

Maths

Subject	Mathematics GCSE
Trial Exam Papers	Paper 1- Non calculator Paper 2- Calculator Paper 3 - Calculator
Topics covered in these papers	All three papers cover topics from the following: <ul style="list-style-type: none">• Numbers• Ratio and proportion• Algebra• Geometry and Measures• Probability and Statistics A list of topics with mathswatch clip numbers is available on Bromcom.
Resources	Mathswatch <ul style="list-style-type: none">• Username:initialsurname@bishopstopfords• Password:enjoymaths Google classroom Online exam questions and past papers with solutions https://www.mathsgenie.co.uk/gcse.html https://corbettmaths.com/contents/
Additional help and advice to prepare your child for the exam	How to revise effectively for Maths: <ul style="list-style-type: none">• Choose a past paper question• Use the videos on Mathswatch to help understanding how to answer the question.• Practice the questions on Mathswatch.• Do the question by setting a timer based on the number of marks allocated to the question.• Use the marking scheme for the past paper to mark the answer.• Show your teacher your work to make sure that your marking is accurate.

Science

Subject	Science
Trial Exam Papers	Biology Chemistry Physics
Topics covered in these papers	<p><u>Biology</u> Homeostasis and Response Inheritance, Variation and Evolution Ecology</p> <p><u>Chemistry</u> The rate and extent of chemical change Organic Chemistry Chemical Analysis Chemistry of the Atmosphere Using Resources</p> <p><u>Physics</u> Forces Waves Magnetism and Electromagnetism</p>
Resources	<p>1) Kerboodle Students have their own log in details for this. Kerboodle provides digital support for the AQA GCSE Sciences (9-1) specifications. Content includes: - A bank of support for the new practical exam questions, including practical worksheets with differentiated questions and method sheets - Online Textbooks for all the three sciences</p> <p>2) Follow the Science Instagram Students (and parents) should follow the Instagram which is updated with photos of activities going on in class and revision material.</p> <p>3) Revision using SENECA Learning SENECA Learning is a free platform which enables your child to access short revision exercises. Its use over time has excellent results in increasing GCSE grades. Your child should log in here: www.senecalearning.com Additional resources are available on the Google Classroom. Your child needs to log into google classroom and join the classes to access this information. Again help to log in can be provided by the IT helpdesk.</p> <ul style="list-style-type: none"> o GCSE exam help classroom code: ypqqam o Chemistry classroom code: lfyz1wn o Biology classroom code: 4rbts7
Additional help and advice to prepare your child for the exam	Use the videos on Youtube 'freescience lessons' to help understand how to answer the key questions. Then practice the questions from AQA Science Website. Do the question by setting a timer on based on the number of marks allocated to the question. Use the marking scheme for the past paper to mark the answer. Show your teacher your work to make sure that your marking is accurate.

English

Subject	Mathematics
Exams being sat in trial exam	Literature Paper 2- A Christmas Carol and poetry Language paper 2 – unseen non-fiction and transactional writing
Topics covered in the exam	The use and effects of language and structure in unseen and known texts. The evaluation of texts. Comparison of texts.
Resources	Google Classroom; students need their school logon and the classroom code from their teacher. Seneca learning. Discount revision guides are available through Parent Pay until the week ending Friday 8 th Feb.
Additional help and advice to prepare your child for the exam	There past paper available at Exexcel; students can do these papers and then can check them against the mark schemes. Make sure that students know the content and timing of each question of the paper. Reread set texts and revise theme and characters. Revise the common forms of transactional writing such as DAFOREST.

Religious Studies

Subject	Religious Education
Exams being sat in trail exams (e.g Paper 1, non-calculator)	Paper 1- Christianity and Islam Paper 2- Thematic Studies
Topics covered in these papers	Paper 1 – Christian Beliefs and Teachings and Christian Practices; Islamic Beliefs and Teachings and Islamic Practices Paper 2 – Relationships and Family, Crime and Punishment, Religion and Life, Religion Peace and Conflict
Resources	CGP revision guide (already provided), Seneca learning platform: https://app.senecalearning.com/dashboard/join-class/n63ux2q3uw
Additional help and advice to prepare your child for the exam	<ul style="list-style-type: none">• Check that they are prepared for RE lessons by bringing their revision guide to every lesson• Revise and answer questions on Seneca learning everyday• Utilise their revision book to create mind maps/flash cards• See their teacher to get practice questions, especially for the 12marker• Only revise topics that they are not secure in knowledge wise i.e. paper 2

History

Subject	History
Trial Exam Papers	Paper 1- Medicine Paper 2- Elizabeth Paper 3 – Weimar Republic and Nazi Germany 1918-1939
Topics covered in these papers	The exams will cover the following topics: Paper 1 – Medicine Medicine during the Middle Ages and the Renaissance. The paper will also cover Medicine during the First World War. Paper 2 – Early Elizabethan England <ul style="list-style-type: none"> • What was England like in 1558? • The religious Settlement • Religious challenges to Elizabeth • Mary Queen of Scots Paper 3 – Weimar Republic and Nazi Germany <ul style="list-style-type: none"> • The Weimar Republic, 1918-1929 • Hitler’s rise to power, 1919-33 • Nazi control and dictatorship, 1933-39 • Life in Nazi Germany,1933-39
Resources	Google classroom Code: 5i1u12o Seneca Learning Code: https://app.senecalearning.com/dashboard/join-class/wantpuxl44 We have also given all students work booklets and revision guides. There have also been available to buy Edexcel Revision guides through ParentPay, there are £10 for all 4 guides that would normally cost about £26.
Additional help and advice to prepare your child for the exam	Revising for History: The subject requires two things from our students, learning the knowledge and then applying the knowledge. To support our students, we recommend using an exam question to focus their learning in each revision session they do. This could mean creating a mindmap to show what they already know, revise through reading their work book, revision guide or watching videos from youtube. (There is a list of videos on Googleclassroom.) From this, students can then add to their mindmap which is their plan for the exam question. Then using timed conditions, answer the question which can then be given to their teacher to check. Approximately, for each mark a question has, students should take no longer than 90 seconds on the question. For example, 4 marks = 6 minutes 16 marks=25 minutes

Geography

Subject	Geography
Trial Exam Papers	Paper 1- Pen, pencil, ruler Paper 2 - Pen, pencil, ruler Paper 3 - Pen, pencil, ruler
Topics covered in the exam	All three papers cover topics from the following: Student have received a file with all of the subject content for every paper
Resources	CGP past paper booklets Model answer booklets (student files) PIXL APP Seneca Google Classroom All students have detail to login
Additional help and advice to prepare your child for the exam	How to revise effectively for Geography Revise Paper 1 first. Once exam sat revise Paper 2 and 3. Choose a past paper question Use the sessions on Seneca to help understanding how to answer the question. Then practice the questions in student resource file. Do the question by setting a timer on based on the number of marks allocated to the question. Use the marking scheme for the past paper to mark the answer. Show your teacher your work to make sure that your marking is accurate.

French

Subject	French
Trial Exam Papers	<ul style="list-style-type: none">• Listening• Speaking• Reading• Writing
Topics covered in these papers	Theme 1 Identity and Culture Theme 2 Local, national, international and global areas of interest Theme 3 Current and future study and employment
Resources	Speaking booklets. Booster packs for Reading and Writing Mindmaps Quizlet Seneca learning Google Classroom
Additional help and advice to prepare your child for the exam	Quiz your child on knowledge of vocabulary or ask them to revise key phrases for 10 minutes everyday (Vocabulary lists on Quizlet, in their exercise books, in the vocabulary booklet) Ask your child to answer the questions listed in their Speaking booklet. Set a timer for 15 minutes and ask them to prepare a Role play and a Photo card task. (Speaking booklet) Ask them to redraft writing tasks they already sat.

Sociology

Subject	Sociology AQA 9-1
Exams being sat in trial exams	Paper 1- Families and Education Paper 2- Crime and Deviance and Social Stratification Relevant areas of Social Theories and Methods are assessed in both sections
Topics covered in these papers	<ol style="list-style-type: none"> 1. The sociological approach 2. Social structures, social processes and social issues 3. Families 4. Education 5. Crime and deviance 6. Social stratification 7. Sociological research methods
Resources	<p>Students have been provided with revision workbooks and revision guides.</p> <p>Students have been given Case study guides.</p> <p>Collins AQA Revision guide.</p>
Additional help and advice to prepare your child for the exam	<p>How to revise effectively for Sociology.</p> <p>Revise ALL case studies including research methods used and theory they link to.</p> <p>Revise theories and then link to topics and learn keywords.</p> <p>Practice exam questions in revision books and check answers with mark schemes.</p> <p>Plan 12 mark questions and include keywords, theory and both sides of the argument.</p> <p>Command words</p> <ol style="list-style-type: none"> 1. Identify- State a point briefly or name. 2. Describe- Set out the main features 3. From item B- draw from but do not copy out. 4. Identify and explain one reason why- briefly state one reason and develop with discussion- link to theory, evaluate, give example. 5. Discuss how far sociologists agree-introduction-briefly explain what you are going to say explain one side of the debate, use theory, evidence and examples, criticise then present the other side. Come to a conclusion.

Music

Subject	Music
Trial Exam Papers	Unit 1 – Performance Unit 3 – Listening and Appraising
Topics covered in the exam	Defying Gravity Beethoven: Pathetique Purcell: Music for a while Afro Celt: Release Bach: Brandenburg Concerto Queen: Killer Queen Star wars Unfamiliar essay question
Resources	<ul style="list-style-type: none"> • Annotated scores • Play list of all scores https://www.youtube.com/watch?v=nkAJaROj7jA&list=PLpfuzG_Ysm1DD3X6qfqHSPf42IYeD5XoO • Rhinegold live play list https://www.youtube.com/playlist?list=PL3q984EWyJe5fvJzadbO3IE0SoLPy-jZL • Purcell revision video https://www.youtube.com/watch?v=SYdvP1gmSOI • CPC Music revision book • Edexcel Text book – Pearson’s • Complete all the practice questions in the Edexcel Text book.
Additional help and advice to prepare your child for the exam	<p>Performance</p> <ul style="list-style-type: none"> • Practice both solo and ensemble pieces for 20mins every day • Perform both pieces in front of friends and family – ask them to give you honest feedback. Take on the feedback and continue practicing. • Record yourself on your phone – using the criteria sheet mark yourself. <p>Listening exam</p> <ul style="list-style-type: none"> • Listen through to each piece while annotating the score. • Use the analysis section in the text book to help you annotate • Create a mind map of all the key words in each piece • Test yourself on each keyword for all pieces • Practice writing an essay question to all set works • Write out all the question you got wrong from previous exam questions and retest yourself. • Write a list of all the possible questions you could be asked about each piece.

Food and Cookery

Subject	Food and Cookery
Trial Exam Papers	Unit 1
Topics covered in the exam	Exploring balanced diets
Resources	Printed revision guide has been provided to all students IAchieve- A school subscribed, online resource providing information and practice work.
Additional help and advice to prepare your child for the exam	Past papers accessible from both: NCFE Qual Hub: https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-2-certificate-in-food-and-cookery-4434 AND http://www.iachieve.org.uk/
Coursework	<i>All students have been provided with both a grade tracker identifying the areas that are not yet a pass and teacher feedback to help inform them of what needs to be completed and how to go about this. Iachieve also provides outstanding resources to assist students in all areas of the coursework.</i>

Drama

Subject	Drama
Trial Exam	Component 2 preparation for actual exam in March
Topics covered in the exam	Component 2 Performance exam; Extract one Extract two
Resources	Use script to learn lines for the exam, practice performance over and over
Additional help and advice to prepare your child for the exam	Mock exam is 13 th March 2019 at 6pm Actual exam is 26 th March 2019 at 6pm Trial exam will be used to prepare and get informed feedback on piece

Performing Arts

Subject	Performing Arts
Trial Exam	Component Two
Topics covered in the exam	Component Two performance skills and audit of skills
Resources	Use script to learn lines for the exam, practice performance over and over Start to complete your portfolio for component two 
Additional help and advice to prepare your child for the exam	Mock exam is 13th March 2019 at 6pm Actual exam is 27th March 2019 at 6pm Trial exam will be used to prepare and get informed feedback on piece

Engineering

Subject	Engineering
Trial Exam Papers	Paper 2 (Task 2) and Paper 3 (Task 3)
Topics covered in these papers	T2- 2D Drawing, T3- 3D drawing and related theory
Resources	Printed revision guide has been provided to all students IAchieve- A school subscribed, online resource providing information and practice work.
Additional help and advice to prepare your child for the exam	<p>Past papers accessible from both: NCFE Qual Hub: https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-2-certificate-in-engineering-studies-4426 AND http://www.iachieve.org.uk/</p> <p>Useful website: www.technologystudent.co.uk</p>
Coursework	<p><i>All students should continue to act on feedback in order to complete the unfinished pieces of coursework that have been identified to them.</i></p> <p><i>All students have been provided with both a grade tracker identifying the areas that are not yet a pass and a help guide to help inform them of what needs to be completed and how to go about this.</i></p> <p><i>Iachieve also provides outstanding resources to assist students in all areas of the coursework.</i></p>

PE

Subject	GCSE Physical Education
Trial Exam Papers	Paper 1 – 1 hour and 15mins Paper 2 – 1 hour and 15mins
Topics covered in these papers	Paper 1 – Chapters 1,2 and 3 Paper 2 – Chapters 4,5 and 6
Resources	Kerboodle.com Exercise Books Questions and Sheets from Teacher Bromcom Homework (students have log ins) Google Classroom (students have log ins)
Additional help and advice to prepare your child for the exam.	Students should be using the QLA from the previous mock to focus their revision on their weaknesses. By using the resources on bromcom and google classroom and the work done in class, students should have all the tools to revise. Flash cards have been given out as well as other revision techniques. It is expected that pupils do a MINIMUM of 10 hours revision per paper, which means a combined total of 20 hours.

GCSE Business

Subject	Year 11 Business GCSE
Trial Exam Papers	Theme 1 Investigating small business - 90 minutes Theme 2 Building a business - 90 minutes
Topics covered in these papers	<p><u>Theme 1 Investigating small business - 90 minutes:</u> Topic 1.1: Enterprise and entrepreneur Topic 1.2: Spotting a business opportunity Topic 1.3: Putting a business into practice Topic 1.4: Making the business effective Topic 1.5: Understanding external influences on business</p> <p><u>Theme 2 Building a business - 90 minutes:</u> Topic 2.1: Growing the business Topic 2.2: Making marketing decisions Topic 2.3: Making operational decisions Topic 2.4: Making financial decisions Topic 2.5: Making human resource decisions</p>
Resources	Revision Guide and Workbook Class notes <u>All available on google classroom:</u> Theme 1 and 2 Course Companion Practice Questions and Answers Topic PowerPoints PEED Answer structure guide sheet Class code: pilusnv
Additional help and advice to prepare your child for the exam	Support students in setting regular time aside to practice answering exam questions. Students should: <ul style="list-style-type: none"> • Revise the topics that the questions are on, and answer them open-book style. • Then review their answers against the mark scheme, green penning any improvements. Students should aim to spend 1 minute per mark when answering exam styled questions. There are practice questions for every sub-topic, and students should aim to spend 2-3 hours a week completing and reviewing questions/answers.

Computer Science

Subject	Computer Science
Trial Exam Papers	Paper1- Principals of computing (1hr40mins) Paper2- Application of Computational thinking (2hrs)
Topics covered in the exam	<p>1.1 Algorithms</p> <p>understand what an algorithm is, what algorithms are used for and be able to interpret algorithms (flowcharts, pseudocode, written descriptions, program code)</p> <p>understand how to create an algorithm to solve a particular problem, making use of programming constructs (sequence, selection, iteration)</p> <p>understand how to determine the correct output of an algorithm for a given set of data</p> <p>understand how to identify and correct errors in algorithms</p> <p>understand how standard algorithms (bubble sort, merge sort, linear search, binary search) work</p> <p>1.2 Decomposition and abstraction</p> <p>be able to analyse a problem, investigate requirements (inputs, outputs, processing, initialisation) and design solutions</p> <p>be able to decompose a problem into smaller sub-problems</p> <p>understand how abstraction can be used effectively to model aspects of the real world</p> <p>be able to program abstractions of real-world examples</p> <p>2.1 Develop code</p> <p>be able to write programs in a high-level programming language</p> <p>understand the benefit of producing programs that are easy to read and be able to use techniques (comments, descriptive names (variables, constants, subprograms), indentation) to improve readability and to explain how the code works</p> <p>be able to differentiate between types of error in programs (logic, syntax, runtime)</p> <p>be able to design and use test plans and test data (normal, boundary, erroneous)</p> <p>be able to interpret error messages and identify, locate and fix errors in a program</p> <p>be able to determine what value a variable will hold at a given point in a program (trace table)</p> <p>2.2 Constructs</p> <p>understand the structural components of a program (variable and type declarations, command sequences, selection, iteration, data structures, subprograms)</p> <p>be able to use sequencing, selection and iteration constructs in their programs</p> <p>2.3 Data types and structures</p> <p>understand the need for, and understand how to use, data types (integer, real, Boolean, char)</p>

understand the need for, and understand how to use, data structures (records, one-dimensional arrays, two-dimensional arrays)

understand the need for, and how to manipulate, strings

understand the need for, and how to use, variables and constants

understand the need for, and how to use, global and local variables when implementing subprograms

2.4 Input/output

understand how to write code that accepts and responds appropriately to user input

understand the need for, and how to implement, validation

be able to write code that reads/writes from/to a text file

2.5 Operators

understand the purpose of, and how to use, arithmetic operators (add, subtract, divide, multiply, modulus, integer division)

understand the purpose of, and how to use, relational operators (equal to, less than, greater than, not equal to, less than or equal to, greater than or equal to)

understand the purpose of, and how to use, logic operators (AND, OR, NOT)

2.6 Subprograms

understand the benefits of using subprograms and be able to write code that uses user-written and pre-existing (builtin, library) subprograms

understand the concept of passing data into and out of subprograms (procedures, functions)

be able to create subprograms that use parameters

3.1 Binary

Be able to explain why computers use binary

be able to convert between binary and denary whole numbers (0–255)

Be able to carry out conversions of negative binary numbers using sign and magnitude, two's complement

Be able to perform binary arithmetic (add, shifts (logical and arithmetic)) and understand the concept of overflow

understand why hexadecimal notation is used and be able to convert between hexadecimal and binary

3.2 Data representation

understand how computers encode characters using ASCII

understand how bitmap images are represented in binary (pixels, resolution, colour depth)

understand how sound, an analogue signal, is represented in binary

3.3 Data storage and compression

understand how to convert between the terms 'bit, nibble, byte, kilobyte (KB), megabyte (MB), gigabyte (GB), terabyte (TB)'

understand the need for data compression and methods of compressing data (lossless, lossy) and that JPEG and MP3 are examples of lossy algorithms

understand how a lossless, run-length encoding (RLE) algorithm works

understand that file storage is measured in bytes and be able to calculate file sizes

3.4 Encryption

understand the need for data encryption

understand how a Caesar cipher algorithm works

3.5 Databases

understand the characteristics of structured and unstructured data

understand that data can be decomposed, organised and managed in a structured database (tables, records, fields, relationships, keys)

4.1 Machines and computational modelling

understand the input-process-output model

4.2 Hardware

understand the function of the hardware components of a computer system (CPU, main memory, secondary storage, input and output devices) and how they work together

understand the function of different types of main memory (RAM, ROM, cache)

understand the concept of a stored program and the role of components of the CPU (control unit (CU), arithmetic/logic unit (ALU), registers, clock, address bus, data bus, control bus) in the fetch-decode-execute cycle (the Von Neumann model)

understand how data is stored on physical devices (magnetic, optical, solid state)

understand the concept of storing data in the 'cloud' and other contemporary secondary storage

understand the need for embedded systems and their functions

4.3 Logic

be able to construct truth tables for a given logic statement (AND, OR, NOT)

be able to produce logic statements for a given problem

4.4 Software

know what an operating system is and how it manages files, processes, hardware and the user interface

understand the purpose and functions of utility software (managing, repairing and converting files; compression; defragmentation; backing up; anti-virus, anti-spyware)

understand how software can be used to simulate and model aspects of the real world

4.5 Programming languages

understand what is meant by high-level and low-level programming languages and understand their suitability for a particular task

Understand what is meant by an assembler, a compiler and an interpreter when translating programming languages and know the advantages and disadvantages of each.

5.1 Networks

understand why computers are connected in a network

understand the different types of networks (LAN, WAN) and usage models (client-server, peer-to-peer)

	<p>understand wired and wireless connectivity</p> <p>understand that network data speeds are measured in bits per second (Mbps, Gbps)</p> <p>understand the role of and need for network protocols (Ethernet, Wi-Fi, TCP/IP, HTTP, HTTPS, FTP, email (POP3, SMTP, IMAP))</p> <p>understand that data can be transmitted in packets using layered protocol stacks (TCP/IP)</p> <p>understand characteristics of network topologies (bus, ring, star, mesh)</p> <p>5.2 Network security</p> <p>understand the importance of network security and be able to use appropriate validation and authentication techniques (access control, physical security and firewalls)</p> <p>understand security issues associated with the 'cloud' and other contemporary storage</p> <p>understand different forms of cyberattack (based on technical weaknesses and behaviour) including social engineering (phishing, shoulder surfing), unpatched software, USB devices, digital devices and eavesdropping</p> <p>understand methods of identifying vulnerabilities including penetration testing, ethical hacking, commercial analysis tools and review of network and user policies</p> <p>understand how to protect software systems from cyber-attacks, including considerations at the design stage, audit trails, securing operating systems, code reviews to remove code vulnerabilities in programming languages and bad programming practices, modular testing and effective network security provision</p> <p>5.3 The internet and the world wide web</p> <p>understand what is meant by the internet and how the internet is structured (IP addressing, routers)</p> <p>understand what is meant by the world wide web (WWW) and components of the WWW (web server URLs, ISP, HTTP, HTTPS, HTML)</p> <p>6.1 Emerging trends, issues and impact</p> <p>understand the environmental impact of technology (health, energy use, resources) on society</p> <p>understand the ethical impact of using technology (privacy, inclusion, professionalism) on society</p> <p>understand the legal impact of using technology (intellectual property, patents, licensing, open source and proprietary software, cyber-security) on society</p>
Resources	<ul style="list-style-type: none"> • Google classroom (ih9fh2d) • Seneca (wvokasj2w5) • Revision Guide/ Workbook. • Youtube channel (CompTutor)
Additional help and advice to prepare your	Support students in Practicing past exam questions. You can access these from Edexcel's website. Each question has a mark assigned to it; for Paper1: students should only spend the equivalent minutes to the mark of questions.

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For example, 2mark questions= 2 minutes. Paper2: minute and a half for each mark.
Please encourage students to practice writing out algorithms to past questions and then build the solution on Python- this can be downloaded for free onto any device with internet access.