.com/watch?v=MpQ-3YAWNhI</p> <p>Quick fire Questions https://www.youtube.com/watch?v=jrxM1Jdv2LM</p> <p>Chemistry paper 2 (whole) https://www.youtube.com/watch?v=HJu8WTtZJU</p> <p>Quick fire Questions https://www.youtube.com/watch?v=RgeaVWnZ4fo</p>	<p>Paper 1 whole video https://www.youtube.com/watch?v=xtw-Z0nIIA4</p> <p>Paper 1 quick fire questions https://www.youtube.com/watch?v=FosCAjZTIWs</p> <p>Paper 2 whole video https://www.youtube.com/watch?v=X1aMXCr75Kw</p> <p>Paper 2 quick fire questions https://www.youtube.com/watch?v=8aZPIgnX-2w</p>
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Triple Science – AQA GCSE Biology

Exampro questions for each topic are loaded into your Teams page under 'Exampro countdown to exams' in the 'Revision Resources' file.

	Paper 1 – 1 hour	Paper 2 – 1 hour	Optional Extra
<p>w/c 07/02/2022 14 weeks to go...</p>	<p>Cells- prokaryotic and eukaryotic, organelles, specialisation, stem cells and their uses (+ethics), mitosis. Req prac microscopy, size and scale (micrometres etc) PK WB pg-25-29 https://www.youtube.com/watch?v=sdpmVQooYS4</p>	<p>Homeostasis- nervous system Basic homeostasis, reflexes, nervous system structure, the brain, the eye, problems with the eye PK WB pg- 47-54 https://www.youtube.com/watch?v=xOfqw7MbU8k</p>	<p>Exampro questions on teams</p>
<p>w/c 14/02/2022 13 weeks to go...</p>	<p>Cells 2- Transport- active transport, diffusion, osmosis, osmosis required practical. PK WB pg- 25-29 https://www.youtube.com/watch?v=sdpmVQooYS4</p>	<p>Homeostasis- body temperature control, removing waste (liver and urea), kidney, dialysis and transplants PK WB pg- 47-54 https://www.youtube.com/watch?v=xOfqw7MbU8k</p>	<p>Exampro questions on teams</p>
<p>w/c 21/02/2022 12 weeks to go...</p>	<p>Organisation- Enzymes, hierarchy (difference between cell, tissue, organ, organism), chemistry of food, digestive enzymes (location, product, function), bile, factors affecting enzyme action, making digestion efficient, **food tests** PK WB pg-30-36 https://www.youtube.com/watch?v=DJ0lZGkDx6A</p>	<p>Homeostasis- hormones Hormonal control, glucose levels & diabetes, negative feedback, reproduction, menstrual cycle, contraception and fertility, plant hormones PK WB pg- 47-54 https://www.youtube.com/watch?v=xOfqw7MbU8k</p>	<p>Exampro questions on teams</p>
<p>w/c 28/03/2022 11 weeks to go...</p>	<p>Organisation- Blood, vessels, heart, lungs, breathing, gaseous exchange, tissues in plants (xylem and phloem), transpiration and factors affecting transpiration PK WB pg-30-36 https://www.youtube.com/watch?v=DJ0lZGkDx6A</p>	<p>Ecology- competition in organisms, distribution (Quadrat req. prac), adaptations in organisms, the carbon cycle, nutrient/ nitrogen cycle, decomposition PK WB pg-55-62 https://www.youtube.com/watch?v=SKDn90HK98Q</p>	<p>Exampro questions on teams</p>
<p>w/c 07/03/2022 10 weeks to go...</p>	<p>Communicable diseases-</p>	<p>Reproduction- alleles and chromosomes, punnett squares, inherited disorders, genetic screening</p>	<p>Exampro questions on teams</p>

	<p>Health, req prac culturing microbes, preventing diseases, viral, bacterial, fungal and protest diseases, plant diseases</p> <p>PK WB pg-37-41</p> <p>https://www.youtube.com/watch?v=m7pxdTJ9NPI</p>	<p>PK WB pg-55-62</p> <p>https://www.youtube.com/watch?v=npl10a6p8jQ</p>	
<p>w/c 14/03/2022</p> <p>9 weeks to go...</p>	<p>Diseases- Vaccinations, testing drugs, **monoclonal antibodies**, antibiotics</p> <p>PK WB pg-37-41</p> <p>https://www.youtube.com/watch?v=m7pxdTJ9NPI</p>	<p>Variation- Natural selection, genetic engineering, selective breeding, cloning, adult cell cloning, ethics</p> <p>PK WB pg-55-62</p> <p>https://www.youtube.com/watch?v=npl10a6p8jQ</p>	<p>Exampro questions on teams</p>
<p>w/c 21/03/2022</p> <p>8 weeks to go...</p>	<p>Non communicable diseases- Cancer, diet, exercise and risk factors, smoking, carcinogens</p> <p>PK WB pg-37-41</p> <p>https://www.youtube.com/watch?v=m7pxdTJ9NPI</p>		<p>Educake test (paper 1)</p>
<p>w/c 28/03/2022</p> <p>7 weeks to go...</p>	<p>Bioenergetics Photosynthesis and respiration (whole chapter)+ metabolism</p> <p>PK WB pg- 42-45</p> <p>https://www.youtube.com/watch?v=1KIAWiHQ4sM</p>	<p>Evolution- History of genetics, Darwinism, fossils and extinction, antibiotic resistance, **classification and new classification**</p> <p>PK WB pg-55-62</p> <p>https://www.youtube.com/watch?v=npl10a6p8jQ</p>	<p>Mock paper 1 (complete and mark) select from either teams or the website below</p> <p>https://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>
<p>w/c 04/04/2022</p> <p>6 weeks to go...</p>	<p>Cells quick fire questions</p> <p>PK WB pg-27</p> <p>https://www.youtube.com/watch?v=E9ZiTAaRC-E</p>	<p>Ecology- pollution, global warming, biodiversity, biomass transfers and feeding relationships, making sustainable food, secure food</p> <p>PK WB pg-63-69</p> <p>https://www.youtube.com/watch?v=SKDn90HK98Q</p>	<p>Mock paper 2 (complete and mark) select from either teams or the website below</p> <p>https://www.aqa.org.uk/subjects/science/gcs</p>

			e/biology-8461/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20
w/c 11/04/2022 5 weeks to go...	Organisation quick fire questions PK WB pg-33 https://www.youtube.com/watch?v=QnsRz0Xhup8	Homeostasis Checklists and add to notes/ revise subjects you are unsure of and complete quick fire questions PK WB pg-51 https://www.youtube.com/watch?v=EMf0FbJl9BU	Exampro questions on teams
w/c 18/04/2022 4 weeks to go...	Disease quick fire questions PK WB pg-40 https://www.youtube.com/watch?v=pq3B_sozPKo	Reproduction Checklists and add to notes/ revise subjects you are unsure of and complete quick fire questions PK WB pg-60 https://www.youtube.com/watch?v=IL-dUnKmksY&feature=youtu.be	Educake test (paper 2)
w/c 25/04/2022 3 weeks to go...	Bioenergetics quick fire questions PK WB pg- 44 https://www.youtube.com/watch?v=1nuYpKaQ3jA	Ecology Checklists and add to notes/ revise subjects you are unsure of and complete quick fire questions PK WB pg- 67 https://www.youtube.com/watch?v=NorHSgd7Yyc	Exampro questions on teams
w/c 02/05/2022 2 weeks to go...	Mock paper 1 (selected from website or use predicted paper from teams revision file) and self mark https://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20 Video on the whole of Biology- https://www.youtube.com/watch?v=mKYQ-K23Mr4	Mock paper 2 (selected from website or use predicted paper from teams revision file) and self mark https://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20 Video on whole of Bio paper 2-	Exampro questions on teams

		https://www.youtube.com/watch?v=Uqti-xPnT-8	
<p>w/c 09/05/2022 1 weeks to go...</p>	<p>Another mock paper 1 (selected from website or use predicted paper from teams revision file) and self mark</p> <p>https://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p> <p>Quick fire questions paper 1-</p> <p>https://www.youtube.com/watch?v=Oq-79mTaHHw</p>	<p>Another mock paper 2 (selected from website or use predicted paper from teams revision file) and self mark</p> <p>https://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p> <p>Quick fire questions paper 2-</p> <p>https://www.youtube.com/watch?v=pPqVf5N2dT0</p>	<p>Exampro questions on teams</p>

Triple Science – AQA GCSE Chemistry

Exampro questions for each topic are loaded into your Teams page under 'Exampro countdown to exams' in the 'Revision Resources' file.

	Revision topic 1 – 1 hour	Revision topic 2 – 1 hour	Optional Extra
<p>w/c 07/02/2022 14 weeks to go...</p>	<p>Atomic structure and Periodic table (paper 1) Properties of elements, compounds, mixtures. Separation techniques. History of the atom, atomic structure, electron configuration. The periodic table. Noble gases, group 1, group 7 and transition metals. PK workbook (on teams) pages 89 - 95 https://www.youtube.com/watch?v=bgyuXU97jal</p>	<p>Measuring rates of reaction using graphs. Investigating rates of reaction by experiment. Factors affecting rate and the collision theory. Reversible reactions. Equilibrium and Le Chatelier's principle. Effects of changing concentration, pressure and temperature. PK WB 116-119 https://www.youtube.com/watch?v=7i90fiz9SmY</p>	<p>Exampro questions (on teams)</p>
<p>w/c 14/02/2022 13 weeks to go...</p>	<p>States of matter. Ions and ionic bonding, properties of ionic compounds. Covalent bonding in simple molecules and giant covalent structures. Metallic bonding and properties of metals including alloys. Fullerenes and graphene. Nanoparticles. PK WB 96-101 https://www.youtube.com/watch?v=9bbCFUyUluWg&feature=youtu.be</p>	<p>Hydrocarbons and the alkane family. Fractional distillation of crude oil including viscosity, flammability and boiling point changes. Complete and incomplete combustion. Cracking using steam or a catalyst. Testing for alkenes using bromine water. PK WB 120-126 https://www.youtube.com/watch?v=ZeUNWY7YDA</p>	<p>Exampro</p>
<p>w/c 21/02/2022 12 weeks to go...</p>	<p>Conservation of mass. Relative atomic and molecular mass. Moles and Avogadro's number. Balancing equations. Reacting masses and calculation of percentage yield. Atom economy. Calculating concentration. Titrations, including the calculation. Volumes of Gases. PK WB 102-105 https://www.youtube.com/watch?v=WqhZBnR743I</p>	<p>Structure, combustion and reactions of alkenes. Structure, uses and reactions of alcohols. Making alcohol by fermentation or hydration of ethene. Structure and reactions of carboxylic acids. Names and structure of esters. PK WB 120-126 https://www.youtube.com/watch?v=ZeUNWY7YDA</p>	<p>Exampro</p>
<p>w/c 28/03/2022 11 weeks to go...</p>	<p>The reactivity series and displacement reactions. Extraction of metals using reduction and electrolysis. Ionic half equations and reduction and</p>	<p>Addition polymerisation using alkenes as monomers. eg. ethene to polyethene. Condensation polymerisation using 2 functional groups eg making polyesters from diols and</p>	<p>Exampro</p>

	<p>oxidation. Making salts. The pH scale and hydrogen ions. Neutralisation. Strong and weak acids. PK WB 106-110 https://www.youtube.com/watch?v=KTmXEliU_Go</p>	<p>dicarboxylic acids. Structure of DNA. Structure of amino acids and formation of proteins. PK WB 120-126 https://www.youtube.com/watch?v=ZeUNWY7YDAo</p>	
<p>w/c 07/03/2022 10 weeks to go...</p>	<p>Electrolysis and the movement of ions in a molten ionic compound. Balanced half equations. Extraction of aluminium. Electrolysing solutions – which ion is discharged. Testing for gases. PK WB 106-110 https://www.youtube.com/watch?v=KTmXEliU_Go</p>	<p>Pure substances and mixtures. Formulations. Separating mixtures using chromatography. Tests for gases. Using flame tests or NaOH to test for positive ions including equations. Testing for negative ions. Use of instrumental methods such as flame emission spectroscopy. PK WB 127-130 https://www.youtube.com/watch?v=YyUQiUddBA4</p>	<p>Mock paper 1 practice from website: https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>
<p>w/c 14/03/2022 9 weeks to go...</p>	<p>Energy changes in exothermic and endothermic reactions and reaction profiles for each. Calculating bond enthalpies and the overall energy change. Simple cells, rechargeable and non-rechargeable batteries. Hydrogen fuel cells and their half equations. PK WB 111-114 https://www.youtube.com/watch?v=L7829UGifpM&t=2s</p>	<p>Gases in the atmosphere, how they have changed over time, greenhouse gases, global warming, atmospheric pollution and the carbon footprint. PK WB 131-134 https://www.youtube.com/watch?v=gxCrsqXZzeU&feature=youtu.be</p>	<p>Mock paper 2 practice from website https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>
<p>w/c 21/03/2022 8 weeks to go...</p>	<p>Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>	<p>Finite and renewable resources, potable water, purifying water, waste water treatment, extracting metals using bioleaching and phytomining. Life cycle assessments. Reduce, reuse and recycle. PK WB 135 -138 https://www.youtube.com/watch?v=KyVf2bVLI08&feature=youtu.be</p>	<p>Exampro</p>
<p>w/c 28/03/2022 7 weeks to go...</p>	<p>Atomic structure Recap your notes and questions, answer quick fire questions on PK workbook 92-93</p>	<p>Preventing corrosion. Properties of alloys. Composition of glass, ceramics and composites. Properties of polymers</p>	<p>Exampro</p>

	https://www.youtube.com/watch?v=mjIIPJ_c018&feature=youtu.be	<p>The Haber process and the equilibrium conditions required. Making and using NPK fertilisers. PK WB 135 –138</p> <p>https://www.youtube.com/watch?v=KyVf2bVLI08&feature=youtu.be</p>	
<p>w/c 04/04/2022 6 weeks to go...</p>	<p>Bonding Recap your notes and questions, answer quick fire questions on PK workbook 99-100</p> <p>https://www.youtube.com/watch?v=9bbCFUyluWg&feature=youtu.be</p>	<p>Full paper 2 practise (either on Microsoft teams or from AQA website below)</p> <p>https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>	Exampro
<p>w/c 11/04/2022 5 weeks to go...</p>	<p>Quantitative Chemistry Recap your notes and questions, answer quick fire questions on PK workbook 104</p> <p>https://www.youtube.com/watch?v=8uqWdmlKd7c&feature=youtu.be</p>	<p>Rates of reaction Recap your notes and questions, answer quick fire questions on PK workbook 118</p> <p>https://www.youtube.com/watch?v=C-tHYZwisNs&feature=youtu.be</p>	Exampro
<p>w/c 18/04/2022 4 weeks to go...</p>	<p>Chemical changes Recap your notes and questions, answer quick fire questions on PK workbook 109</p> <p>https://www.youtube.com/watch?v=7Nrma6v0A8I&feature=youtu.be</p>	<p>Organic Chemistry and Polymers Recap your notes and questions, answer quick fire questions on PK workbook 124-125</p> <p>https://www.youtube.com/watch?v=sE2DPOx48kE&feature=youtu.be</p>	Retry your mock paper 1 (from 10 weeks to go)
<p>w/c 25/04/2022 3 weeks to go...</p>	<p>Energy changes Recap your notes and questions, answer quick fire questions on PK workbook 113</p> <p>https://www.youtube.com/watch?v=PQtfjRoIMAE&feature=youtu.be</p>	<p>Chemical Analysis and Chemistry of the atmosphere Recap your notes and questions, answer quick fire questions on PK workbook 129 &133</p> <p>https://www.youtube.com/watch?v=vMKAHdoc-g0&feature=youtu.be</p> <p>https://www.youtube.com/watch?v=DznhhA2QHUG&feature=youtu.be</p>	Retry mock paper 2 (from 9 weeks to go)
<p>w/c 02/05/2022 2 weeks to go...</p>	<p>Chemistry paper 1 (whole)</p> <p>https://www.youtube.com/watch?v=MpQ-3YAwnHl</p>	<p>Using resources Recap your notes and questions, answer quick fire questions on PK workbook 137</p>	Exampro long answer questions

	<p>Quick fire Questions https://www.youtube.com/watch?v=jrxM1Jdv2LM</p> <p>Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>	<p>https://www.youtube.com/watch?v=xBUXqfa2gHo&feature=youtu.be</p> <p>Chemistry paper 2 (whole) https://www.youtube.com/watch?v=HJu8WTtZJU Quick fire Questions https://www.youtube.com/watch?v=RgeaVWnZ4fo</p>	
<p>w/c 09/05/2022 1 weeks to go...</p>	<p>Full paper 1 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>	<p>Full paper 2 practise (either on Microsoft teams or from AQA website below) https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>	<p>Exampro required practical questions</p>

Triple Science – AQA GCSE Physics

Examprom questions for each topic are loaded into your Teams page under 'Examprom countdown to exams' in the 'Revision Resources' file.

	Paper 1 – 1 hour	Paper 2 – 1 hour	Optional Extra
<p>w/c 07/02/2022 14 weeks to go...</p>	<p>Energy topic- energy types, equations, dissipation, efficiency, energy and power Primrose kitten workbook (in revision folder on Teams) pages- 151-158 https://www.youtube.com/watch?v=tDkBhy-Y1Z8</p>	<p>Forces- scalar and vector, resultant, moments, levers, equilibrium, parallelogram of forces, resolution of forces PK WB pgs 173-181 https://www.youtube.com/watch?v=Rz4XBSKNGXg&t=2s https://www.youtube.com/watch?v=8RI2_gJy0LO https://www.youtube.com/watch?v=P1ISWWUkMdQ https://www.youtube.com/watch?v=uwzhXL0vp1w https://www.youtube.com/watch?v=5kJBi2_BAPs</p>	<p>Examprom questions on teams</p>
<p>w/c 14/02/2022 13 weeks to go...</p>	<p>Electricity (cricuits, components, rules of series and parallel, static electricity, electric fields), resistance PK workbook Pgs- 159-164 https://www.youtube.com/watch?v=jSA4WaLSVEA</p>	<p>Wave properties-types, refraction, reflection, seismic waves, sound waves, ultrasound, light- reflection, refraction, colour PK WB- 182-188 https://www.youtube.com/watch?v=9JPNVJ_LC3E&t=3s https://www.youtube.com/watch?v=ITe6snlZBp8 https://www.youtube.com/watch?v=3qCmEHRFRH8 https://www.youtube.com/watch?v=0JzscbSaabM</p>	<p>Examprom questions on teams</p>
<p>w/c 21/02/2022 12 weeks to go...</p>	<p>Molecules and matter (particles, density SLH, pressure) PK workbook pages- 164-168 https://www.youtube.com/watch?v=cZz9oGgJOLO</p>	<p>Wave properties- Lenses, uses lenses, EM spectrum, communications, uses of the waves PK WB 182-188 https://www.youtube.com/watch?v=9JPNVJ_LC3E&t=3s https://www.youtube.com/watch?v=L0iivb-acqU https://www.youtube.com/watch?v=xmE54tohTsc https://www.youtube.com/watch?v=KNUcS4NaqDw</p>	<p>Examprom questions on teams</p>
<p>w/c 28/03/2022 11 weeks to go...</p>	<p>Molecules- radioactivity types, the nucleus, half life, equations for radiation, using radiation, fission, fusion PK workbook pgs-168-171 https://www.youtube.com/watch?v=cZz9oGgJOLO</p>	<p>Forces- Speed and distance graph, velocity, acceleration, velocity time graphs, acceleration. PK WB- 173-178 https://www.youtube.com/watch?v=Rz4XBSKNGXg&t=2s https://www.youtube.com/watch?v=09aDQcci_tQ https://www.youtube.com/watch?v=r5iXzDCRMSE</p>	<p>Mock paper 1 exam (select from the website) https://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>

<p>w/c 07/03/2022 10 weeks to go...</p>	<p>Energy- Specific heat capacity, IR radiation, insulating buildings, conduction, convection PK WB- 153-158 https://www.youtube.com/watch?v=tDkBhy-Y1Z8</p>	<p>Forces- conservation of momentum, safety feature, pressure and surfaces, pressure and liquids PK WB- 173-178 https://www.youtube.com/watch?v=Rz4XBSKNGXg&t=2s https://www.youtube.com/watch?v=YEhcQD6Hij8 https://www.youtube.com/watch?v=SVB6CjbTIAI</p>	<p>Exampro questions on teams</p>
<p>w/c 14/03/2022 9 weeks to go...</p>	<p>Electricity (AC/DC current, cables and plugs, the national grid- why do we send at high voltage not high current?, power) PK WB Pgs- 159-164 https://www.youtube.com/watch?v=jSA4WaLSVEA</p>	<p>Electromagnetism- Magnetic fields, currents, motor effects, generator, AC generator, transformers PK WB- 189-194 https://www.youtube.com/watch?v=mnigg3MGsIY https://www.youtube.com/watch?v=0yYGXgkOC7w https://www.youtube.com/watch?v=GNLhSKZh-jM https://www.youtube.com/watch?v=NjggJahwsG0 https://www.youtube.com/watch?v=M9ytpIMB5d8</p>	<p>Exampro questions on teams</p>
<p>w/c 21/03/2022 8 weeks to go...</p>	<p>Energy- demands, sustainable, non sustainable Notes, mindmaps, quick fire questions https://www.youtube.com/watch?v=tDkBhy-Y1Z8</p>	<p>Electromagnetism- Magnetic fields, currents, motor effects, generator, AC generator, transformers (make more notes on the topics and finish questions and exampro!) https://www.youtube.com/watch?v=mnigg3MGsIY https://www.youtube.com/watch?v=k1livkRjd1U</p>	<p>Mock paper 2 exam (select from the website) https://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>
<p>w/c 28/03/2022 7 weeks to go...</p>	<p>Required practicals in physics (skip to physics paper 1 pracs) Notes https://www.youtube.com/watch?v=_g7jpMW6jBw&list=PL7O6CcKg0HaGP3xojKg1d4wA6WY1Hr-49</p>	<p>Required practicals in physics (skip to physics paper 2 pracs) Notes https://www.youtube.com/watch?v=_g7jpMW6jBw&list=PL7O6CcKg0HaGP3xojKg1d4wA6WY1Hr-49</p>	<p>Educake test</p>
<p>w/c 04/04/2022 6 weeks to go...</p>	<p>Energy quick fire questions PK WB pgs 153 https://www.youtube.com/watch?v=q5CwATii6OA</p>	<p>Space and quick fire qs on space PK WB- 194-197 Quick fire- 195 https://www.youtube.com/watch?v=Mdi0i24tNT0 https://www.youtube.com/watch?v=f3Rf1aVStIk</p>	<p>Exampro questions on teams</p>

<p>w/c 11/04/2022 5 weeks to go...</p>	<p>Electricity quick fire questions PK WB pgs 162 https://www.youtube.com/watch?v=62RyyfKZoYg</p>	<p>Quick fire qs on forces 179 https://www.youtube.com/watch?v=jfjb1pnH8zw</p>	<p>Exampro questions on teams</p>
<p>w/c 18/04/2022 4 weeks to go...</p>	<p>Particles and atomic structure quick fire questions PK WB pgs 167 https://www.youtube.com/watch?v=z9L6zfMVk3U https://www.youtube.com/watch?v=bRzRjfoU-E</p>	<p>Quick fire qs on waves 186 https://www.youtube.com/watch?v=AEFwEDC6DkQ</p>	<p>Mock paper 1 (retry your last paper)</p>
<p>w/c 25/04/2022 3 weeks to go...</p>	<p>Test on educake, go over exampro questions for paper 1. Predicted paper on revision files in teams</p>	<p>Quick fire qs on Electromagnetism 192 https://www.youtube.com/watch?v=LyflUYL4FvM</p>	<p>Mock paper 2 (retry your last paper)</p>
<p>w/c 02/05/2022 2 weeks to go...</p>	<p>Spend time on exampro doing long answer questions and self marking Complete all physics checklists in the physics paper 1 part of PK workbook. Consolidate notes on topics you are unsure of. Video on whole of paper 1 https://www.youtube.com/watch?v=xtw-Z0nIIA4</p> <p>Paper 1 quick fire questions https://www.youtube.com/watch?v=FosCAjZTIWs</p>	<p>Spend time on exampro doing long answer questions and self marking Complete all physics checklists in the physics paper 2 part of PK workbook. Consolidate notes on topics you are unsure of. Video on whole of paper 2 https://www.youtube.com/watch?v=X1aMXCr75Kw</p> <p>Paper 2 quick fire questions https://www.youtube.com/watch?v=8aZPlgnX-2w</p>	<p>Mock paper 2 (new paper from website) https://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>
<p>w/c 09/05/2022 1 weeks to go...</p>	<p>Spend time on exampro doing long answer questions and self marking</p>	<p>Spend time on exampro doing long answer questions and self marking</p>	<p>Mock paper 1 (new paper from website) https://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources?f.Resource+type%7C6=Mark+schemes&f.Resource+type%7C6=Question+papers&sort=date&num_ranks=20</p>

Computer Science – OCR GCSE Computer Science

	<i>Revision topic 1 – 1 hour</i>	<i>Revision topic 2 – 1 hour</i>	<i>Optional Extra</i>
w/c 07/02/2022 14 weeks to go...	Systems Architecture – The CPU, including registers and the FDE cycle	Programming – Data types, casting, operators, variables	https://student.craigndave.org/videos/slr1-1-systems-architecture https://student.craigndave.org/videos/slr2-2-programming-fundamentals
w/c 14/02/2022 13 weeks to go...	Systems Architecture – Embedded systems	Programming – Pseudocode challenges	https://student.craigndave.org/videos/slr1-1-systems-architecture https://student.craigndave.org/videos/slr2-1-algorithms https://student.craigndave.org/videos/slr2-2-programming-fundamentals
w/c 21/02/2022 12 weeks to go...	Memory and Storage – RAM, ROM and Cache	Programming – Integrated development environments + Translators	https://student.craigndave.org/videos/slr1-2-memory-and-storage https://student.craigndave.org/videos/slr2-5-programming-languages-and-ides
w/c 28/03/2022 11 weeks to go...	Memory and Storage – Secondary storage and its characteristics	Programming – Pseudocode challenges	https://student.craigndave.org/videos/slr1-2-memory-and-storage https://student.craigndave.org/videos/slr2-1-algorithms https://student.craigndave.org/videos/slr2-2-programming-fundamentals
w/c 07/03/2022 10 weeks to go...	Networks and the Internet – LANs, WANs, client-server, peer-to-peer, topologies	Programming – Defensive design, testing	https://student.craigndave.org/videos/slr1-3-computer-networks-connections-and-protocols https://student.craigndave.org/videos/slr2-3-producing-robust-programs

<p>w/c 14/03/2022 9 weeks to go...</p>	<p>Networks and the Internet – Network protocols, TCP/IP stack, the internet (inc. DNS), network threats</p>	<p>Programming – Pseudocode challenges</p>	<p>https://student.craigndave.org/videos/slr1-3-computer-networks-connections-and-protocols</p> <p>https://student.craigndave.org/videos/slr2-2-programming-fundamentals</p>
<p>w/c 21/03/2022 8 weeks to go...</p>	<p>Network Threats – Types of threat and preventative measures</p>	<p>Programming – String methods</p>	<p>https://student.craigndave.org/videos/slr1-4-network-security</p>
<p>w/c 28/03/2022 7 weeks to go...</p>	<p>Software – Utilities, open source and proprietary</p>	<p>Programming – Pseudocode challenges</p>	<p>https://student.craigndave.org/videos/slr1-5-systems-software</p> <p>https://student.craigndave.org/videos/slr2-1-algorithms</p> <p>https://student.craigndave.org/videos/slr2-2-programming-fundamentals</p>
<p>w/c 04/04/2022 6 weeks to go...</p>	<p>Issues – Ethical and cultural</p>	<p>Programming – Functions</p>	<p>https://student.craigndave.org/videos/slr1-6-ethical-legal-cultural-and-environmental-concerns</p>
<p>w/c 11/04/2022 5 weeks to go...</p>	<p>Issues - Environmental and computer legislation</p>	<p>Programming – Pseudocode challenges</p>	<p>https://student.craigndave.org/videos/slr1-6-ethical-legal-cultural-and-environmental-concerns</p> <p>https://student.craigndave.org/videos/slr2-1-algorithms</p> <p>https://student.craigndave.org/videos/slr2-2-programming-fundamentals</p>
<p>w/c 18/04/2022 4 weeks to go...</p>	<p>Data Representation – Units, Binary and Hex</p>	<p>Programming – Arrays</p>	<p>https://student.craigndave.org/videos/slr1-2-memory-and-storage</p>
<p>w/c 25/04/2022</p>	<p>Data Representation – Character sets, storing sounds and images</p>	<p>Programming – Pseudocode challenges</p>	<p>https://student.craigndave.org/videos/slr1-2-memory-and-storage</p>

3 weeks to go...			https://student.craigdave.org/videos/slr2-1-algorithms https://student.craigdave.org/videos/slr2-2-programming-fundamentals
w/c 02/05/2022 2 weeks to go...	Data Representation – Compression	Programming – Searching and sorting algorithms	https://student.craigdave.org/videos/slr1-2-memory-and-storage https://student.craigdave.org/videos/slr2-1-algorithms
w/c 09/05/2022 1 weeks to go...	Data Representation – Databases and logic	Programming – Pseudocode challenges	https://student.craigdave.org/videos/slr2-4-boolean-logic https://student.craigdave.org/videos/slr2-1-algorithms https://student.craigdave.org/videos/slr2-2-programming-fundamentals

Geography – AQA GCSE Geography

	<i>Revision topic 1 – 1 hour</i>	<i>Revision topic 2 – 1 hour</i>	<i>Optional Extra</i>
w/c 07/02/2022 14 weeks to go...	Rivers- processes of erosion, deposition and transportation. (HASA, TSSS) River landforms- waterfall formation and Ox Bow Lake formation. Pages 114-123 in the textbook CASE STUDY: RIVER TEES https://www.bbc.co.uk/bitesize/guides/ztpkqty/revision/4 https://www.youtube.com/watch?v=CGTpiOSkhfc&t=7s https://www.youtube.com/watch?v=1gyIRVgptBM https://www.youtube.com/watch?v=HbGWcXxa7rc https://www.youtube.com/watch?v=KviqtG2LyGY	Create a case study revision sheet on your NEE CASE STUDY: NIGERIA Focus this week on ‘Exploring Nigeria’. Look at it’s location and the political, social, cultural and environmental background. Pages 218- 221 in the textbook.	Write up a diary account of what you did on your fieldtrip to BLACKPOOL BROOK.

	http://www.heanorgate.org.uk/images/Educational Evening 2018/Geog/AQA Geography 2018 case studies booklet.pdf	https://www.youtube.com/watch?v=xOIThdjzhs4	
w/c 14/02/2022 13 weeks to go...	River management- hard and soft engineering. CASE STUDY: BOSCASTLE FLOODING https://www.youtube.com/watch?v=ghFNNllgqrE https://www.bbc.co.uk/bitesize/guides/zg4tfrd/revision/5 https://www.youtube.com/watch?v=scULGJGa9oQ	NEE CASE STUDY: NIGERIA Nigeria's changing relationships with the wider world. Nigeria's local and global importance (Importance in Africa and the world). Pages 222-223 https://www.youtube.com/watch?v=G963T69-VYU	Write up a diary account of what you did on your fieldtrip to Bristol Temple Quarter.
w/c 21/02/2022 12 weeks to go...	Coasts- processes of erosion, deposition and transportation (HASA, TSSS, longshore drift, types of waves and weathering and mass movement) Pages 92-97 in the textbook. https://www.youtube.com/watch?v=HeWZxg9WnjE https://www.youtube.com/watch?v=0PufvhlneX0	NEE CASE STUDY: NIGERIA Nigeria's changing economy- Looking at industrial/employment structure. Pages 224-225 https://www.youtube.com/watch?v=lUmpdeNd-2E	Collect a SLC MAP SKILLS checklist- complete this. What skills do you need to practice!?!
w/c 28/03/2022 11 weeks to go...	Coastal landforms- landforms created by deposition and erosion. -Headlands and Bays -Caves, arches, stacks and stumps -Beaches and sand dunes -Spits, bars and tombolos	NEE CASE STUDY: NIGERIA TNC's in Nigeria- Shell Oil.	Collect a longitude and latitude sheet from the desk in 213.

	<p>CASE STUDY- OLD HARRY ROCKS, SWANAGE BAY</p> <p>Pages- 98-105 in the textbook.</p> <p>https://www.youtube.com/watch?v=zDm8Ve3-KAo https://www.youtube.com/watch?v=MX5yeQLg1OY https://www.youtube.com/watch?v=eI8fO_B20tA</p>	<p>Pages- 226-227</p> <p>https://www.youtube.com/watch?v=gKxq3-g6i_w</p>	
<p>w/c 07/03/2022 10 weeks to go...</p>	<p>Coastal management- hard and soft engineering.</p> <p>CASE STUDY: HOLDERNESS COASTLINE</p> <p>Pages 106-111</p> <p>https://www.youtube.com/watch?v=BjnvkArg_60 https://www.youtube.com/watch?v=roQcQihx8E8 https://www.bbc.co.uk/bitesize/guides/z2234j6/revision/4</p>	<p>NEE CASE STUDY: NIGERIA</p> <p>Impacts of international aid on Nigeria.</p> <p>Pages 228-229</p> <p>https://www.youtube.com/watch?v=EE7FQ12OmAQ</p>	<p>Collect a 4 or 6 figure grid reference sheet from the desk in 213.</p>
<p>w/c 14/03/2022 9 weeks to go...</p>	<p>Ecosystems- small scale ecosystem (POND) and global ecosystems- characteristics.</p> <p>Pages 52-53 and 56-57.</p> <p>https://www.youtube.com/watch?v=WbNoS_e_8m0 https://www.youtube.com/watch?v=l_RhR694LLw</p>	<p>NEE CASE STUDY: NIGERIA</p> <p>Environmental impacts of economic growth- farming and deforestation, mining and oil extraction. Oil Spills. Quality of life in Nigeria.</p> <p>Pages- 230- 233.</p> <p>https://www.youtube.com/watch?v=U15N4WyGlqM</p>	<p>Use pages 120-121 in the revision guide to check your understanding of OS maps.</p>

<p>w/c 21/03/2022 8 weeks to go...</p>	<p>Tropical rainforests- location, climate, soil and adaption of plants and animals. Pages 58-59. https://www.youtube.com/watch?v=oCEvEwx_pdg</p>	<p>Define types of natural hazards and factors affecting hazard risk. Distribution of earthquakes and volcanoes. Plate Margins Pages 8-13. https://www.youtube.com/watch?v=1CQogw_09_U&t=22s</p>	<p>Use page 122-124 in the revision guide to check your understanding of charts and graphs.</p>
<p>w/c 28/03/2022 7 weeks to go...</p>	<p>Tropical rainforests- Causes, impacts and management. CASE STUDY: AMAZON RAINFOREST. https://www.youtube.com/watch?v=5lO2sKYtwmw https://www.youtube.com/watch?v=lwbNCAcRCSI</p>	<p>CASE STUDY HIC EARTHQUAKE: CHRISTCHURCH, 2011 CASE STUDY LIC EARTHQUAKE: HAITI, 2010 https://www.youtube.com/watch?v=fwiPg0LpUBw https://www.youtube.com/watch?v=3l9B1dvfT-o https://www.youtube.com/watch?v=cdaGIUU7_j0&t=1s</p>	<p>Maths check... Do you know the difference between mean, median and mode?</p>
<p>w/c 04/04/2022 6 weeks to go...</p>	<p>Hot Deserts -Characteristics -Development opportunities and challenges CASE STUDY: SAHARA DESERT.</p>	<p>Tropical Storms- location, formation and features. CASE STUDY: TYPHOON HAIYAN Pages 24-29</p>	<p>Maths check... Are you able to calculate percentage and percentage change?</p>

	<p>Pages 68-69</p> <p>https://www.youtube.com/watch?v=LMDjE-i3PbY https://www.youtube.com/watch?v=ynLwTn5jw8k</p> <p>https://www.internetgeography.net/topics/opportunities-and-challenges-in-the-sahara-desert/</p>	<p>https://www.youtube.com/watch?v=9Qn6jdK5loE https://www.youtube.com/watch?v=2DxYbnWmM-0</p>	
<p>w/c 11/04/2022 5 weeks to go...</p>	<p>Desertification -Causes -Deducing desertification</p> <p>Pages 74-77</p> <p>https://www.youtube.com/watch?v=meYBvs73aXY</p>	<p>Global atmospheric circulation model (system) - How it affects weather.</p> <p>Pages 22-23</p> <p>https://www.youtube.com/watch?v=GZVMUOqzP50</p>	<p>Maths check...</p> <p>Can you draw a pie chart and bar graph?</p>
<p>w/c 18/04/2022 4 weeks to go...</p>	<p>Urban issues-</p> <ul style="list-style-type: none"> - Global pattern of Urban change - Factors leading to urban change - Mega cities <p>Pages 148-151</p> <p>https://www.youtube.com/watch?v=M1drmu72QiU https://www.youtube.com/watch?v=5bGdv1joUkw</p>	<p>UK Weather Hazards.</p> <p>CASE STUDY: SOMERSET LEVELS FLOODING</p> <p>Pages 34-39</p> <p>https://www.youtube.com/watch?v=YwjogWGGtpY https://www.youtube.com/watch?v=K21rpRPs8M</p>	<p>Define the following words:</p> <p>Evaluate Method Conclusion Validity Enquiry Data collection Data Presentation.</p>
<p>w/c 25/04/2022 3 weeks to go...</p>	<p>NEE City</p>	<p>Climate change</p>	<p>Collect a paper 3 past paper from</p>

	<p>CASE STUDY: RIO DE JANEIRO</p> <ul style="list-style-type: none"> - Land use and growth - Social challenges and improvements - Economic challenges and improvements - Environmental challenges and improvements <p>Pages 152-159</p> <p>https://www.youtube.com/watch?v=XfMI0grZUw8 https://www.youtube.com/watch?v=-_FMyRXHtyc</p>	<ul style="list-style-type: none"> - evidence of past climate change - causes- natural and human - mitigation- managing climate change - adaptation- managing climate change <p>Pages 40-49</p> <p>https://www.youtube.com/watch?v=aynyO_rXN4Q&t=1574s https://www.youtube.com/watch?v=wl8ADF1ruQ</p>	<p>213 or use link below</p> <p>https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-80353-QP-JUN18.PDF</p>
<p>w/c 02/05/2022 2 weeks to go...</p>	<p>NEE City</p> <p>CASE STUDY: RIO DE JANEIRO</p> <ul style="list-style-type: none"> - Shanty towns problem and solutions <p>Pages 160-163</p> <p>https://www.youtube.com/watch?v=IG1FKq6XQ-E</p>	<p>Hazard Risk</p> <ul style="list-style-type: none"> - Why people live in hazardous areas - 3 P's (Prepare, protect, predict) - Mitigating the risk - Mitigating the risk of tropical storms. <p>Pages 18-21 and 30-31</p> <p>https://www.youtube.com/watch?v=M1j-7XwZ_ew https://www.youtube.com/watch?v=bOrkn3eYSI</p>	<p>Continue with paper 3 past paper</p> <p>https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-80353-QP-JUN18.PDF</p> <p>HAND INTO JG FOR MARKING TUESDAY 5th MAY</p>

<p>w/c 09/05/2022 1 weeks to go...</p>	<p>Urban Change in the UK- Population distribution.</p> <p>https://www.youtube.com/watch?v=hQWondusrj8</p> <p>CASE STUDY HIC CITY: BRISTOL UK CITY</p> <ul style="list-style-type: none"> - Importance of Bristol and its growth - Cause of growth- including impact of migration. <p>Pages 166-167</p> <p>https://www.bbc.co.uk/bitesize/guides/z2dmn39/revision/5</p> <p>http://www.heanorgate.org.uk/images/Educational_Evening_2018/Geog/AQA_Geography_2018_case_studies_booklet_paper_2.pdf</p>	<p>Paper 1 practice paper</p> <ul style="list-style-type: none"> - Collect from 213 or use link below. - Complete by 11th May- hand in to JG for marking. <p>https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-80351-QP-JUN18.PDF</p>	<p>DIRT TASK:</p> <p>Paper 3 improvement/ feedback.</p> <p>PLUS....</p> <p>UK in the wider world</p> <p>Pages 250-253</p> <p>https://www.youtube.com/watch?v=itH1m8lxLdc</p>
<p>w/c 16/05/2022</p>	<p>CASE STUDY HIC CITY: BRISTOL UK CITY</p> <ul style="list-style-type: none"> - Economic opportunities and challenges - Social opportunities and challenges - Environmental opportunities and challenges <p>CASE STUDY: TEMPLE QUARTER URBAN REGENERATION PROJECT</p> <p>Pages 168-185</p> <p>https://www.youtube.com/channel/UCw7TyUbG_NGdOozPnpwshQ/videos</p> <p>https://www.cram.com/flashcards/temple-quarter-case-study-6485343</p>	<p>Review case studies and examples:</p> <ul style="list-style-type: none"> - LIC/HIC earthquake - Storm Haiyan - UK Extreme weather - Coastal Management- Holderness - River Tees <p>Boscastle</p>	<p>DIRT TASK:</p> <p>Paper 1 improvement/ feedback,</p> <p><u>1 hour revision link</u> <u>Link to human fieldwork.</u> What did you investigate in Bristol? When did you go? What conclusions can you draw from it? How could we have improved your study?</p>
<p>w/c 23/06/2022</p>	<p>UK Economy- causes of economic change</p>	<p>Sustainable Urban Living</p>	<p>Paper 2 practice paper-collect from</p>

	<ul style="list-style-type: none"> - Deindustrialisation. - Globalisation - Government policy <p>https://www.youtube.com/watch?v=UYKTX-qQc-4</p> <p>Pages 234-237</p>	<p>Pages 186-191</p> <p>CASE STUDY: FREIBURG SUSTAINABLE URBAN LIVING</p> <p>https://quizlet.com/349971710/gcse-geography-freiburg-case-study-flash-cards/</p> <p>https://studywise.co.uk/wp-content/uploads/GCSE-Geography-Case-Study-Collection.pdf</p>	<p>213 or use the link below.</p> <p>https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-80352-QP-JUN18.PDF</p> <p>Hand into JG on 26th May for marking</p>
w/c 30/05/2022	<p>Resource Management</p> <ul style="list-style-type: none"> - Distribution - Provision for food in the UK - Provision of water in the UK - Provision of energy in the UK <p>https://www.youtube.com/watch?v=dID_iMaidL0 https://www.youtube.com/watch?v=HuL2PhKdjsw https://www.youtube.com/watch?v=HM2j5g9Kblo https://www.youtube.com/watch?v=kpRgAr5f3NE</p> <p>Pages 256-263</p>	<p>UK Economy</p> <ul style="list-style-type: none"> - improvements in road, rail and infrastructure <p>https://www.youtube.com/watch?v=nVi9J4KkT3U</p> <p>Pages 244-247</p>	<p>UK Science and Business parks-</p> <p>https://www.youtube.com/watch?v=4yEsngz9YzE</p> <p>CASE STUDY: SOUTHAMPTON</p> <p>Pages 238-239</p>
w/c 06/06/2022	<p>Energy Management</p> <ul style="list-style-type: none"> - Supply vs Demand - Energy insecurity - Increasing energy <p>CASE STUDY: EXTRACTING NATURAL GAS- NON RENEWABLE RESOURCE.</p> <p>Pages 288-295</p>	<p>Sustainable energy use</p> <p>CASE STUDY: CHAMBAMONTERA MICRO-HYDRO SCHEME</p> <p>Pages 298-299</p>	<p>North/ South Divide</p> <p>https://www.youtube.com/watch?v=gOpNd-khY1E</p> <p>Pages 248-249</p>

	<p>https://www.bbc.co.uk/bitesize/guides/zxc2sg8/revision/1</p> <p>https://getrevising.co.uk/diagrams/natural-gas</p>	<p>https://teamgeographygcse.weebly.com/the-chambamontera-micro-hydro-scheme.html#</p> <p>https://quizlet.com/298617197/gcse-geography-chambamontera-case-study-updated-flash-cards/</p>	
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Maths – EdExcel GCSE in Mathematics Further

	<i>Revision topics in class worksheets</i>	<i>Textbook Pages</i>	<i>Corbettmaths.com More Further Maths</i>	<i>Textbook pages</i>
w/c 21/02/2022 12 weeks to go...	Algebra/ratio	1-4	Product Rule for Counting Surds(addition/subtraction) Surds(rationalising denominators) Expanding 3 Brackets Expanding Brackets (Pascal's triangle) Factorisation Factorising Quadratics	22-28 18-22 12-14 14-17 28-32
w/c 28/03/2022 11 weeks to go...	Functions	42-76	Function Notation Composite Functions Inverse Functions Domains and Ranges Drawing Functions	42-44 47-49 64-68 44-47 49-60
w/c 07/03/2022 10 weeks to go...	Factor Theorem	90-96	Factor Theorem Algebraic Long Division Factorising Cubics Solving Cubics Completing the Square (x^2) Completing the Square (ax^2)	90-96 92 90-95 78-83
w/c 14/03/2022 9 weeks to go...	Sequences	108-113	Exponential Graphs Sketching Quadratics Solving Quadratics by Factorisation Solving Quadratics (Completing the Square) Solving Quadratics (Quadratic Formula) Simultaneous Equations (both linear) Simultaneous Equations (non-linear) Simultaneous Equations (3 unknowns)	68-71 60-64 77-83 77-83 77-83 84-90 84-90 115-121
w/c 21/03/2022 8 weeks to go...	Proof	106-108	Algebraic Proof nth Terms Limiting Values Linear Sequences Quadratic Sequences	106-108 108-113 113-115 108-113 108-113
w/c 28/03/2022 7 weeks to go...	Inequalities	96-101	Linear Inequalities Quadratic Inequalities	96-98 98-101

			Laws of Indices Fractional Indices Negative Indices Equations with indices/roots	101-106
w/c 04/04/2022 6 weeks to go...	Geometry	155-159	Geometric Proof Sine Rule (sides) (angles) (ambiguous case) Cosine Rule (sides) Cosine Rule (angles) Area of a Triangle	155-159 184-188 188-191 180-184
w/c 11/04/2022 5 weeks to go...	Circles	137-148	Equation of a Circle (centre is the origin) Equation of a Circle (centre not the origin) Circle Theorems Equation of a Tangent to a Circle	137-148 137-148 150-159
w/c 18/04/2022 4 weeks to go...	Matrices 1	238-241	Multiplying Matrices (by a scalar) Multiplying Matrices (2x2 by 2x1) Multiplying Matrices (2x2 by 2x2)	238-241
w/c 25/04/2022 3 weeks to go...	Matrices 2	241-248	Identity Matrix Transforming the Unit Square Matrix Transformations	243 244 241-252
w/c 02/05/2022 2 weeks to go...	Calculus	208-226	Introduction Differentiation Differentiation after Rearranging Gradient of a Curve Equation of a Tangent Equation of a Normal Increasing/Decreasing Function d ² y/dx ² Stationary Points Application of Differentiation Sketch curve knowing maxima/minima	208-212 216-217 212-217 217-221 222-223 223-227 231-236
w/c 09/05/2022 1 weeks to go...	Misc	All	Gradient Parallel Lines Perpendicular Lines Distance between two points Midpoint of a Lines Ratio (Lines) Equation of a Line 3D Pythagoras 3D Trigonometry Exact Trig Values Trig Identities Trig Graphs Finding other Trig ratios Solving Trigonometric Equations	121-122 122 123 127 194 164-176 168-174 170-171

History – EdExcel GCSE in History

	Knowledge focus	Exam Question(s)
w/c 07/02/2022 14 weeks to go...	Medieval Medicine	Describe two features of the theory of the four humours (1 sentence for the feature, one sentence to explain). (4 marks)
w/c 14/02/2022 13 weeks to go...	Weimar Republic	Find a source and analyse its utility (don't forget provenance!) (8 marks)
w/c 21/02/2022 12 weeks to go...	Origins of the Cold War	Explain two consequences of the US development of the bomb. (8 marks)
w/c 28/03/2022 11 weeks to go...	Renaissance Medicine	Explain why there were improvements in medical knowledge in the period (12 marks)
w/c 07/03/2022 10 weeks to go...	Hitler's rise 1919-33	Explain why the Nazis were able to gain so much political support 1929-33. (12 marks)
w/c 14/03/2022 9 weeks to go...	Cold War Crises	Write a narrative account of the Cuban Missile Crisis (8 marks)
w/c 21/03/2022 8 weeks to go...	Enlightenment and Industrial Medicine	Explain one way in which ideas about the causes of illness in the years 1750-1950 differed from those in the years 1500-1750. (4 marks)
w/c 28/03/2022 7 weeks to go...	Nazi Dictatorship 1933-39	How far do you agree that the SS, SD and Gestapo were the most important element in maintaining Hitler's dictatorship? (16 marks +4 SPaG)
w/c 04/04/2022 6 weeks to go...	End of the Cold War	Explain the importance of Reagan Doctrine. (16 marks)
w/c 11/04/2022 5 weeks to go...	Modern Medicine	'Providing access to care and treatment has been the most important development in the role of the government in medicine in the years 1800-present.' How far do you agree? Explain your answer. (No fence sitting!) (16 marks + 4 SPaG)
w/c 18/04/2022 4 weeks to go...	Life in Nazi Germany 1933-39	Explain why there was little criticism for policies such as the Nuremberg Laws. (12 marks)
w/c 25/04/2022 3 weeks to go...	Western Front	Describe two features of the trench system. (4 marks)
w/c 02/05/2022 2 weeks to go...	Key Figures from all units	'The main reason for the development (or lack thereof) of medicine between 1250-present is due to the particular advances made by individuals, without whom medicine would be much the worse. How far do you agree? Explain your answer. (16 marks + 4SPaG)

w/c 09/05/2022

1 weeks to go...

Key Events/dates from all units

Write a narrative account of the collapse of the Soviet Union 1979-1991. (8 marks).