



NESTON
HIGH SCHOOL



YEAR 11

CENTRE ASSESSED EXAM GUIDE

January 26th - February 6th 2025

Head of Year 11: Miss A Jones

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ART SUBJECTS

Head of Art: Miss H Thomas

AQA GCSE (9-1) in Fine Art/Graphics/Textiles/Photography

YEAR 11 Centre Assessed Exam

Number of Papers: 0

Length of Exam: 2 Hours

As there is no written Exam in this subject, students will be given a 2 hour block of time under exam conditions to work on/develop coursework.

Staff Contact Information

Head of Department: thomash@nestonhigh.com

Fine Art : thomash@nestonhigh.com

Graphic Design: carleyc@nestonhigh.com wilsons@nestonhigh.com

Textiles: griffithss@nestonhigh.com holdena@nestonhigh.com

Photography: cleverlydodd@nestonhigh.com



BUSINESS

Head of Business: Mr P Reilly

WJEC GCSE (9-1) in Business

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hr 30 Mins

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE

- Business activity
- Influences on business
- Business operations
- Finance
- Marketing

NOT Human Resources

REVISION RESOURCES/WEB LINKS

- [Bitesize](#)
- [Eduqas](#) knowledge organisers
- Course textbook
- Revision notes from books/folders
- Tutor2U

Staff Contact Information

Miss L Edwards: edwardsl@nestonhigh.com



CHILD DEVELOPMENT

Head of Child Development: Mrs J Jones

OCR Level 1/2 Cambridge National Certificate in Child Development

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1Hr 15mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

RO57 REVISION LIST

TA1 Pre-Conception health and reproduction

- 1.1 Factors affecting pre-conception health for women and men
- factors-weight, smoking, drinking alcohol, drugs, age,
- 1.2 Other factors folic acid, up to date immunisations
- 1.3 Types of contraception methods and their advantages and disadvantages
- Barrier methods- Male and female Condom, Diaphragm or cap, Hormonal methods-contraceptive pills, injection, implant, IUD,IUS, Emergency contraception. Natural family planning, temperature method, cervical mucus method, calendar method
- 1.4 The structure and function of the reproductive systems
- Female- ovaries, fallopian tubes, uterus/womb, cervix, vagina-The menstrual cycle. Male-Testes, sperm duct/epididymis, Urethra, Penis, Seminal vesicle.
- 1.5 How reproduction takes place. Ovulation, conception/fertilization, implantation, development of the embryo and foetus, multiple pregnancies.
- 1.6 The signs and symptoms of pregnancy

TA3 Conditions for development

- 3.3 The developmental needs of children from 0-5 years.
- Warmth, shelter, feeding, love, rest/sleep, fresh air, exercise, hygiene, stimulation, routine, play and stimulation, behaviour.

TA4 Safety

- 4.3 How to ensure a child friendly environment
- Hazards in the home, preventions, road safety,
- safety labels-names, meanings and products they are found on.

REVISION RESOURCES/WEB LINKS

- Cambridge National Child Development text book page 11-37 TA1 Page 102-107 TA41-81.
- My revision notes Cambridge national revision guide
- Revision Sheets and knowledge organisers given in class.

Staff Contact Information

Mrs S Griffiths: griffithss@nestonhigh.com

COMPUTER SCIENCE

Head of ICT: Mr P Reilly

OCR GCSE (9-1) in Computer Science

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1Hour 30Mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

- 1.1 Systems Architecture
- 1.2 Memory and Storage
- 1.3 Computer Networks, connections, and protocols
- 1.4 Network Threats
- 1.5 System software
- 1.6 Ethical, legal and cultural issues
- 2.1 Algorithms
- 2.2 Programming fundamentals.

REVISION RESOURCES/WEB LINKS

- <https://smartrevise.online/>
- PG Online Clear Revise textbook
- Craig & Dave YouTube videos
- Exercise books

Staff Contact Information

Mr C Clare: clarec@nestonhigh.com

A banner image for the IT BTEC exam guide. It features a dark blue background with a cityscape at night. Overlaid on the cityscape are various white circular icons connected by lines, representing a network. The icons include a smartphone, a Wi-Fi symbol, a cloud, a heart, a house, a gear, and a person. In the foreground, a person's hand is reaching out towards a glowing circular light. The text 'IT BTEC' is written in large, white, bold letters on the left side of the banner.

IT BTEC

Head of ICT: Mr P Reilly

*Pearson BTEC Level 1/2 Tech Award in Digital Information Technology
Information Technology*

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hr 30 Mins

Equipment Required: Exam Pencil Case

TOPIC AREAS

- Modern Technologies
- Impact of Modern Technologies
- Threats to data
- Prevention and management of threats
- Policies

REVISION RESOURCES/WEB LINKS

- KnowItAllNinja
- Pearson REVISE BTEC Tech Award Digital Information Technology 2022 Revision Guide (Amazon - £6.49)
- Revision books in folders
- Knowledge organisers and full revision guide on Teams

Staff Contact Information

Mr C Clare: clarec@nestonhigh.com

Miss C Riding: ridingc@nestonhigh.com



DRAMA

Head of Drama: Mrs S Tebay

AQA GCSE (9-1) in Drama

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 45 mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

A: multiple choice questions

B: Blood Brothers

C: Billy Elliott

REVISION RESOURCES/WEB LINKS

- Director and performers - **Theatre roles** - [AQA - GCSE Drama Revision](#) - [AQA - BBC Bitesize](#)
- Stage positioning - **Stage positioning** - [AQA - GCSE Drama Revision](#) - [AQA - BBC Bitesize](#)
- Blood Brothers texts and booklets
- Blood Brothers youtube link [You've either got patience or Prime. \(youtube.com\)](#)
- Billy Elliott Live on teams via year 11 teams page

Staff Contact Information

Mrs C Hickey: hickeyc@nestonhigh.com

Mrs S Tebay: tebays@nestonhigh.com



ENGINEERING CNAT

Course Lead: Mr A Miatt

OCR Level 1/2 Cambridge National in Engineering and Manufacture YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 15 mins

Equipment Required: Exam Pencil Case, Calculator, Highlighter, Pens

TOPIC AREAS TO REVISE

TA1 – Manufacturing processes: wasting, shaping, forming, joining, finishing, additive.

TA2 – Materials: properties, ferrous & non-ferrous metals, non-metals, polymers, engineering ceramics.

TA3 – Manufacturing requirements: drawings, production scale, quality processes, SPC, sequence of production, standard operating procedure, production aids.

TA4 – Factories: inventory, lean, JIT, globalisation.

REVISION RESOURCES/WEB LINKS

- Check Teams for links

Staff Contact Information

Mr A Miatt: miatta@nestonhigh.com

ENGLISH LANGUAGE

Head of English: Mr S Smith

AQA GCSE (9-1) in English Language

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: Paper 2 1 Hours 45 Mins

Equipment Required: Exam Pencil Case, Highlighter Pens

TOPIC AREAS TO REVISE

Reading section-two non-fiction extracts to read with 4 questions.

- Q1- Identify statements which are true/ false.
- Q2- Making inferences between texts.
- Q3- Language/ method analysis
- Q4- Comparing the writer's viewpoint and perspectives.

Writing section-one question where you are asked to write a letter, article or speech expressing a viewpoint in response to a statement.

REVISION RESOURCES/WEB LINKS

- Use your exercise books.
- Practice papers- available from the AQA website or Microsoft Teams (Go to the Files tab on the Year 11 English Team's page and select the paper you're revising).
- Activities to develop your vocabulary.
- Spelling, punctuation and grammar quizzes (CGP books/ online).
- Read non-fiction sources.
- Watch revision videos online 'YouTube' (Mr Bruff, Lightbulb revision, Dystopian Junkie) and make notes/ flashcards
- Follow the English Department on Instagram for handy tips @english_and_media_nhs

Staff Contact Information

Head of English: Mr S Smith smiths@nestonhigh.com

KS4 Coordinator of English: Mrs K Ferguson fergusonk@nestonhigh.com



ENGLISH LITERATURE

Head of English: Miss A. Mitchell

AQA GCSE (9-1) in English Literature

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: Paper 1 1 Hours 45 Mins

Equipment Required: Exam Pencil Case, Highlighter Pens

TOPIC AREAS TO REVISE

Closed book- you won't get a copy of the text in the exam.

Macbeth- an extract question. You will be expected to analyse the extract with a specific focus (theme/ character) and make links to the rest of the play.

A Christmas Carol- an extract question. You will be expected to analyse the extract with a specific focus (theme/ character) and make links to the rest of the novella.

REVISION RESOURCES/WEB LINKS

- Re-read both texts (particularly A Christmas Carol as you studied this in Year 10).
- Learn key quotations for characters and themes. Revision resources are on Microsoft Teams (Go to Files and select the paper you are revising).
- Watch revision videos online 'YouTube' (Mr Bruff, Lightbulb revision, Dystopian Junkie) and make notes/ flashcards
- Use your exercise books
- Follow the English Department on Instagram for handy tips @english_and_media_nhs
- Practice questions on Teams
- BBC Bitesize/ Seneca
- Homework booklets- use them for revision and ensure they're fully completed.

Staff Contact Information

Head of English: Mr S Smith smiths@nestonhigh.com

KS4 Coordinator of English: Mrs K Ferguson fergusonk@nestonhigh.com



FOOD PREPARATION & NUTRITION

Head of Department: Mrs J Jones

WJEC Eduqas GCSE (9-1) in Food Preparation and Nutrition

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 45 mins

Equipment Required: Exam Pencil Case, Highlighter Pens

TOPIC AREAS TO REVISE

- Scientific changes in food
- Healthy Eating
- Importance of Vitamins
- Food spoilage/micro-organisms
- Preservation Methods
- Cost Impacts when buying/making meals
- Types of milk
- Pasteurisation
- Lactose intolerance
- Fortification
- Additives—the use of
- Impacts of a high saturated fat diet

REVISION RESOURCES/WEB LINKS

A full revision guide has been given to each student in class

Staff Contact Information

Head of Food (Mrs J Jones): jonesj@nestonhigh.com



GEOGRAPHY

Head of Geography: Miss M Jones

WJEC Eduqas GCSE (9-1) in Geography A

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: Paper 1: 1 Hour 30 mins

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE - Paper 1: Changing Physical and Human

Theme 1: Landscapes and Physical Processes

Key ideas

- Drainage basin, water cycle, and how weathering, erosion, mass movement, deposition and fluvial processes shape landscapes.
- Links between geology, slope, climate and vegetation in producing landscape differences.
 - ◊ Landforms & processes
 - ◊ Human interactions

Case studies: *Causes and effects of flooding in one UK location (Sheffield). Rural area (Snowdonia).*

Theme 2: Rural- Urban Links

Key ideas

- How people, goods, services, information and resources move between rural and urban areas.
- Flows: migration, commuting, food, water, energy, trade.
- Connections: physical (roads/rail/ports), digital (internet), economic (supply chains), social (education/healthcare).
 - ◊ Processes & concepts
 - ◊ Impacts & responses

Case studies: *Global city in a HIC (Liverpool) and LIC/NEE (Mumbai).*

Theme 3: Tectonic Landscapes & Hazards (Remember: this is your optional topic)

Key ideas

- Earth structure and plate tectonics theory.
- Plate boundary types: constructive, destructive and conservative- and the hazards they produce.
 - ◊ Hazards
 - ◊ Vulnerability & risk

Case studies: *Earthquake and Volcano in a HIC (Mount St Helens) and LIC/NEE (Mount Merapi).*

REVISION RESOURCES/WEB LINKS

- TEAMS – Revision powerpoints available, Past Questions powerpoint with model answers
- Eduqas A Website has Knowledge Organisers, Past Papers and also an Active Learning Platform
- SENECA Learning

Staff Contact Information

Head of Geography (Miss L Traynor): traynorl@nestonhigh.com



HISTORY

Head of History: Mr G Williams

Edexcel GCSE (9-1) in History

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 20 mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

The exact question styles you will answer in the History CAE have been posted on the Y11 whole-cohort History Team.

Crime and punishment in Britain, c.1000 to the present

1. Crime and punishment in medieval England, c1000-c1500.
2. Crime and punishment in early modern England, c1500-c1700.
3. Crime and punishment eighteenth- and nineteenth-century Britain, c1700-c1900.
4. Crime and punishment in modern Britain, c1900-present.

USA, 1954-75: Conflict at home and abroad

1. The development of the civil rights movement, 1954-60
2. Protest, progress and radicalism, 1960-75
3. US involvement in the Vietnam War, 1954-75
4. Reactions to, and the end of, US involvement in Vietnam, 1964-75

REVISION RESOURCES/WEB LINKS

- The exact question styles you will answer in the History CAE have been posted on the Y11 whole-cohort History Team.
- Past papers, model answers, knowledge organisers, topic summaries, revision guides and more are all available on Teams.
- Weekly Seneca revision quizzes are set each Monday (due in the following Monday). Students are able to complete additional Seneca revision quizzes too.
- BBC Bitesize.

Staff Contact Information

Head of Department: williamsg@nestonhigh.com



HOSPITALITY & CATERING



Head of Home Economics: Mrs J Jones

WJEC Level 1/2 Award in Hospitality and Catering

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 20 mins

TOPIC AREAS TO REVISE

- Types of provision
- Contract types- permanent, part time, seasonal
- Dress codes- Head chef, front of house, back of house
- New technologies
- Meeting the needs of customers at a hotel-e.g. married couple, young family, business person
- Advertisement methods in the hospitality and catering industry
- Job roles- front of house, back of house
- Safety training in front of house and back of house
- Flow charts of systems
- HACCAP
- Dealing with complaints
- Nutrients in commonly served restaurant foods
- Allergies- Visible and non visible
- EHO

REVISION RESOURCES/WEB LINKS

- Knowledge organisers Level 1/2 Vocational Award in Hospitality and Catering (wjec.co.uk)
- Hospitality and Catering textbooks
- Class notes
- Level 1/2 Vocational Award in Hospitality and Catering (wjec.co.uk)
- Past papers from old specification Level 1/2 Hospitality and Catering (wjec.co.uk)

Staff Contact Information

Head of Department Mrs J Jones: jonesj@nestonhigh.com



LANGUAGES French - German - Spanish

Head of Languages: Mr A Weston

AQA GCSE (9-1) French, German, Spanish

YEAR 11 Centre Assessed Exam

Number of Papers: 3 (1x Listening, 1x Reading, 1x Writing)

Length of Exam: Foundation: Listening (35mins) & Reading (45mins) Separate exams

Higher: Listening (45mins) & Reading (1 Hr) Separate exams

All Cohort: Writing (1 Hr)

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

Topic 1: Identity and relationships with others

Topic 2: Healthy living and lifestyle

Topic 3: Education and work

Topic 4: Free-time activities

Topic 5: Customs, festivals and celebrations

Topic 6: Celebrity culture

Topic 7: Travel and tourism, including places of interest

GRAMMAR

Past, present and future tenses

REVISION RESOURCES/WEB LINKS

- Topic vocabulary lists
- Writing task- revise draft answers, learn some knowledge organiser expressions and key verbs
- [Languagenut.com](https://www.languagenut.com) (user login)
- <https://www.bbc.co.uk/bitesize/examspecs/zjgpg2p>

Staff Contact Information

- Spanish: Mr A Weston: westona@nestonhigh.com Mr J Garcia: garciaj@nestonhigh.com
- French: Mrs S Lee: lees@nestonhigh.com
- German: Mrs K Pickering: pickeringk@nestonhigh.com



MATHEMATICS

Head of Mathematics: Miss E Coombs

OCR GCSE (9-1) in Mathematics

YEAR 11 Centre Assessed Exam

Number of Papers: 3

Length of Exam: 3 x 1hr 30 mins

Equipment Required: Calculator, Ruler, Protractor, Compass

TOPIC AREAS TO REVISE

GCSE contents checklist supplied by Maths teachers which covers entire course—see following pages for Higher and Foundation Checklists.

Teachers have explained how to use the checklists, their books and Maths Watch for revision.

REVISION RESOURCES/WEB LINKS

- Mathswatch
- Past papers
- Mathsgenie.co.uk

Staff Contact Information

Head of Department Miss E Coombs: coombse@nestonhigh.com

Maths Foundation Checklist

Topic	Mathswatch Clip Number	Key Topic (PRIORITY to revise as regularly in exams)	More likely to be in the non-calculator paper (2nd paper)?
Number			
Writing numbers in digits or words. Place value of a digit	1		
Ordering integers and decimals	2,3	YES	
Adding and subtracting integers and decimals	17, 18	YES	YES
Multiplying and dividing integers	19, 20, 21	YES	YES
Questions involving money	22	YES	YES
Multiplying and dividing decimals	66, 67		YES
Multiply and divide by powers of 10	30		YES
BIDMAS	75	YES	YES
Use one calculation to get an answer to another	92		
Ordering, difference between and real-life negatives	23, 27		YES
Add, subtract, multiply and divide negative numbers	68		YES
Use of calculator	77		
Rounding to nearest whole number, 10, 100, 1000, ... & dp	31, 32	YES	
Estimating and rounding to significant figures	90, 91	YES	
Write bounds / limits of accuracy / error intervals	132, 155	YES	
Factors, multiples, primes	28	YES	
Prime factor decomposition	78	YES	
HCF and LCM	79, 80		
Powers/indices, squares and cubes	81, 82	YES	YES
Rules of Indices	29, 131	YES	
Reciprocals & negative indices	76, 154	YES	YES
Convert between standard form & ordinary numbers, $+/- \times$ standard form numbers	83	YES	YES
Fractions, Percentages			
Simplify, equivalent, convert to/from mixed numbers	24, 25, 26	YES	YES
Comparing and ordering fractions.	70	YES	YES
Fraction of an amount	72	YES	
Add, subtract, multiply & divide fractions and mixed numbers	71, 73, 74	YES	YES
Convert, order and compare fractions, percentages, decimals	84, 85	YES	YES
Find percentage of an amount - with & without a calculator	40, 86, 87		YES
Write one amount as a percentage of another	88, 89	YES	
Increase/decrease & repeated percentage change	108	YES	
Compound and simple interest	111, 164	YES	
Work out what the % change was	109		YES
Reverse percentage change (find original amount)	110	YES	
Ratio & Proportion			
Ratio: Simplify ratio	38, 106, 107	YES	
Write in the form 1 : n		YES	
Use ratio's given for map scales and scale drawings			
Convert between ratio and fractions/proportion		YES	
Share an amount into given ratio		YES	
Find other missing or total amount		YES	
Combine two ratios together		YES	
Work out how many were added/subtracted to get given ratio			
Proportion - Conversion graphs and amounts eg: currency	42, 105, 107	YES	
Recipes	39		
Best buy	41	YES	
Real life graphs - depth-time & distance-time graphs	143	YES	
Algebra			
Algebraic vocabulary			
Function machines	36		
Collect like terms	33	YES	
Write & simplifying expressions	7, 34, 35	YES	
Multiply out single brackets	93	YES	
Expand and simplify two brackets	93	YES	
Expand double brackets	134	YES	
Form linear equations & formulae	137	YES	
Solve linear equations	100, 135	YES	
Factorise with a single bracket	94		
Solve a quadratic by factorising	157, 158	YES	
Roots and turning points of a quadratic	160		
Rearranging formulae / changing the subject	101, 136	YES	
Substitution	95	YES	
Linear sequences and nth terms	37, 102, 103	YES	
Geometric and Fibonacci sequences	104, 141, 163	YES	
Given the nth term find terms in a quadratic sequence			
Plotting and reading coordinates	8, 113	YES	
Straight line graphs	96, 97, 159	YES	
Midpoint of a line	133		
Quadratic Graphs	98, 160		
Cubic and reciprocal graphs	99, 161		
Inequalities (list integers, solve, number line)	5, 138, 139	YES	
Simultaneous equations	140, 162		
Algebraic Proof & Mathematical reasoning	156		

Maths Foundation Checklist ...continued

Geometry			
Reading scales	4		
Calculate start/finish times, amount of time passed	6		
Interpreting tables, eg bus timetables, distance tables	6		
Units conversion	112	YES	
Compound Measures	142, 143	YES	
Perimeter	52		
Area compound shapes, triangles, parallelograms, trapezium	53, 54, 55, 56	YES	
Circle parts	116, 149		
Area and circumference of circles	117, 118	YES	
Arc length & areas of sectors	149, 167		
Names and properties of polygons	9, 10	YES	
Column vectors	174		
Line and rotational symmetry	11	YES	
Transformations (translate, rotate, reflect)	48, 49, 50	YES	
Enlargement	148		
Similar shapes	144		
Congruent shapes	12, 166		
Constructing triangles	47, 147		
Bisectors & Loci	145, 146		
Types of angles	13		
Drawing and measuring angles	46		
Basic angle facts	45, 121		
Properties of triangles	122	YES	
Angle of parallel lines	120		
Angles of Polygons	123		
Bearings	124		
Pythagoras	150	YES	
Trigonometry	168	YES	
Exact trig values	173		YES
Faces, edges, vertices & nets of 3D shapes	43, 44	YES	
Plans & elevations	51		
Surface area	114		
Volume of prisms eg cuboids, cylinder, compound shapes	114, 115, 119		
Volume of spheres, pyramids, cones	169, 170, 171, 172		
Statistics and Probability			
Types of data	63		
Pictograms, tally charts & bar charts	15, 16, 65	YES	
Frequency Polygons	65		
Frequency Trees	57		
Two way tables	61		
Line Charts	64		
Time Series graphs	153		
Scatter diagrams	129	YES	
Venn diagrams	127		
Pie Charts	128	YES	
Misleading diagrams		YES	
Mean, mode, median, range from a list (mmmr)	62	YES	
mmmr from charts	64		
mmmr from frequency tables	130	YES	
Sampling	152		
Probability scales	14	YES	
Calculating probabilities	59		
Mutually exclusive events	60		
Experimental probability	125		
List outcomes	58	YES	
Sample space diagrams	126	YES	
Total number of combinations	69		
Probability Tree diagrams	151, 175	YES	
Venn diagrams	127	YES	

Maths Higher Checklist

HIGHER Topic Checklist				
Topic		Mathswatch Clip Number	Key Topic (PRIORITY to revise as regularly in exams)	More likely to be in the non-calculator paper (2nd paper)?
Number				
Negatives		68		
Prime factor decomposition		78	YES	
HCF and LCM		79, 80	YES	
Write bounds / limits of accuracy. Four operations with bounds	P4	132, 155, 206	YES	
Convert between standard form & ordinary numbers, 4 op with standard form	P4	83	YES	YES
Multiplying and dividing decimals		66, 67		YES
BIDMAS	P4	75		YES
Use one calculation to get an answer to another		92		
Use of calculator	P4 Quotient	77		
Estimating and rounding to significant figures		90, 91	YES	
Squares, Cubes, Primes		81		YES
Rules of Indices		82, 131	YES	
Fractional and negative indices		154, 188	YES	YES
Reciprocals		76		
Surds: simplify, expand brackets, rationalise the denominator		207	YES	YES
Fractions, Percentages, Decimals				
Add, subtract, multiply & divide fractions and mixed numbers		71, 73, 74		YES
Order fractions, find fraction halfway between fractions		70		
Convert, order and compare fractions, percentages, decimals	P4	84, 85		
Convert between fractions and recurring decimals		177, 189	YES	YES
Find percentage of an amount - with a calculator	P4	40, 86		YES
Find percentage of an amount - without a calculator		40, 87		YES
Increase/decrease & repeated percentage change	P4	108	YES	
Compound interest and simple interest	P4	111, 164	YES	
Work out what the % change was	P4	109		
Reverse percentage change (find original amount)	P4	110	YES	
Ratio & Proportion				
Ratio: Write in the form 1 : n		106, 107	YES	
Use ratio's given for map scales and scale drawings				
Convert between ratio and fractions/proportion			YES	
Share an amount into given ratio			YES	
Find other missing or total amount			YES	
Combine two ratios together			YES	
Work out how many were added/subtracted to get given ratio				
Proportion - Conversion graphs and amounts eg: currency	P4?	42, 105, 107	YES	
Recipes	P4?	39		
Best buy	P4?	41		
Higher proportion - direct and inverse proportion equations	P4	199	YES	
proportion graphs	P4			
Real life graphs - depth-time graphs	P4?			
- distance time graphs	P4?	143	YES	
Straight line velocity time graphs - distance is area under graph	P4?	216	YES	
acceleration is gradient of line (ms^{-2})	P4?			
Curved velocity time graphs - split area into strips for distance estimate	P4?	216	YES	
draw tangent to get estimate of acceleration	P4?			
Algebra				
Algebraic vocabulary				
Collect like terms		33		
Write & simplifying expressions	P4	34, 35	YES	
Expand a single bracket. Expand & simplify two and double brackets	P4	93, 134		
Expand & simplify triple expressions		178	YES	
Form linear equations & formulae		137		
Solve linear equations	P4	100, 135, 210		
Factorise with a single bracket		94	YES	
Solve a quadratic by factorising	P4	157, 158, 192	YES	
Solve quadratic using the quadratic formula		191	YES	
Roots and turning points of a quadratic		160		
Complete the square and find max/min points		209	YES	
Rearranging formulae / changing the subject		101, 136, 190		
Substitution	P4	95		
Linear sequences and nth terms		102, 103	YES	
Geometric and Fibonacci sequences	P4 (continue sequence)	104, 141, 163		
Quadratic Sequences		213	YES	
Subscript notation & iterative processes		179, 180		
Straight line graphs (gradient, equations, parallel, midpoints)		96, 97, 133, 159		
Perpendicular lines & equation of tangent		208		
Quadratic Graphs	P4	98, 160	YES	
Cubic, reciprocal & exponential graphs		99, 161, 194		
Equation of a circle		197	YES	
Transformation of Graphs		196		
Solving inequalities and number lines		138, 139	YES	
Showing regions satisfying inequalities		198	YES	
Solve quadratic inequalities		212		
Form & solve simultaneous equations	P4	140, 162, 211	YES	
Algebraic Proof & Mathematical reasoning		156, 193	YES	
Simplify algebraic fractions by factorising		210	YES	
Four operations with algebraic fractions		210	YES	

Maths Higher Checklist ...continued

Geometry				
Unit conversions		112		
Compound Measures		142	YES	
Area triangles, parallelograms, trapeziums		54, 55, 56		
Circle parts	P4	116, 149	YES	
Area and circumference of circles		117, 118	YES	
Arc length & areas of sectors		149, 167	YES	
Circle theorems & proofs		183, 184	YES	
Angle of parallel lines		120		
Angles of polygons		123	YES	
Bearings		124		
Column vectors		174		
Symmetry	P4	11		
Transformations (rotation, reflection, translation)		48, 49, 50	YES	
Combined transformations		182		
Enlargements		148, 181		
Constructing triangles		47, 147		
Bisectors & Loci		145, 146	YES	
Similar shapes		144		
LSF, ASF, VSF		201	YES	
Congruency		166	YES	
Surface area		114		
Volume of prisms		115, 119	YES	
Volume of Spheres, Pyramids, Cones		169, 170, 171	YES	
Pythagoras		150	YES	
Right angled trigonometry		168	YES	
Exact trig values		173	YES	YES
3D Pythagoras and trigonometry		217, 218	YES	
Sine and Cosine rule		202	YES	
Area of a non right-angled triangle		203	YES	
Trig graphs		195		
Vectors		219	YES	
Statistics and Probability				
Mean, mode, median, range (mmmr)		62, 130	YES	
Time Series graphs		153		
Scatter diagrams		129	YES	
Venn diagrams		127	YES	
Pie Charts		128		
Cumulative Frequency		186	YES	
Box Plots & comparing data		187	YES	
Histograms		205	YES	
Misleading diagrams				
Sampling		152		
Calculating probabilities including mutually exclusive events		59, 60		
Experimental probability		125		
List outcomes & sample space diagrams		58, 126	YES	
Total number of combinations		69		
Probability Tree diagrams		151, 175	YES	
Venn diagrams		127, 185	YES	
Worded probability Q's (No tree drawn or asked for)		204		



FURTHER MATHS

Head of Mathematics: Mrs E Metcalfe

AQA Level 2 Certificate in Further Mathematics

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 30 Mins

Equipment Required: Calculator, Ruler, Protractor, Compass

TOPIC AREAS TO REVISE

- Coordinate Geometry (inc straight lines & circles)
- Linear, Quadratic and Cubic graphs
- Differentiation
- Nth Term Formulae (inc quadratic)
- Quadratic Inequalities
- Expanding & Factorising (inc factor theorem)
- Simultaneous Equations (3 unknowns)
- Cosine Rule
- Combinations & Counting
- Surds
- Manipulating powers

REVISION RESOURCES/WEB LINKS

- Course Worksheets <https://www.youtube.com/watch?v=iS9YgfrM86U>
- Course Video <https://www.youtube.com/watch?v=iS9YgfrM86U>
- Notes and worksheets from [integralmaths.org](https://www.integralmaths.org) available from Mr Godson and on Teams

Staff Contact Information

Mr G Godson: godsong@nestonhigh.com

MUSIC Practice BTEC

Head of Music: Miss N McAleer

Pearson BTEC Tech Award Level1/Level2 in Music Practice

YEAR 11 Centre Assessed Exam

Number of Papers:

Length of Exam: 2 Hours

TOPIC AREAS TO REVISE

As there is no written Exam in this subject, students will be given a 2 hour block of time under exam conditions to work on/develop coursework.

Staff Contact Information

Head of Music: Miss N McAleer mcaleern@nestonhigh.com



PHYSICAL EDUCATION

Head of PE: Miss D. O'Hare

AQA GCSE (9-1) in Physical Education

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 15 mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

Year 10 Learning topics /Types of Training /Fitness Testing /Components of Fitness /Warmups/Cool downs / Principles of Training /Movement analysis /Aerobic and anaerobic exercise /Body systems /Planes and Axis /Lever Systems /

REVISION RESOURCES/WEB LINKS

[GCSE Physical Education - AQA - BBC Bitesize](#)

CPG for AQA GCSE Physical Education Flashcards/revision book and workbook - *available to buy from school last year and this year (Limited stock)*

Staff Contact Information

Miss K Wallace: wallacek@nestonhigh.com

Mrs E Cairns: cairnse@nestonhigh.com



Sport BTEC

Head of PE: Miss D. O'Hare

Pearson BTEC Level 1/2 First Award in Sport

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 hour

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

- Components of fitness
- Application of components of fitness
- Fitness Testing
- Application of fitness testing

REVISION RESOURCES/WEB LINKS

- Revision bundle available on scopay
- Lesson PowerPoints available on teams

Staff Contact Information

Mr S Kelly: kellys@nestonhigh.com

Mr M Reed: reedm@nestonhigh.com

Mr G Sidwell: sidwellg@nestonhigh.com

RELIGIOUS STUDIES

Head of Humanities: Miss J Duggan
Head of Religious Studies: Ms L Harris

AQA GCSE (9-1) in Religious Studies Specification A

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 45 Mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

- Christianity (Beliefs and Practices).
- Judaism (Beliefs).
- Theme D Religion, Peace and Conflict.

REVISION RESOURCES/WEB LINKS

- Knowledge organisers for each area of revision provided in lessons.
- Planned revision lessons focused on recall of key subject knowledge and exam skill.
- Homework leading up to centre assessed exam will be revision focused. Specific revision tasks will be set.

Weblinks for students:

[Christianity - GCSE Religious Studies Revision - AQA - BBC Bitesize](#)

[Judaism - GCSE Religious Studies Revision - AQA - BBC Bitesize](#)

Staff Contact Information

armstronge@nestonhigh.com

SCIENCE TRILOGY

Head of Science : Mrs S Westoby

AQA GCSE (9-1 Double Award) in Combined Science

YEAR 11 Centre Assessed Exam

Number of Papers: 3 (1x Biology, 1x Chemistry, 1x Physics)

Length of Exam: 1 hour 15 mins

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE

Biology Paper 1

Cells
Organisation
Infection and response
Bioenergetics

Chemistry Paper 1

Atomic structure and the periodic table
Bonding, structure, and the properties of matter
Quantitative chemistry
Chemical changes
Energy changes

Physics Paper 1

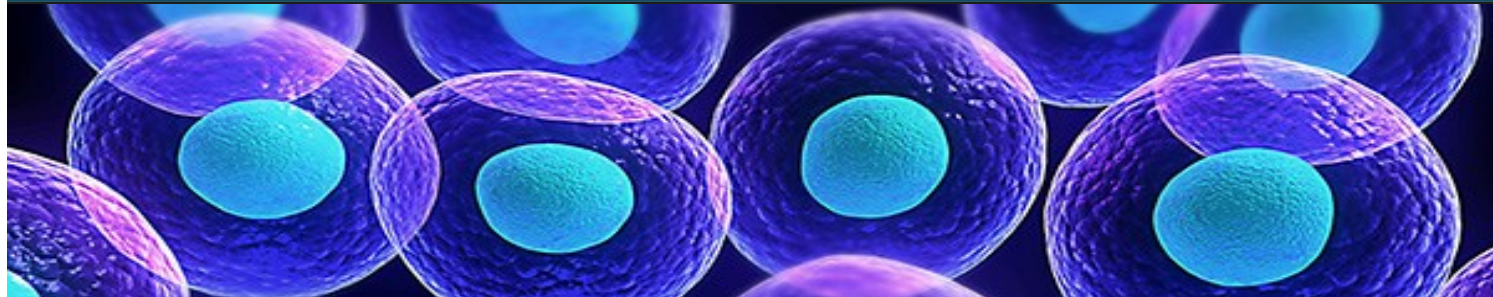
Energy
Electricity
Particle model of matter
Atomic structure

REVISION RESOURCES/WEB LINKS

- Required practical summary sheets and practice exam papers and mark schemes can be found in: **Teams / Science class / Resources - Student / Year 11 notes and resources / Revision**
- Log onto Senecalearning.com and complete the assignments set
- BBC Bitesize Trilogy <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

Staff Contact Information

Mrs E Griffiths: griffithse@nestonhigh.com



BIOLOGY

Head of Science: Mrs S Westoby

AQA GCSE (9-1) in Biology

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 hour 45 mins each

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE

Paper 1

- Cells
- Organisation
- Infection and response
- Bioenergetics
- Ecology
- Homeostasis

REVISION RESOURCES/WEB LINKS

- Required practical summary sheets and practice exam papers and mark schemes can be found in: Teams / Science class / resources - student / Year 10 / Separates / Biology
- Log onto Senecalearning.com and complete the assignments set
- GCSE Biology (Single Science) - AQA - BBC Bitesize
<https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Staff Contact Information

Mrs A McKenzie Head of Biology: mckenziea@nestonhigh.com

CHEMISTRY

Head of Science: Mrs S Westoby

AQA GCSE (9-1) in Chemistry

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 hour 45 mins each

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE Paper 1

- Atomic structure and the periodic table
- Bonding, structure, and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes

REVISION RESOURCES/WEB LINKS

- Use key knowledge sheets in books or teams/ your class/ resources/ key knowledge
- Log onto Senecalearning.com and complete the assignments set
- GCSE Chemistry (Single Science) - AQA - BBC Bitesize (<https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>)
- GCSE Chemistry - Save my exams <https://www.savemyexams.com/gcse/chemistry/aqa/18/>

Staff Contact Information

Mr C Scutter Head of Chemistry: scutterc@nestonhigh.com



PHYSICS

Head of Science: Mrs S Westoby

AQA GCSE (9-1) in Physics

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 hour 45 mins each

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE

Paper 1

- Energy
- Electricity
- Particle model of matter
- Atomic structure

REVISION RESOURCES/WEB LINKS

- Required practical summary sheets and practice exam papers and mark schemes can be found in: Teams / Science class / resources - student / Year 10 / Separates / Physics
- GCSE Physics (Single Science) - AQA - BBC Bitesize
<https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>
- Log onto Senecalearning.com and complete the assignment set by Mr Orme titled Y11 Physics Separates January CAE 1 Revision or follow the link <https://app.senecalearning.com/dashboard/assignments/assignment/058a2d4f-a3e2-47ea-991c-9a0dbf3dbbf3>
-

Staff Contact Information

Mr R Orme Head of Physics: ormer@nestonhigh.com



SOCIOLOGY

Head of Humanities: Miss J Duggan
Head of Sociology: Miss C Vining

AQA GCSE (9-1) in Sociology

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 45 Mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

Paper 1: EDUCATION

- Theories on the role of education
- Processes in schools / subcultures
- Social class and achievement
- Gender and achievement.
- Research methods - Non-participant observation; structured interviews.

Key text - Emile Durkheim

Paper 2: CRIME AND DEVIANCE

- Social control (informal; formal; role of the criminal justice system)
- Gender and crime
- Deviant subcultures
- Media and crime.
- Research methods - ethical issues; sampling; mixed methods.

Key text - Howard Becker.

REVISION RESOURCES/WEB LINKS

- All textbook pages and revision sources are available on MS Teams / student resources.
- GCSE revision guide and workbook:
- TUTOR2U GCSE online revision resources
- <https://www.youtube.com/watch?v=uWN5ymQiUWc>
- <https://www.youtube.com/watch?v=2q8V672gokk>

Collins
AQA GCSE 9-1
Sociology
Complete Revision & Practice

3 books in 1
Revision guide, workbook & practice paper

Staff Contact Information

Head of Department Miss C Vining: vininc@nestonhigh.com

Year 11 Centre Assessed Exams Timetable

Monday 26th January – Friday 6th February 2026

Week A	Monday 26 th January	Tuesday 27 th January	Wednesday 28 th January	Thursday 29 th January	Friday 30 th January
Period 1		BTEC Sport (1Hr) PE (1Hr 15mins)	Maths Paper 1 - Calculator (1Hr 30Mins)	English Language (1Hr 45Mins)	Biology Combined Paper 2 (1Hr 15Mins)
Period 2	Sociology (1Hr 45mins)				Biology Separates Paper 2 (1Hr 45Mins)
Period 3	Normal Lesson	Normal Lesson	Normal Lesson	Normal Lesson	Normal Lesson
Period 4		GCSE Business (1Hr 30mins)	Geography Paper 2 (1Hr 30Mins)	Graphics In Class (2Hrs) Drama (1Hr 45mins)	History Paper 1 (1Hr 20Mins)
Period 5	BTEC Digital IT (1Hr 30mins) Computer Science (1Hr 30mins)	GCSE Business (1Hr 30mins) French Listening & Reading (Foundation 1Hr 20mins, Higher 1Hr 45mins) Photography 11C In Class (2Hrs)	GCSE Business for 2 Clash Students (1Hr 30mins)	German Listening & Reading (Foundation 1Hr 20mins, Higher 1Hr 45mins)	

Year 11 Centre Assessed Exams Timetable

Monday 26th January – Friday 6th February 2026

Week B	Monday 2 nd February	Tuesday 3 rd February	Wednesday 4 th February	Thursday 5 th February	Friday 6 th February
Period 1	Maths Paper 2 – Non-Calculator (1Hr 30mins)	Chemistry Combined Paper 2 (1hr 15Mins)	English Literature Paper (1Hr 45mins)	Physics Combined Paper 2 (1Hr 15Mins)	Maths Paper 3 - Calculator (1Hr 30Mins)
Period 2		Chemistry Separates Paper 2 (1Hr 45Mins)		Physics Separates Paper 2 (1Hr 45Mins)	
Period 3	Normal Lesson	Normal Lesson	Normal Lesson	Normal Lesson	Normal Lesson
Period 4	GCSE Business (1Hr 30mins) Photography 11A In Class (2Hrs)	Textiles In Class (2Hrs) Fine Art In Class (2Hrs) Computer Science (1Hr 30mins)	Engineering (1hr 15mins) RE (1Hr 45mins)	Spanish Listening & Reading (Foundation 1Hr 20mins, Higher 1Hr 45mins)	All MFL Writing (1Hr 15mins)
Period 5					

My Revision Planner



YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY

My Revision Planner



YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY

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