Student Learning and Revision Support for GCSE

2024-2026

Art - OCR

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
At least 5 observational, tonal drawings in a range of materials (pencil, pen, pencil crayon, mono print, charcoal, pastels etc) including at least 2 in pencil. *(AO3)*				
Your own photographs of your chosen subject matter. Contact sheets included within sketchbook (20 images for each shoot!) *(AO3)*				
Annotations to explain your initial ideas linked to your chosen theme natural form/ still life. *(AO1)*				
Minimum of 2 Artists researched and analysed. *(AO1)*				
Your own copy of each artist's work (whole picture or a section of their work) *(AO1)*				
Your own interpretation of each artist's work – work in their style, techniques, colours etc. but based on your own photograph or drawing. *(AO1)*				
Combined experiment – bring together both artists styles in one piece of work. Eg. colours of one, technique of the second. *(AO2 & AO1)*				
A second combined experiment but in a different way. Eg. reverse the colours/techniques and work in the opposite way to previous experiment. *(AO2)*				
'Sample' experiments – eg. background experiments, texture experiments, different ways of painting, different ways of combining materials etc. *(AO2)*				
Photoshop experiments – quick experiments to link to your artists, showing that you have considered their colours, lay out, technique etc. whilst demonstrating another skill. *(AO1 & AO2)*				
Annotations of experiments – explain what you did, how each experiment links to artists, what worked well and what could be improved.				
Final experiments bringing ideas together, being careful not to be repetitive. You may wish to include a plan of your final piece here – a sketch or Photoshop piece with explanation. *(AO2 & AO4)*				
Final piece finished to the best of your ability. *(AO4)*				
Evaluation of your final piece. *(AO4)*				

There are four Assessment Objectives in OCR GCSE (9–1) in Art and Design. These are detailed in the table below. Learners are expected to demonstrate their ability to:

AO1 Develop ideas through investigations, demonstrating critical understanding of sources.

TOP GRADE WILL SHOW Ideas are developed with sophisticated reference to contextual sources, with evidence of perceptive investigation. Demonstrates excellent critical understanding of sources. 26–30

AO2 Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.

TOP GRADE WILL SHOW Sophisticated refinement with perceptive selection of media, materials, techniques and processes. Excellent evidence of the exploration of work as it develops. 26–30

AO3 Record ideas, observations and insights relevant to intentions as work progresses.

TOP GRADE WILL SHOW Excellent recording of ideas, observations and insights showing sophisticated links to intention. Excellent ability to reflect on work and progress. 26–30

AO4 Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.

TOP GRADE WILL SHOW A personal response with sophisticated realisation of intentions. Understanding of visual language, applying formal elements, is perceptive and sophisticated. 26–30

Biology - AQA

Topic B1	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Cell Structure and Transport				
The world of the microscope				
Animal and plant cells				
Eukaryotic and prokaryotic cells				
Specialisation in animal cells				
Specialisation in plant cells				
Diffusion				
Osmosis				
Osmosis in plants				
Active transport				
Exchanging materials				
Topic B2	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Cell division				
Cell division				
Growth and differentiation				
Stem cells				
Stem cell dilemmas				
Topic B3	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Organisation and the digestive system				
Tissues and organs				
The human digestive system				
The chemistry of food				
Catalysts and enzymes				
Factors affecting enzyme action				
How the digestive system works				
Making digestion efficient				
Topic B4	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Organising aniamals and plants				
The blood				
The blood vessels				
The heart				
Helping the heart				
Breathing and gas exchange				
Tissues and organs in plants				
Transport systems in plants				
Evaporation and transpiration				
Topic B5	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Communicable diseases				
Health and disease				
Pathogens and disease				
Growing bacteria in the lab				
Preventing bacterial growth				
Preventing infections				
Viral diseases				
Bacterial diseases				
Diseases caused by fungi and protists				
Human defence responses				
More about plant diseases				
Plant defence responses				

Topic B6	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Preventing and treating diseases				
Vaccination				
Antibiotics and painkillers				
Discovering drugs				
Developing drugs				
Making monoclonal antibodies				
Uses of monoclonal antibodies				

Topic B7	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Non-communicable diseases				
Non-communicable diseases				
Cancer				
Smoking and the risk of disease				
Diet, exercise and disease				
Alcohol and other carcinogens				

Topic B8	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Photosynthesis				
Photosynthesis				
The rate of photosynthesis				
How plants use glucose				
Making the most of photosynthesis				
Topic B9	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Respiration				
Aerobic respiration				
The response to exercise				
Anaerobic respiration				
Metabolism and the liver				
Topic B10	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The human nervous system				
Principles of homeostasis				
The structure and function of the nervous system				
Reflex actions				
The brain				
The eye				
Common problems of the eye				

Topic B11	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Hormonal coordination				
Principles of hormone control				
The control of blood glucose levels				
Treating diabetes				
The role of negative feedback				
Human reproduction				
Hormones and the menstrual cycle				
The artificial control of fertility				
Infertility treatments				

Plant hormones and responses				
Using plant hormones				

Topic B12	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Homeostasis in action				
Controlling body temperature				
Removing waste products				
The human kidney				
Dialysis - an artificial kidney				
Kidney transplants				

Topic B13	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Reproduction				
Types of reproduction				
Cell division in sexual reproduction				
The best of both worlds				
DNA and the genome				
DNA structure and protein synthesis				
Gene expression and mutation				
Inheritence in action				
More about genetics				
Inherited disorders				
Screening for genetic disorders				

Topic B14	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Variation and evolution				
Variation				
Evolution by natural selection				
Selective breeding				
Genetic engineering				
Cloning				
Adult cell cloning				
Ethics of genetic technologies				

Topic B15	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Genetics and evolution				
The history of genetics				
Theories of evolution				
Accepting Darwin's ideas				
Evolution and speciation				
Evidence for evolution				
Fossils and extinction				
More about extinction				
Antibiotic resistant bacteria				
Classification				
New systems of classification				

Topic B16	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Adaptations, interdependence and competition				
The importance of communities				
Organisms in their environment				
Distribution and abundance				
Competition in animals				
Competition in plants				
Adapt and survive				
Adaptation in animals				
Adaptation in plants				

Topic B17	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date

Organising an ecosystem				
Feeding relationships				
Materials cycling				
The carbon cycle				
Rates of decomposition				
Topic B18	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Biodiversity and ecosystems				
The human population explosion				
Land and water pollution				
Air pollution				
Deforestation and peat destruction				
Global warming				
The impact of change				
Maintaining biodiversity				
Trophic levels and biomass				
Biomass transfers				
Factors affecting food security				
Making food production efficient				
Sustainable food production				

Chemistry - AQA

Topic C1	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Atoms, bonding and moles				
Atoms				
Chemical equations				
Separating mixtures				
Fractional distilation and paper chromotography				
History of the atom				
Structure of the atom				
Ions, atoms and isotopes				
Electronnic structures				

Topic C2	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
The periodic table				
Development of the periodic table				
Electronic structures and the periodic table				
Group1 - the alkali metals				
Group 7 - the halogens				
Explaining trends				
The transition elements				
Topic C3	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Structure and bonding				
States of matter				
Atoms into ions				
Ionic bonding				
Giant ionic structures				
Covalent bonding				
Structure of simple molecules				
Giant covalent structures				
Fullerenes and graphene				
Bonding in metals				
Giant metallic structures				
Nanoparticles				
Applications of nanoparticles				
Topic C4	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chemical calculations				
Relative masses and moles				
Equations and calculations				
From masses to balanced equations				
The yeild of a chemical reaction				
Atom economy				
Expressing concentrations				
Titrations				
Titration calculations				
Volumes of gases				
Topic C5	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chemical changes				
The reactivity series				
Displacement reactions				
Extracting metals				
Salts from metals				

Salts from insoluble bases				
Making more salts				
Neautralisation and the pH scale				
Strong and weak acids				
Topic C6	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Electrolysis				
Introduction to electrolysis				
Changes at the electrodes				
The extraction of aluminium				
Electrolysis of aqueous solutions				
Topic C7	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Energy changes				
Exothermic and endothermic reactions				
using energy transfers from reactions				
Reaction profiles				
Bond energy calculations				
Chemical cells and batteries				
Fuel cells				

Topic C8	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Rates and equillibrium				
Rate of reaction				
Collision theory and surface area				
The effect of temperature				
The effect of concentration and pressure				
The effect of catalysts				
Reversible reactions				
Energy and reversible reactions				
Dynamic equillibrium				
Altering conditions				
Topic C9	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Crude oil and fuels				
Hydrocarbons				
Fractional distilation of oil				
Burning hydrocarbon fuels				
Cracking hydrocarbons				
Topic C10	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Organic reactions				
Reactions of the alkenes				
Structure of alcohols, carboxylic acids and esters				
Reactions and uses of alcohols				
Carboxylic acids and esters				
Topic C11	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Polymers				
addition polymerisation				
Condensation polymerisation				
Natural polymers				
DNA				
Topic C12	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chemical analysis				
Pure substances and mixtures				
Analysing chromatograms				
Testing for gases				

Tests for positive ions				
Tests for negative ions				
Instrumental analysis				
Topic C13	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The Earth's atmosphere				
History of our atmosphere				
Our evolving atmosphere				
Greenhouse gases				
Global climate change				
Atmospheric pollutants				
Topic C14	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The Earth's resources				
Finite and renewable resources				
Water safe to drink				
Treating waste water				
Extracting metals from ores				
Life cycle assessments				
Reduce, reuse and recycle				
Topic C15	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Using our resources				
Rusting				
Useful alloys				
The properties of polymers				
Glass, ceramics and composites				
Making amonia - the Haber process				
The economics of the Haber process				
Making fertilisers in the lab				
Making fertilisers in industry				

Computer Science (J277) - OCR

Unit 1 Computer Systems

1.1 System Architecture	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
The purpose of the CPU				
Von Neumann architecture: MAR, MDR, PC and Accumulator.				
Common CPU components and their function: ALU, Control Unit, Cache				
The function of the CPU as fetch and execute instructions stored in memory				
How common characteristics of CPUs affect their performance: Clock speed, Cache Size, Number of cores.				
Embedded systems				
1.2 Memory and storage	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
1.2.1 Primary storage				
The need for primary storage				
The difference between RAM and ROM				
The purpose of ROM in a computer system				
The purpose of RAM in a computer system				
The need for virtual memory				
1.2.2 Secondary storage				
The need for secondary storage				
Common types of storage - magnetic, optical, solid				
Suitable storage devices and storage media for a given application, and the advantages and disadvantages of these, using characteristics: Capacity, speed, portability, durability, reliability, cost.				
1.2.3 Units				
Units of storage				
How data needs to be converted into a binary format to be processed by a computer				
Data capacity and calculation of data capacity requirements				
1.2.4 Data storage - Numbers				
How to convert positive denary whole numbers (0–255) into 8 bit binary numbers and vice versa.				
How to add two 8 bit binary integers and explain overflow errors which may occur.				
Binary shifts.				
How to convert positive denary whole numbers (0–255) into 2 digit hexadecimal numbers and vice versa.				
How to convert from binary to hexadecimal equivalents and vice versa.				
Characters				
The use of binary codes to represent characters.				
The term ‘character-set’.				
The relationship between the number of bits per character in a character set and the number of characters which can be represented (for example ASCII, extended ASCII and Unicode).				
Images				
How an image is represented as a series of pixels represented in binary.				

Metadata included in the file.				
The effect of colour depth and resolution on the size of an image file.				
Sound				
How sound can be sampled and stored in digital form.				
How sampling intervals and other factors affect the size of a sound file and the quality of its playback: Sample size, bit rate, sampling frequency.				
1.2.5 Compression				
The need for compression.				
Types of compression: Lossy, lossless.				
1.3 Computer networks, connections and protocols	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
1.3.1 Networks and topologies				
Types of networks: LAN (Local Area Network), WAN (Wide Area Network)				
Factors that affect the performance of networks				
The different roles of computers in a client-server and a peer-to-peer network				
The hardware needed to connect stand-alone computers into a Local Area Network: wireless access points, routers/switches, NIC (Network Interface Controller/Card), transmission media.				
The internet as a worldwide collection of computer networks: DNS (Domain Name Server), hosting, the cloud.				
Star and mesh network topologies				
1.3.2 Wired and wireless networks, protocols and layers				
Modes of connection:Wired and wireless				
Encryption				
IP addressing and MAC addressing				
Standards				
Protocols including: TCP/IP, HTTP, HTTPS, FTP, POP, IMAP, SMTP.				
The concept of layers				
1.4 Network Security	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Forms of attack: Malware, social engineering - phishing, people as the 'weak point' in secure systems (social engineering), brute force attacks, denial of service attacks, data interception and theft, the concept of SQL injection.				
Identifying and preventing vulnerabilities: Penetration testing, anti-malware software, firewalls, user access levels, physical security, passwords and encryption				
1.5 Systems Software	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The purpose and functionality of systems software				
Operating systems: User interface, memory management/multitasking, peripheral management and drivers, user management and file management.				
Purpose and functionality of utility software				
Utility system software: Encryption software, defragmentation, data compression.				

1.6 Ethical, Legal, Cultural and Environmental Concerns	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
How to investigate and discuss Computer Science technologies while considering: Ethical issues, legal issues, cultural issues, environmental issues and privacy issues				
How key stakeholders are affected by technologies				
Environmental impact of Computer Science				
Cultural implications of Computer Science				
Software licensing - Open source vs proprietary software				
Legislation relevant to Computer Science: The Data Protection Act 1998, Computer Misuse Act 1990, Copyright Designs and Patents Act 1988, Creative Commons Licensing, Freedom of Information Act 2000.				

Unit 2 - Computational thinking, algorithms and programming

2.1 Algorithms	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Computational thinking: Abstraction, Decomposition, Algorithmic thinking				
How to produce algorithms using: Pseudocode, using flow diagrams and exam reference language/high level language				
Structure diagrams				
Trace tables				
Interpret, correct or complete algorithms.				
Standard searching algorithms: Binary search & Linear search				
Standard sorting algorithms: Bubble sort, merge sort, insertion sort				
2.2 Programming techniques	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The use of variables, constants, operators, inputs, outputs and assignments				
The use of the three basic programming constructs used to control the flow of a program: Sequence, selection and iteration (count and condition controlled loops).				
The common arithmetic operators				
The common Boolean operators.				
The use of data types: Integer, real, Boolean, character and string, casting.				
The use of basic string manipulation				
The use of basic file handling operations: Open, read, write and close.				
The use of records to store data				
The use of SQL to search for data				
The use of arrays (or equivalent) when solving problems, including both one and two dimensional arrays.				
How to use sub programs (functions and procedures) to produce structured code				
Random number generation				
2.3 Producing robust programs	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**

Defensive design considerations: Input sanitisation/validation, planning for contingencies, anticipating misuse, authentication.				
Maintainability: Comments, indentation.				
The purpose of testing				
Types of testing: Iterative, final/terminal.				
How to identify syntax and logic errors.				
Selecting and using suitable test data.				
Refining algorithms				
2.4 Boolean Logic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Why data is represented in computer systems in binary form.				
Simple logic diagrams using the operations AND, OR and NOT.				
Truth tables.				
Combining Boolean operators using AND, OR and NOT to two levels.				
Applying logical operators in appropriate truth tables to solve problems.				
2.5 Programming languages and IDEs	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Characteristics and purpose of different levels of programming language, including low level languages.				
The purpose of translators.				
The characteristics of an assembler, a compiler and an interpreter.				
Common tools and facilities available in an integrated development environment (IDE): Editors, error diagnostics, run-time environment and translators.				
Practical programming skills				
3.1 Programming techniques	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
How to identify and use variables, operators, inputs, outputs and assignments.				
How to understand and use the three basic programming constructs used to control the flow of a program: Sequence; Selection; Iteration.				
How to understand and use suitable loops including count and condition controlled loops.				
How to use different types of data, including Boolean, string, integer and real, appropriately in solutions to problems.				
How to understand and use basic string manipulation.				
How to understand and use basic file handling operations: Open, read, write, close.				
How to define and use arrays (or equivalent) as appropriate when solving problems.				
How to understand and use functions/sub programs to create structured code.				
3.2 Analysis	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**

How to analyse and identify the requirements for a solution to the problem.				
How to set clear objectives that show an awareness of the need for real world utility.				
How to use abstraction and decomposition to design the solution to a problem.				
How to identify the data requirements for their system.				
How to identify test procedures to be used during and after development to check their system against the success criteria.				
How to use validation to ensure a robust solution to a problem.				
3.3 Design	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
How to design suitable algorithms to represent the solution to a problem.				
How to design suitable input and output formats and navigation methods for their system.				
How to identify suitable variables and structures with appropriate validation for their system.				
How to use appropriate data types in their system.				
How to use functions/sub programmes to produce structured reusable code.				
How to select suitable techniques for the development of the solution.				
3.4 Development	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
How to develop a solution to the identified problem using a suitable programming language(s).				
How to demonstrate testing and refinement of the code during development.				
How to explain the solution using suitable annotation and evidence of development.				
How to use suitable techniques to solve all aspects of the problem.				
How to take a systematic approach to problem solving.				
How to deploy practical techniques in an efficient and logical manner.				
How to show an understanding of the relevant information by presenting evidence of the development of their solutions.				
How to show an understanding of the technical terminology/concepts that arise from their investigation through analysis of the data collected.				
How to use the terminology/concepts surrounding their topic and contained in the information collected correctly when it comes to producing analysis in the supporting script.				
3.5 Testing and evaluation and conclusions	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
How to produce a full report covering all aspects of the investigation.				
How to present the information in a clear form which is understandable by a third party and which is easily navigatable.				

How to critically appraise the evidence that they have presented.				
How to test their own solution.				
How to present their evaluation in a relevant, clear, organised, structured and coherent format.				
How to use specialist terms correctly and appropriately.				
How to present a conclusion to the report.				
How to justify their conclusions based on the evidence provided.				

English - AQA

Language - Paper One (Unseen Fiction)	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Reading Section:				
Question One is simple information retrieval				
Question Two requires detailed language analysis				
Question Three requires a focus on structure and effect at a whole-text/extract level				
Question Four requires evidence in support of the statement given (eg the atmosphere becomes more dark and dangerous) and a consideration of the METHODS used by the author to create effect				
Revision Ideas: Practise annotating quotations and writing paragraphs for language analysis.				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Writing Section:				
Question Five requires you to choose between a picture and a statement task to produce a piece of creative writing. Each task might be a description or a story.				
Revision Ideas: Practise using sensory description, personification and imaginative structure to produce creative pieces. Revise grasp of sentence structures and punctuation so that these can be used accurately and for effect.				
Language - Paper Two (Non-fiction texts)	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Reading Section:				
Question One is true/false answers to test basic comprehension				
Question Two requires comparison at a basic level (usually finding and explaining difference)				
Question Three requires detailed language analysis				
Revision Ideas - use newspaper opinion pieces and letters/diaries/travel writing: Practise annotating quotations and writing paragraphs for language analysis. Practise highlighting quotations which show the author's view of the subject, and explaining how their use of methods shows their attitude				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Writing Section:				
Question Five requires you to write an argument piece in response to a statement				
Revision Ideas: Practise using different devices (exaggeration/contrast/humour etc) to present your opinion in an interesting way. Revise grasp of sentence structures and punctuation so that these can be used accurately and for effect.				
English Literature	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Paper One (Shakespeare and *Jekyll and Hyde*)				
Each question will have an extract and will ask for a response to a debate/theme question (eg 'How far do you agree that Lady Macbeth is presented as a powerful woman?)				

Responses must focus on the question and contain reference to the extract and the play as a whole. They must consider METHOD eg how has the reader/audience's response been shaped by the author's choice of metaphor etc				
Revision Ideas: Re-read the texts and notes made. Revise key themes/ideas in the texts and practise grouping notes Learn quotations for key themes/ideas/characters/structure points Revise key speeches/passages in the texts Revise key contexts and practise using these to explain language etc points Revise literary terminology and practise writing analytical paragraphs Practise planning in response to questions				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Paper Two (Inspector Calls, Anthology Poetry, Unseen Poetry) All questions will be on how a key character/theme is presented in the text. The anthology poetry and the second unseen question require comparison.				
Revision Ideas: As for Paper One plus: Revise key points on structure for poetry - try to learn a quotation for the ending Revise the 'message' of each poem Practise comparison - use subject terms to explore how similar/different the authors' exploration of a given theme is.				

DT - AQA 8552

Core Technical Principles (20 marks)	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
New and emerging technologies				
Industry				
Enterprise				
Sustainability				
People				
Culture				
Society				
Environment				
Production techniques and systems				
Informing design decisions				
Energy generation and storage				
Fossil fuels				
Nuclear power				
Renewable energy				
Energy storage systems including batteries				
Developments in new materials				
Modern materials				
Smart materials				
Composite materials				
Technical textiles				
Systems approach to designing				
Inputs				
Processes				
Outputs				
Mechanical devices				
Different types of movement				
Changing magnitude and direction of force				
Materials and their working properties				
Papers and boards				
Natural and manufactured timbers				
Metals and alloys				
Polymers				
Textiles				
Materials properties				
Specialist technical principles (30 marks)	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
All of the below must be fully understood in relation to one material catergory (e.g. timbers,				
Selection of materials or components				
Forces and stresses				
Ecological and social footprint				
Sources and origins				
Using and working with materials				
Stock forms, types and sizes				
Scales of production				
Specialist techniques and processes				
Surface treatments and finishes				
Designing and making principles (50 marks)	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Investigation, primary and secondary data				

Market research, interviews and human factors				
Focus groups, product analysis and evaluation				
The use of anthropometric data and percentiles				
Writing a design brief (considering needs and wants)				
Alterations made to a design brief				
Environmental, social and economic challenge				
Deforestation				
Increase in CO2 levels				
The need for fair trade				
The work of others				
Analyse and evaluate the work of at least two of:				
Harry Beck				
Marcel Bruer				
Coco Chanel				
Norman Foster				
Sir Alec Issigonis				
William Morris				
Alexander McQueen				
Mary Quant				
Louis Comfort Tiffany				
Raymond Templer				
Gerrit Reitveld				
Charles Rennie Macintosh				
Aldo Rossi				
Ettore Sottsass				
Philippe Starck				
Vivienne Westwood				
Analyse and evaluate the work of at least two of:				
Alessi				
Apple				
Braun				
Dyson				
Gap				
Primark				
Under Armour				
Zara				
Design strategies				
Collaboration				
User centered design				
A systems approach				
Iterative design				
Avoiding design fixation				
Sketching				
Modelling				
Testing				
Evaluation				
Communication of design ideas				
Use of appropriate techniques to convey design ideas				
Prototype development				
Prototype development in line with wants and needs				
Selection of materials and components				
Tolerances				
Material management				

Specialist tools and equipment				
Specialist techniques and processes				

Food - AQA 8585

Practical skills	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
1: General practical skills				
2: Knife skills				
3: Preparing fruit and vegetables				
4: Use of the cooker				
5: Use of equipment				
6: Cooking methods				
7: Prepare, combine and shape				
8: Sauce making				
9: Tenderise and marinate				
10: Dough				
11: Raising agents				
12: Setting mixtures				

Food, nutrition and health	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Macronutrients				
Protein				
Fats				
Carbohydrates				

Micronutrients				
Vitamins				
Minerals				
Water				

Nutritional needs and health				
Making informed choices for a varied and balanced diet				
Energy needs				
How to carry out nutritional analysis				
Diet, nutrition and health				

Food science	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Cooking of food and heat transfer				
Why food is cooked and how heat is transferred to food				
Selecting appropriate cooking methods				

Functional and chemical properties of food				
Proteins				
Carbohydrates				
Fats and oils				
Fruit and vegetables				
Raising agents				

Food safety	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Food spoilage and contamination				
Microorganisms and enzymes				
The signs of food spoilage				
Microorganisms in food production				
Bacterial contamination				

Principles of food safety				
Buying and storing food				

Preparing, cooking and serving food				

Food choice	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Factors affecting food choice				
Factors which influence food choice				
Food choices				
Food labelling and marking influences				
British and international cuisines				
Sensory evaluation				

Food provenance	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Environmental impact and sustainability of food				
Food sources				
Food and the environment				
Sustainability of food				
Food processing and production				
Food production				
Technological developments associated with better health and food production				

French - EDEXCEL

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Module 1 - Tu as du temps à perdre - Exploring events in the francophone world				
Aimer + noun				
Aimer + infinitive				
The present tense of regular -er				
The present tense of irregular verbs				
Forming and answering questions				
Reparing a role				
The near future tense				
The perfect tense				
Questions in the perfect tense				
Using present and perfect tense together				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Module 2 Mon clan, ma tribu - Talking about your identity				
Emphatic pronouns				
Reflexive verbs in the present tense				
Extending sentences with sequencers and				
Adjective agreement				
Translating into French				
The position of adjectives				
Describing a photo				
Direct object pronouns				
The present, perfect and near future tenses				
Adverbs				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Module 3 - Ma vie scolaire - Learning about school life in francophone countries				
Describing photos				
Comparative adjectives				
Opinions with reasons				
Impersonal verb structures followed by infinitives				
Opinions, agreeing and disagreeing				
Irregular verbs in the perfect tense				
Verbs in the imperfect tense				
The imperfect, present and near future tenses				
A wider range of negatives				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Module 4 - En pleine forme - Wellbeing				
the partitive article (du, de la, de l', des) and en				
modal verbs (devoir, vouloir, pouvoir)				
the perfect tense of reflexive verbs				
the simple future tense				
more complex sentence structures				
the imperfect, present and simple future				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Module 5 – Numéro vacances - Talking about holidays and accommodation				
Je voudrais and j'aimerais				

The conditional				
Extending spoken and written responses				
Different types of questions				
Advice with il vaut la peine de and il vaut mieux				
The perfect and imperfect tenses together				
More complex sentences using relative pronouns				
The perfect tense of modal verbs				
A range of tenses				
Si + the present tense + the simple future tense				
Topic	**Pre revision self**	**First 'visit'**	**Second 'visit'**	**Exam date**
Module 6 Notre planète - Environment				
Numbers and percentages				
Comparatives and superlatives				
The present tense of the passive voice				
The nous-form imperative				
En + the present participle				
Être en train de and venir de				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Module 7 mon petit monde à moi – The world around me				
Demonstrative adjectives (ce, cet, cette, ces)				
The pronoun y				
Phrases with depuis				
À and de with the definite article				
De to indicate possession				
Si clauses				
Questions in different tenses				
Spotting different tenses from verb endings				

German - EDEXCEL

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Kapitel 1 Zurück zur Schule - the school system in Great Britain and in the German-speaking world				
Articles and plural nouns				
To give and justify (weil, opinion phrases with dass)				
Adjectives with nouns				
Describing a photo				
Modal verbs: müssen, dürfen,				
The present tense				
The perfect and imperfect				

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Kapitel 2 Endlich mal Freizeit - Talking about your free time				
Expressing preferences				
Frequency phrases with correct word				
Separable verbs in the present tense				
Expressing advantages and				
Asking questions				
Practising the role-play				
The imperfect and perfect				
The future tense				
The 'time - manner - place' rule				
Sequencers				

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Kapitel 3 Meine Welt, deine Welt - Describing festivals and cultural events in the German speaking				
Giving opinions and justifications				
Possessive adjectives				
Relative pronouns and possessive adjectives in the dative				
Using past and present together				
Feminine nouns				
Word order				
Time phrases				
Using past and future together				
In + accusative or dative				

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Kapitel 4 Bleib gesund - Healthy lifestyle in the German-speaking world				
Comparative and superlative adjectives and adverbs				
Um … zu				
Practising the role-play				
Modal verbs in the imperfect tense				
Seit				
Revising present, past and future tenses				
Infinitive constructions with zu				
Wenn				
Set phrases with zu				
Asking questions in different tenses				

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Kapitel 5 Meine Ecke - Learning key facts about German-speaking countries				
The superlative				
Prepositions followed by the dative				

Intensifiers and qualifiers				
Prepositions with the accusative				
Word order with modal verbs and weil				
Understanding register				
Practising role-plays				
Dual-case prepositions followed by the dative				
Plurals of nouns				
The imperfect tense				
The conditional				
Dual-case prepositions with the accusative				
Topic	**Pre revision self**	**First 'visit'**	**Second 'visit'**	**Exam date**
Kapitel 6 Schöne Ferien - Learning about German-speaking travel destinations				
The imperative				
Forming questions (wer, wen and wem)				
Advantages and disadvantages				
Negatives				
Possessive adjectives				
Prepositions with the genitive				
Interrogative and demonstrative adjectives				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Kapitel 7 Unsere Welt - Learning more about activism in German-speaking countries				
More prepositions with the genitive				
Verbs followed by prepositions				
Questions which include prepositions				
Compound nouns				
Phrases of argument and				
Wollen (to want to)				
Three different time frames in speaking				
The conditional of sollen				
Man to avoid the passive				
Complex opinions and points of view				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Kapitel 8 Wie sieht die Zukunft aus - Future plans				
Verbs and constructions with zu				
Reflexive verbs				
The conditional and imperfect subjunctive				
Werden in different tenses				
Subordinating conjunctions				
Extending your written work				
Adjectives as nouns				
Dealing with unfamiliar vocabulary				

Geography - OCR B

Topic: How can weather be hazardous?	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Outline of the global circulation system including the effects of high and low pressure belts in creating climatic zones.				
How the global circulation of the atmosphere causes extremes in weather conditions in different parts of the world.				
The extremes in weather conditions associated with wind, temperature and precipitation in contrasting countries.				
The distribution and frequency of tropical storms and drought, and whether these have changed over time.				
Outline the causes of the extreme weather conditions associated with tropical storms				
Outline the causes of the extreme weather conditions of El Niño/La Niña leading to drought.				
Case studies of two contrasting natural weather hazard events arising from extreme weather conditions.				
For each chosen hazard event, study the place specific causes (including the extreme weather conditions which led to the event), consequences of and responses to the hazard.				
Topic: How do plate tectonics shape our world?	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The structure of the Earth and how it is linked to the processes of plate tectonics including convection currents				
The processes that take place at constructive, destructive, conservative and collision plate boundaries as well as hotspots				
How the movement of tectonic plates causes earthquakes, including shallow and deep focus, and volcanoes, including shield and composite.				
A case study of a tectonic event that has been hazardous for people, including specific causes, consequences of and responses to the event.				
How technological developments can have a positive impact on mitigation (such as building design, prediction, early warning systems) in areas prone to a tectonic hazard				
Topic: Changing Climate	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The pattern of climate change from the beginning of the Quaternary period to the present day.				
The range and reliability of evidence relating to climate change including evidence from sea ice positions, ice cores, global temperature data, paintings and diaries.				
Outline the causes of natural climate change including the theories of sun spots, volcanic eruptions and Milankovitch cycles.				
Investigate the natural greenhouse effect and the impacts that humans have on the atmosphere, including the enhanced greenhouse effect.				

Explore a range of social, economic and environmental impacts of climate change worldwide such as those resulting from sea level rise and extreme weather events.				
Explore a range of social, economic and environmental impacts of climate change within the UK				
Topic: Distinctive Landscapes	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The geomorphic processes that are involved in shaping landscapes, including weathering (mechanical, chemical, biological), mass movement (sliding, slumping), erosion (abrasion, hydraulic action, attrition, solution), transport (traction, saltation, suspension, solution), deposition				
The formation of coastal landforms including headlands, bays , cave, arch, stack, beach and spit.				
The formation of river landforms including waterfall, gorge, v-shaped valley, floodplain, levee, meander, ox-bow lake.				
Case study of two landscapes in the UK, one coastal landscape and one river basin, to include the study of: its landforms created by geomorphic processes the geomorphic processes operating at different scales and how they are influenced by geology and climate how human activity, including management, works in combination with geomorphic processes to impact the landscape.				
Topic: Why are natural ecosystems important?	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Understand the concept of an ecosystem as being the interdependence of climate, soil, water, plants and animals.				
Outline the global distribution of polar regions, coral reefs, grasslands, temperate forests, tropical forests and hot deserts.				
Overview of the climate, flora and fauna within these ecosystems.				
The distinctive characteristics of a tropical rainforest ecosystem, including the climate, nutrient cycle, soil profile and water cycle.				
The interdependence of climate, soil, water, plants, animals and human activity in tropical rainforests.				
Explore the value of tropical rainforests through the study of their goods and services.				
Human impacts in the tropical rainforest from activities such as logging, mineral extraction, agriculture and tourism.				
A case study to illustrate attempts to sustainably manage an area of tropical rainforest,				
Outline the distinctive characteristics of Antarctica and the Arctic, including climate, features of the land and sea, flora and fauna.				
The interdependence of climate, soil, water, plants, animals and human activity in either the Antarctic or the Arctic polar region.				
Explore a range of impacts of human activity on either the Antarctic or the Arctic ecosystems, such as scientific research, indigenous people, tourism, fishing, whaling and mineral exploitation				

• A case study to examine one small-scale example of sustainable management				
A case study to examine one global example of sustainable management in Antarctica or the Arctic				
Topic: Urban Futures	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
How urban growth rates vary in parts of the world with contrasting levels of development				
Outline characteristics of world cities and megacities and their changing distribution since 1950.				
Understand the causes of rapid urbanisation in LIDCs, including the push and pull factors of rural-urban migration and internal growth.				
Investigate the consequences of rapid urban growth in LIDCs.				
Understand the causes and consequences of contrasting urban trends in ACs, including suburbanisation, counter-urbanisation and re-urbanisation.				
What are the challenges and opportunities for cities today?				
Location of Birmingham and Istanbul				
How does Migration change a city?				
Culture, ethnicity, housing, leisure				
challenges that affect life in Birmingham				
challenges that affect life in Istanbul				
How are cities sustainable?				
Topic: Dynamic Development	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Definition of 'development' and the ways in which countries can be classified, such as AC, EDC and LIDC.				
Global distribution of ACs, EDCs and LIDCs.				
Economic and social measures of development, such as GNI per capita and Human Development Index, and how they illustrate the consequences of uneven development.				
Outline the human and physical factors influencing global uneven development.				
Explore the factors that make it hard for countries to break out of poverty, including debt, trade and political unrest.				
Overview of the economic development of an LIDC, including influences of population, society, technology and politics, particularly in the past 50 years, or post-independence.				
Explore whether Rostow's model can help determine the country's path of economic development.				
The extent to which the relevant Millennium Development Goals have been achieved for this LIDC.				
Investigate how the LIDC's wider political, social and environmental context has affected its development.				
The country's international trade, such as potential reliance on a single, or few, commodities and how this influences development.				
The benefits and problems of trade and Trans National Company (TNC) investment for development				

Compare the advantages and disadvantages of one top-down and one bottom-up strategy in the country.				
The advantages and disadvantages of international aid or debt relief for its development.				
Topic: UK in the 21st Century	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Overview of human and physical geographical characteristics of the UK, including population density, land use, rainfall and relief, and significant issues associated with these characteristics, including water stress and housing shortages.				
Overview of population trends in the UK since 2001, using population pyramids and migration statistics, to determine its position on the Demographic Transition Model.				
An understanding of the causes, effects, spatial distribution and responses to an ageing population.				
A summary of the how the population structure and ethnic diversity of a named place of the UK has changed since 2001.				
Identify major economic changes in the UK since 2001 by examining changes in the job market including political priorities, changing employment sectors and working hours.				
Investigate the pattern of core UK economic hubs.				
Identify the changes in one economic hub and its significance to its region and the UK.				
Examine the UK's political role in one global conflict through its participation in international organisations.				
Explore the UK's media exports and their global influence including television programmes and film				
The contribution of ethnic groups to the cultural life of the UK through one of food, media or fashion.				
Topic: Resource Reliance	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Outline the factors leading to demand outstripping supply of food, energy and water.				
Overview of how environments and ecosystems are used and modified by humans including: mechanisation of farming and commercial fishing to provide food deforestation and mining to provide energy reservoirs and water transfer schemes to provide water.				
Understand the term 'food security' and the human and physical factors which influence this.				
How world patterns of access to food are illustrated, such as the world hunger index and average daily calorie consumption.				
Investigate the differences between Malthusian and Boserupian theories about the relationship between population and food supply.				
Case study of attempts to achieve food security in one country to include:				
Investigation of statistics relating to food consumption and availability over time.				

The success of one attempt in helping achieve food security at a local scale such as food banks, urban gardens and allotments.				
The effectiveness of one past and one present attempt to achieve food security at a national scale such as global food trade, GM crops, 'The Green Revolution' and food production methods.				
Explore the environmental, economic and social sustainability of attempts to achieve food security, in relation to:				
ethical consumerism, such as fairly traded goods and food waste • food production, such as organic methods and intensive farming • technological developments, such as GM crops and hydroponics • small scale 'bottom up' approaches, such as urban gardens and permaculture.				

History - AQA

Unit 1 Section A	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Germany, 1890–1945: Democracy and dictatorship				
Kaiser Wilhelm and the difficulties of ruling Germany: the growth of parliamentary government; the influence of Prussian militarism; industrialisation; social reform and the growth of socialism; the domestic importance of the Navy Laws.				
Impact of the First World War: war weariness, economic problems; defeat; the end of the monarchy; post-war problems including reparations,the occupation of the Ruhr and hyperinflation.				
Weimar democracy: political change and unrest, 1919–1923, includingSpartacists, Kapp Putsch and the Munich Putsch; the extent of recovery during the Stresemann era (1924–1929): economic developments including the new currency, Dawes Plan and the Young Plan; the impact of international agreements on recovery; Weimar culture.				
The impact of the Depression: growth in support for the Nazis and other extremist parties (1928–1932), including the role of the SA; Hitler's appeal.				
The failure of Weimar democracy: election results; the role of Papen andHindenburg and Hitler's appointment as Chancellor.				
The establishment of Hitler's dictatorship: the Reichstag Fire; the Enabling Act; elimination of political opposition; trade unions; Rohm andthe Night of the Long Knives; Hitler becomes Führer.				
Economic changes: benefits and drawbacks; employment; public works programmes; rearmament; self-sufficiency; the impact of war on the economy and the German people, including bombing, rationing, labour shortages, refugees.				
Social policy and practice: reasons for policies, practices and their impact on women, young people and youth groups; education; control of churches and religion; Aryan ideas, racial policy and persecution; the Final Solution.				
Control: Goebbels, the use of propaganda and censorship; Nazi culture; repression and the police state and the roles of Himmler, the SS and Gestapo; opposition and resistance, including White Rose group, Swing Youth, Edelweiss Pirates and July 1944 bomb plot.				
Unit 1 Section B	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Conflict and tension, 1918–1939				
The armistice: aims of the peacemakers; Wilson and the Fourteen Points; Clemenceau and Lloyd George; the extent to which they achieved their aims.				
The Versailles Settlement: Diktat; territorial changes; military restrictions; war guilt and reparations.				
Impact of the treaty and wider settlement: reactions of the Allies; Germanobjections; strengths and weaknesses of the settlement, including the problems faced by new states.				
The League of Nations: its formation and convenant; organisation; membership and how it changed; the powers of the League; the work of the League's agencies; the contribution of the League to peace in the 1920s, including the successes and failures of the League, such as the Aaland Islands, Upper Silesia, Vilna, Corfu and Bulgaria.				
Diplomacy outside the League: Locarno treaties and the Kellogg-Briand Pact.				

The collapse of the League: the effects of the Depression; the Manchurian and Abyssinian crises and their consequences; the failure of the League to avert war in 1939.				
The development of tension: Hitler's aims and Allied reactions; the Dollfuss Affair; the Saar; German rearmament, including conscription; the Stresa Front; Anglo-German Naval Agreement.				
Escalation of tension: remilitarisation of the Rhineland; Mussolini, the Axis and the Anti-Comintern Pact; Anschluss; reasons for and against the policy of appeasement; the Sudeten Crisis and Munich; the ending of appeasement.				
The outbreak of war: the occupation of Czechoslovakia; the role of the USSR and the Nazi-Soviet Pact; the invasion of Poland and outbreak of war, September 1939; responsibility for the outbreak of war, including that of key individuals: Hitler, Stalin and Chamberlain.				
Unit 2 Section A	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Britain: Health and the people: c1000 to the present day				
Medieval medicine: approaches including natural, supernatural, ideas of Hippocratic and Galenic methods and treatments; the medieval doctor; training, beliefs about cause of illness.				
Medical progress: the contribution of Christianity to medical progress and treatment; hospitals; the nature and importance of Islamic medicine and surgery; surgery in medieval times, ideas and techniques.				
Public health in the Middle Ages: towns and monasteries; the Black Death in Britain, beliefs about its causes, treatment and prevention.				
The impact of the Renaissance on Britain: challenge to medical authority in anatomy, physiology and surgery; the work of Vesalius, Paré, William Harvey; opposition to change.				
Dealing with disease: traditional and new methods of treatments; quackery; methods of treating disease; plague; the growth of hospitals; changes to the training and status of surgeons and physicians; the work of John Hunter.				
Prevention of disease: inoculation; Edward Jenner, vaccination and opposition to change.				
The development of Germ Theory and its impact on the treatment of disease in Britain: the importance of Pasteur, Robert Koch and microbe hunting; Pasteur and vaccination; Paul Ehrlich and magic bullets; everyday medical treatments and remedies.				
A revolution in surgery: anaesthetics, including Simpson and chloroform; antiseptics, including Lister and carbolic acid; surgical procedures; aseptic surgery.				
Improvements in public health: public health problems in industrial Britain; cholera epidemics; the role of public health reformers; local and national government involvement in public health improvement, including the 1848 and 1875 Public Health Acts.				
Modern treatment of disease: the development of the pharmaceutical industry; penicillin, its discovery by Fleming, its development; new diseases and treatments, antibiotic resistance; alternative treatments.				
The impact of war and technology on surgery: plastic surgery; blood transfusions; X-rays; transplant surgery; modern surgical methods, including lasers, radiation therapy and keyhole surgery.				
Modern public health: the importance of Booth, Rowntree, and the Boer War; the Liberal social reforms; the impact of two world wars on public health, poverty and housing; the Beveridge Report and the Welfare State; creation and development of the National Health Service; costs, choices and the issues of healthcare in the 21st century.				

Unit 2 Section B	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Norman England, c1066–c1100				
Causes of Norman Conquest, including the death of Edward the Confessor, the claimants and claims.				
Military aspects: Battle of Stamford Bridge; Battle of Hastings; Anglo-Saxon and Norman tactics; military innovations, including cavalry and castles.				
Establishing and maintaining control: the Harrying of the North; revolts, 1067–1075; King William's leadership and government; William II and his inheritance.				
Feudalism and government: roles, rights, and responsibilities; landholding and lordship; land distribution; patronage; Anglo-Saxon and Normangovernment systems; the Anglo-Saxon and Norman aristocracies and societies; military service; justice and the legal system such as ordeals, 'murdrum'; inheritance; the Domesday Book.				
Economic and social changes and their consequences: Anglo-Saxon and Norman life, including towns, villages, it's buildings, work, food, roles and seasonal life; Forest law.				
The Church: the Anglo-Saxon Church before 1066; Archbishop Lanfranc and reform of the English Church, including the building of churches and cathedrals; Church organisation and courts; Church-state relations; William II and the Church; the wealth of the Church; relations with the Papacy; the Investiture Controversy.				
Monasticism: the Norman reforms, including the building of abbeys and monasteries; monastic life; learning; schools and education; Latin usage and the vernacular.				

Mathematics - EDEXCEL

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Number				
Fractions - adding, subtracting, mulitplying. dividing, mixed numbers				
Best buys				
Currency conversions				
Conversion graphs				
Factors, Multiples, Prime factorisation, HCF, LCM				
Laws of Indices				
Fractional and Negative indices				
Standard form				
Percentages of amounts				
Percentage change				
Compound interest				
Reverse percentages				
Recurring decimals to fractions				
Ratio				
Direct proportion				
Inverse proportion				
Limits of accuracy				
Error intervals				
Surds - simplifying, rationalising the denominator				
Product rule for counting				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Algebra				
Collecting like terms				
Expanding brackets - one, two, three				
Factorising				
Factorising quadratics				
Algebraic fractions - adding, subracting, simplifying				
Linear sequences				
Quadratic sequences				
Geometric sequences				
Special sequences - fibonnaci				
Solving equations				
Changing the subject				
Solving inequalities				
Graphical inequalities				
Quadratic inequalities				
Linear graphs - y=mx+c, midpoints, length of a line				
Parallel and perpendicular lines				
Simultaneous equations				
Equation of a circle				
Tangents to circles				
Instantaneous rates of change				
Area under a curve				
Composite functions				
Inverse functions				
Quadratic graphs				
Cubic graphs				
Trigonometric graphs				
Reciprocal graphs				
Exponential graphs				
ALgebraic proof				
The quadratic formula				
Completing the square				
Transformations of graphs				

Iteration				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Shape				
Angle facts				
Angles in parallel lines				
Bearings				
Angles in polygons				
Constructions				
Loci				
Area and circumference of a circle				
Arc length				
Area of a sector				
Volumes and surface areas of prisms				
Volume and surface area of a cylinder				
Cones, pyramids and spheres				
Pythagoras				
Trigonometry SOHCAHTOA				
Exact trigonometric values				
Sine Rule				
Cosine Rule				
Area of a triangle				
Vectors				
Travel graphs				
Speed, distance, time				
Density				
Pressure				
Geometric proof				
Congruence				
Similar lengths, areas, volumes				
Invariant points				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Data				
Frequency trees				
Two way tables				
Pie charts				
Scatter graphs				
Histograms				
Frequency polygons				
Reading stem and leaf diagrams				
Cumulative frequency graphs				
Boxplots				
Averages and spread				
Mean from a frequency table				
Interpolation				
Tree diagrams				
Conditional probability				
Capture recature				
Venn diagrams				
Combinations and permutations				

Mandarin - AQA

Book used- GCSE Chinese Writing revision Guide

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Chapter 1- My life and my friends				
Revise work from last year including all voacb from this topic and learn all				
speaking booklet answers. Pay special attention to correct use of present, perfect				
and future when describing family and friends.				
Vocab pages 17, 26, 35, 45				
Page 10 & 11 Task 1.4, 1.5, 1.6				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chapter 2 - Where I live				
Revise all vocab on subject of my house/ places in town/ where I live / decribing places/ give opinions				
Learn all answers to speaking booklet questions.				
Revise the following grammar, past and future tense, comparative / superlative and use of				
在 for present continous tense.				
Vocab pages 55, 71, 79				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chapter 3 - Travel and holidays				
Revise holiday destinations, transport, weather.				
Learn all vocab pages 90				
Revise following grammar : expressing means of transport page 83 task 1.2, the use of 离, page 84				
Tasks 1.3, 1.4 page 84				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chapter 4 - School				
Reivise talking / writing about school subjects, school day.				
Learn answeres to speaking booklet questions.				
Vocab pages 125, 133, 151				
Tasks page 126 1.1, 127 1.2, writing task page 149				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Chapter 6 - Technology				
Revise keywords for types of media, socia media, mobile technology				
Revise all vocab pages 190				
Learn answers to speaking booket questions.				
Revise talking about using socia media				
Grammar revision : past present, future, describing duration of time p184, task 1.4				

Music - EDUQAS

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
AoS1 - Musical Forms and Devices (Listening & Appraising 40%)				
Set Work – Badinerie, from Orchestral Suite no. 2 by J.S. Bach				
Name the notes in the treble, bass and alto clefs				
Major keys that have up to four sharps and four flats				
Minor keys that have up to four sharps and four flats				
Cadences and the difference between a 'perfect' and imperfect' cadence				
Features of Baroque music				
Features of Classical music				
Features of Romantic music				
Musical forms – Binary, Ternary, Minuet and Trio, Rondo, Variation, Strophic				
Musical Devices – repetition, contrast, anacrusis, imitation, sequence, ostinato, syncopation, dotted rhythms, drone, pedal note, canon, conjunct and disjunct movement, broken chords, Alberti bass, regular phrasing, motifs, modulation.				
Tonality – Major, Minor, Pentatonic, Chromatic				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
AoS2 - Music for Ensemble (Listening & Appraising 40%)				
Different types of texture – Monophonic, Homophonic and Polyphonic				
Different types of Ensembles				
Understand the terms Sonority and Timbre				
Basso Continuo				
Rhythm Section				
Vocal Ensembles				
String Quartet				
Jazz and Blues Combos				
Main features of Musical Theatre				
Different types of ensembles in Musical Theatre				
Understand colla voce, recitative, declamatory writing				
Main rhythmic features of Jazz music – syncopation, swung quavers				
Recognise a Blues scale, Riffs, Comping and Arpeggios				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
AoS3 - Film Music (Listening & Appraising 40%)				
Understand how musical elements including melody, pitch, dynamics, tempo, instrumentation, timbre, Sonority, harmony, texture and contrast are used by composers to create different moods and effects				
Understand how a composer can create suspense				

Common musical devices used – dotted rhythms, cross-rhythms, syncopation				
Evaluate the impact of diatonic and chromatic harmonies				
Evaluate why music is important				
Understand the difference between conjunct and disjunct				
How motifs are used				
Compound and simple time signatures				
Understand the use of sonority, technology and harmony in horror music.				
Recognise minimalistic techniques				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
AoS4 - Popular Music (Listening & Appraising 40%)				
Set work- Africa by Toto				
Understand how instrumental and synthesised sound is used				
Vocal sounds – scat, melismatic, syllabic, oooh, lead and backing vocals				
Recognise computer generated sound and amplified sound				
Understand how software and samplers are utilised				
Song structures – 32 bar song form, strophic, 12 bar blues,				
Recognise features such as verse, chorus, riffs, middle 8, bridge, fill, instrumental break, intros, outros and improvisation				
Identify samples, loops, panning and phasing				
Identify rhythmic features – syncopation, driving				
Identify primary and secondary chords and cadences				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Composition 30%				
Two compositions, 3-6 minutes in total				
One free composition				
One composed to a set brief				
There are regular opportunities to compose out of lesson time offered both at lunchtime and after school.				

Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Performance 30%				
Two or more performances, minimum of 4 minutes in total				
At least one solo performance				
At least one ensemble performance				
Regular practice will ensure a good mark for this component of the coursework				
There are opportunities throughout the course to perform solos in the Key Stage 4 Recital Evening's				

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PE - AQA 8582

Paper One	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Applied Anatomy and Physiology				
Bones				
Structure of the skeleton				
Functions of the skeleton				
Muscles of the body				
Structure of a Synovial joint				
Types of freely movable joints that allow different movements				
How joints differ in design to allow certain types of movement at a joint				
How the major muscles and muscle groups work as antagonisitic pairs				
Structure and function of the cardio-respiratory system				
Pathway of air				
Gaseous exchange				
Blood vessels				
Structure of the heart				
Cardiac cycle and pathway of blood				
Cardiac output, stroke volume and heart rate				
Mechanics of breathing				
interpretation of a spirometerter				
Short term and long term effects of exercise				
Immediate effects of exercise				
Short term effects of exercise				
Long term effects of exercise				
Movement analysis - levers				
3 classes of leavers with practical examples				
Mechanical advantage of each of the 3 levers				
Analysis of sporting movements and examples				
Movement analysis - planes and axes				
Identification of the 3 planes of movement and the 3 axes of movement				
Practical examples of the planes and axes of movment				
Physical training				
Health and fitness and the relationship between them				
Components of fitness				
Linking sport and physical activity to the component sof fitness				
Reasons for and against fitness testing				
Measuring componets of fitness				
Demonstrating how to collect data for fitness testing				
Principles of training and application to exercise and training programmes				
Principles of training and overload				
Application fo the principles of training				
Types of training				
Identification of advantages and disadvantages of training types linked to specific aims				

How to optimise training and prevent injury				
Calculating intensities to optimise training				
Considerations to prevent injury				
Specific training techniques				
Seasonal aspects				
Warm up and cooling down				
Data				
Quantitiative Data				
Methods of collecting quantiative data				
Qualitive data				
Methods of collecting qualitative data				
Presenting data				
Analysis and evaluation of data				
Paper Two	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Psychology				
Classification of skills				
skill and ability				
Classification of skills				
Definitions of types of goals				
Goal settiing				
Use and evaluation of setting performance and outcome goals				
The use of SMART targets to optimise performance				
Basic information processing models				
Guidance and feedback				
identify exampls of and evaluate the effectiveness of type sof guidance				
Identify examples and evaluate the effectiveness of feedback				
Mental prepreration for sport				
Arousal				
Inverted U theory				
How optimal arousal levels vary according to the skill being performed				
How arousal can be controlled using stressmanagement techniques				
Understand the difference between direct and indirect aggression				
understand the characterisitics of intorvert and extrovert				
intrinsic and extrinsic motivation				
Socio cultural influences				
Engagement patterns of different social groups				
Factors effecting participation				
Commercialisation of sport - sponsorship and media				
Types of sponsorship and media				
Impact of sponsorship and media				
Impact of technology				
Ethical and social issies in sport				
Conduct of performers				
Prohibbited substances				
Prohibited methods(blood doping)				
Drugs				

PEDS				
Spectator behaviour				
Hooligansism				
Methods to control hooliganism				
Health fitness and well being				
Linking participation in physical activity, to health wel being and fitness				
Consequences of sedatory lifestyle				
Obesity				
Somata types				
Energy use, diet, nutrition and hydration				
Energy use				
Nutritition				
Balanced deit				
Compostion of balanced deit				
Hydration				

Physics - AQA

Topic P1	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
Changes in energy stores				
Conversion of energy				
Energy and work				
Gravitational potential energy stores				
Kenetic energy and elastic energy stores				
Energy dissipation				
Energy and efficency				
Electrical applicance				
Energy and power				
Topic P2	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Energy transfer by conduction				
Infrared radiation				
Specific heat capacity				
Heating and insulating buildings				
Topic P3	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Energy deamands				
Energy from wind and water				
Power from the Sun and the Earth				
Energy and the environment				
Big energy issues				
Topic P4	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Electrical charges and fields				
Current and charge				
Potential different and resistance				
Component characteristics				
Series circuits				
Parallel circuits				
Topic P5	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Alternating current				
Cables and plugs				
Electrical power and potential difference				
Electrical currents and energy transfer				
Appliances and efficiency				
Topic P6	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Density				
States of matter				
Changes of state				
Internal energy				
Specific latent heat				
Gas pressure and volume				
Gas pressure and temperature				
Topic P7	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Atoms and radiation				
The discovery of the nucleus				

Alpha, beta and gamma radiation				
Activity and half life				
Nuclear radiation in medicine				
Nuclear fission				
Nuclear fusion				
Nucear issues				
Topic P8	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Vectors and scalers				
Forces between objects				
Resultant forces				
Moments at work				
Levers and gears				
Centre of mass				
Moments and equilibrium				
The parallelogram of forces				
Resolution of forces				
Topic P9	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Speed and distance-time graphs				
Velocity and acceleration				
Velocity-time graphs				
Analysing motion graphs				
Topic P10	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Force and acceleration				
Weight and terminal velocity				
Forces and breaking				
Momentum				
Using conservation of momentum				
Impact forces				
Safety first				
Forces and elasticity				
Topic P11	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Pressure and surfaces				
Pressure in a liquid at rest				
Atmospheric pressure				
Upthrust and flotation				
Topic P12	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The nature of waves				
The properties of waves				
Reflection and refraction				
Sound waves				
Ultrasound				
Seismic waves				
Topic P13	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
The electromagnetic spectrum				
Light, infrared, microwaves and radio waves				
Communications				
Ultraviolet waves, X-rays and gamma rays				
X-rays in medicine				
Topic P14	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**

Reflection of light				
Refraction of light				
Light and colour				
Lenses				
Using lenses				
Topic P15	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Magnetic fields				
Magnetic fields of electrical currents				
Electromagnets in devices				
The motor effect				
The generator effect				
The alternating-current generator				
Transformers				
Topic P16	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
Formation of the solar system				
The life history of a star				
Planets, satellites and orbits				
The expanding universe				
The beginning and future of the Universe				

RE - AQA

Topic	Pre revision self assessment	First 'visit'	Second 'visit'	Exam date
COMPONENT 2: THEME C: EXISTENCE OF GOD AND REVELATION				
For every topic in RE you have a Study Pack. The course content to be revised for each topic is stated on the front and back pages. You must revise and ensure you understand each bullet-point thoroughly. Any one of those sections could be your 12 mark question, or your 4 or 5 markers! Make special note of "contemporary British society" questions in Component 2.				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
COMPONENT 1: CHRISTIANITY - BELIEFS, TEACHINGS AND PRACTICES				
For every topic in RE you have a Study Pack. The course content to be revised for each topic is stated on the front and back pages. You must revise and ensure you understand each bullet-point thoroughly. Any one of those sections could be your 12 mark question, or your 4 or 5 markers!				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
COMPONENT 1: ISLAM - BELIEFS, TEACHINGS AND PRACTICES				
For every topic in RE you have a Study Pack. The course content to be revised for each topic is stated on the front and back pages. You must revise and ensure you understand each bullet-point thoroughly. Any one of those sections could be your 12 mark question, or your 4 or 5 markers!				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
COMPONENT 2: THEME B: Religion and Life				
For every topic in RE you have a Study Pack. The course content to be revised for each topic is stated on the front and back pages. You must revise and ensure you understand each bullet-point thoroughly. Any one of those sections could be your 12 mark question, or your 4 or 5 markers! Make special note of "contemporary British society" questions in Component 2.				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
COMPONENT 2: THEME F: Religion, Human Rights and Social Justice				
For every topic in RE you have a Study Pack. The course content to be revised for each topic is stated on the front and back pages. You must revise and ensure you understand each bullet-point thoroughly. Any one of those sections could be your 12 mark question, or your 4 or 5 markers! Make special note of "contemporary British society" questions in Component 2.				
Topic	**Pre revision self assessment**	**First 'visit'**	**Second 'visit'**	**Exam date**
COMPONENT 2: THEME D: Religion, Peace and Conflict				

For every topic in RE you have a Study Pack. The course content to be revised for each topic is stated on the front and back pages. You must revise and ensure you understand each bullet-point thoroughly. Any one of those sections could be your 12 mark question, or your 4 or 5 markers! Make special note of "contemporary British society" questions in Component 2.				