



NESTON
HIGH SCHOOL



YEAR 11

CENTRE ASSESSED EXAM GUIDE

Nov 2022

RSL: Mrs H Bowden
SLT Link: Mrs H Waite

INDEX	Page
Art (Fine Art, Graphic Design, Textiles, Photography, Product Design)	4
Business GCSE	5
Business BTEC	6
Child Development CNC	7
Computer Science GCSE	8
Computing—IT BTEC	9
Construction WJEC Level 1 / 2 Award	10
Dance (Performing Arts) BTEC	11
Drama GCSE	12
Engineering BTEC	13
English Language	14
English Literature	15
Geography GCSE	16
History GCSE	17
Hospitality and Catering L2 Award	18
Languages (French, German, Spanish)	19
Maths	20
PE GCSE	25
PE BTEC (Sport)	26
Religion & Ethics GCSE	27
Science Trilogy	28
Separate Sciences (Biology) GCSE	29
Separate Sciences (Chemistry) GCSE	30
Separate Sciences (Physics) GCSE	31
Sociology GCSE	32
EXAM TIMETABLE	33
My Revision Guide	34
My Notes	35

ART SUBJECTS

Head of Art: Mr M Dolan

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

YEAR 11 Centre Assessed Exam

Number of Papers: 0

Length of Exam: 2 Hours

Equipment Required: Coursework

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:	dolanm@nestonhigh.com
Fine Art :	bracer@nestonhigh.com carleyc@nestonhigh.com
Graphic Design:	carleyc@nestonhigh.com thomash@nestonhigh.com
Textiles:	holdena@nestonhigh.com
Photography:	dolanm@nestonhigh.com storeyj@nestonhigh.com
Product Design:	wilsons@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: 90 minutes

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

reillyp@nestonhigh.com



OCR Level 1/2 CNAT in Enterprise and Marketing

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

- Learning Outcome 1: Understand how to target a market
- Learning Outcome 2: Understand what makes a product or service financially viable
- Learning Outcome 3: Understand product development
- Learning Outcome 4: Understand how to attract and retain customers
- Learning Outcome 5: Understand factors for consideration when starting up a business
- Learning Outcome 6: Understand different functional activities needed to support a business start up

REVISION RESOURCES/WEB LINKS

- BusinessEd - [BusinessEd - Enterprise and Marketing \(2017\)](#)
- Mr Weir's YouTube channel - [Mr Weir's Computer Science - YouTube](#)
- Miss Chamber's YouTube channel - [MissChambersICT - YouTube](#)
- BBC Bitesize "Other" Business page - [GCSE Business - Other - BBC Bitesize](#)

Staff Contact Information

birkett@nestonhigh.com

edwardsl@nestonhigh.com

CHILD DEVELOPMENT

Head of Department: Mr M Dolan

Head of Child Development: Mrs S Griffiths

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

L01 Reproduction, roles and responsibilities of parents

- 1.1 Factors that affect the decision to have children -genetic counselling, age, relationships, finance, social pressure.
- 1.2 Pre-conception health
- 1.3 Roles and responsibilities of parenthood-food-diet and health, clothing, shelter, warmth, sleep.
- 1.4 Contraception-hormone and barrier types, how they work and advantages and disadvantages for each type including reliability.
- 1.5 Male and female reproductive systems-structure and function. The menstrual cycle and how reproduction takes place. Multiple pregnancies, signs and symptoms of pregnancy.

L05 Safety

- 5.1 Identifying Hazards in the home
- 5.2 Safety labelling
- 5.3 Common accidents
- 5.4 Social safety-personal safety- stranger danger

REVISION RESOURCES/WEB LINKS

- Cambridge National Child Development Miranda walker text book page 3-17 and page 61-81.
- My revision notes Cambridge national revision guide
- Revision Sheets and knowledge organisers given in class.

Staff Contact Information

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
- Class notebook

Staff Contact Information

clarec@nestonhigh.com

birkett@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 cloud, a Wi-Fi symbol, a house, a gear, a heart, and two people. A person's silhouette is visible in the foreground, interacting with a glowing circular interface.

IT BTEC

Head of ICT: Mr P Reilly

*Pearson BTEC Level1/2 Tech Award in Digital Information Technology
Information Technology*

YEAR 11 Centre Assessed Exam

Number of Papers: 0

Length of Exam: 2 Hours Coursework

Equipment Required:

TOPIC AREAS

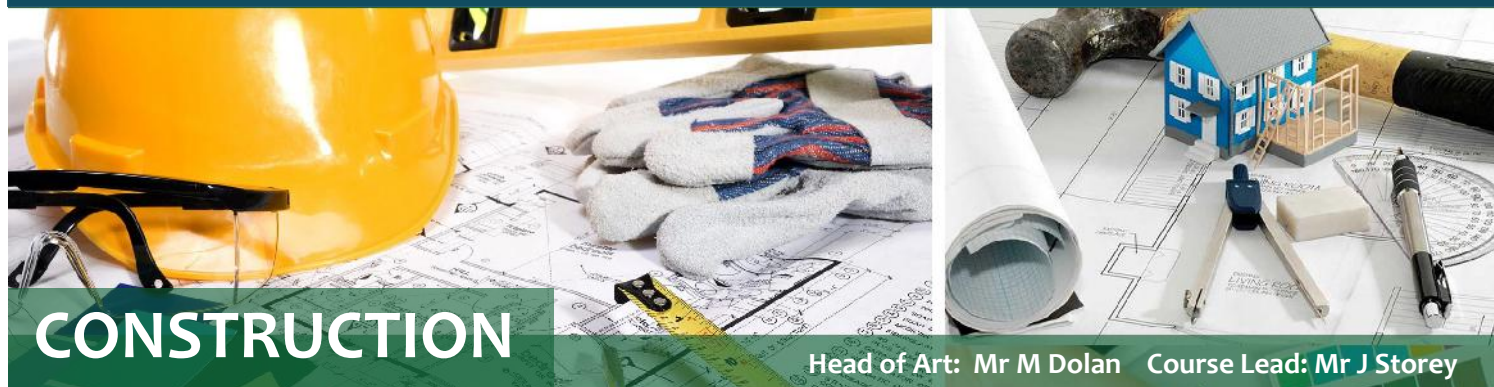
2 hours to complete practical coursework element of the course (Component 2)

REVISION RESOURCES/WEB LINKS

Staff Contact Information

reillyp@nestonhigh.com

clarec@nestonhigh.com



Head of Art: Mr M Dolan Course Lead: Mr J Storey

WJEC Level 1 /2 Vocational Award in Constructing the Built Environment

YEAR 11 Centre Assessed Exam

Number of Papers: 2

Length of Exam: Unit 1 (1 Hour) Unit 3 (1 Hour 30 Mins)

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE


- Unit 1 : Fire extinguishers/ Signage/ Hazards/ Risks/ Control Measures/ PPE/Health & Safety Executive
- Unit 3: Job Roles/ Maths: Area – Volume - Multiplication/Job Sequencing/ Handover of Property.

REVISION RESOURCES/WEB LINKS

- Revision Booklets in Teams
- Past papers in teams
- Podcasts in teams
- Visual annotated handouts

Staff Contact Information

storeyj@nestonhigh.com



DANCE BTEC

Head of PE: Miss D. O'Hare - Course Lead: Mrs E Hazler

BTEC Level 1/Level 2 Tech Award in Performing Arts (Dance)

YEAR 11 Centre Assessed Exam

Number of Papers: 2

Length of Exam: 2 Hours - on computer

Equipment Required: Own notes (up to 2 sides of A4)

Students answer all questions on computer

TOPIC AREAS TO REVISE

Practical Assessment

- Choreographic Devices
- Dance Structures
- Motif Development

Written Assessment

- Choreographic Devices
- Dance Structures
- Motif Development
- Expressive Skills
- Technical Skills

REVISION RESOURCES/WEB LINKS

- Written assessment resources – Year 11 Dance Teams
- Watching professional dancers/choreographers on youtube.
- <https://www.rambert.org.uk>
- <https://www.motionhouse.co.uk>

Staff Contact Information

Head of Dance (Mrs E Hazler)
hazlere@nestonhigh.com

DRAMA

Head of Drama: Mrs L Baillie

AQA GCSE (9-1) in Drama

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 45 mins

Equipment Required: Clean copy of *The Crucible* (supplied by department)
Exam Pencil Case

TOPIC AREAS TO REVISE

- Key drama and theatre terms (text book – to be issued to students)
- Act One and Two of *The Crucible*, use of notes from exercise books and the text book

REVISION RESOURCES/WEB LINKS

- The *Crucible* Play Guide – available in dept.
- Watch *The Crucible* film available on MS Teams
- [Fact File: The Crucible.pdf \(ccea.org.uk\)](https://www.ccea.org.uk/wp-content/uploads/2017/06/Fact-File-The-Crucible.pdf)

Staff Contact Information

bailliel@nestonhigh.com

tebays@nestonhigh.com

ENGINEERING BTEC

Head of Art: Mr M Dolan Course Lead Mr P Link

Pearson BTEC Tech Award in Engineering Level 1 / 2

YEAR 11 Centre Assessed Exam

Number of Papers: 0

Length of Exam: 2 Hour Guided Exam

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

- Data Collection
- Materials
- Properties and Materials.
- 2d Sketching

REVISION RESOURCES/WEB LINKS

- On Teams, under TAB called Exam Prep Materials Folder

After Half term

*G25 - Friday after school Revision will start until the exam **on the 30th of January. 2023***

Staff Contact Information

linkp@nestonhigh.com

ENGLISH LANGUAGE

Head of English: Miss A. Mitchell

AQA GCSE (9-1) in English Language

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 45mins

Equipment Required: Exam Pencil Case, Highlighter Pens

TOPIC AREAS TO REVISE

English Language Paper 2

- Summaries
- Language Analysis
- Comparing Perspectives
- Writing for a viewpoint.

REVISION RESOURCES/WEB LINKS

- SENECA
- BBC Bitesize
- Year group TEAMS Knowledge tests
- Mr Bruff - Youtube

Staff Contact Information

Miss Mitchell – Curriculum Leader of English

mitchella@nestonhigh.com

cavanaghs@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: 1 Hour

Equipment Required: Exam Pencil Case, Highlighter Pens

TOPIC AREAS TO REVISE

- An Inspector Calls

REVISION RESOURCES/WEB LINKS

- SENECA
- BBC Bitesize
- Year group TEAMS Knowledge tests
- Mr Bruff - Youtube

Staff Contact Information

Miss Mitchell – Curriculum Leader of English

mitchella@nestonhigh.com

cavanaghs@nestonhigh.com

GEOGRAPHY

Head of Humanities: Miss J Duggan
Head of Geography: Miss M Jones

Edexcel GCSE (9-1) in Geography

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1 Hour 30 mins

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE

Topic: Coasts

- Landscapes of the UK
- Coastal Processes
- Coastal Landforms
- Coastal Management
- Coastal Flood risk

Coastal Fieldwork

- Methods used from the fieldtrip
- Evaluation of methods
- Data analysis

Topic: Rivers

- River Processes
- River Landforms
- Flooding
- River Management

REVISION RESOURCES/WEB LINKS

- TEAMS – Revision powerpoints available
- TEAMS- Past Questions powerpoint with model answers
- SENECA Learning
- Hard Copies of – Internet Geography tasks in G14

Staff Contact Information

Head of Geography (Miss M Jones)
jonesm@nestonhigh.com

11P1 - Miss M Jones
11P2 - Mr S Jones
11Q1 - Mr S Jones & Miss M Jones
11Q2 - Mrs Prescott
11A - Mrs A Jones



HISTORY

Head of Humanities: Miss J Duggan

Head of History: Mr K Smith

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

Richard and John:

- Kingship and Ruling
- Warfare and Crusades
- Issues of the reign of King John

Whitechapel:

- Issues for policing
- Problems in the Whitechapel area

REVISION RESOURCES/WEB LINKS

- BBC Bitesize
- SAM learning tasks
- Pearson Activelearn
- Richard and John revision bundle (issued via MS Teams)

Staff Contact Information

smithk@nestonhigh.com

salisburyk@nestonhigh.com

robinsonf@nestonhigh.com

bartonk@nestonhigh.com

stratfordc@nestonhigh.com

ormondm@nestonhigh.com

HOSPITALITY & CATERING



Head of Department: Mr M Dolan
Head of Home Economics: Mrs J Jones

WJEC Level1/2 Award in Hospitality and Catering

YEAR 11 Centre Assessed Exam

Number of Papers: 1

Length of Exam: 1Hour 30 mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

- Hotel structure
- Food delivery to a hotel
- Dress code for staff and duties
- Job adverts for staff
- Specialist equipment
- Increased sales in the Catering and Hospitality sector due to major events.
- Accommodation
- Risks/hazards
- COSHH
- Environmental health Officer
- Food storage – legislation
- Food poisoning
- Hospitality provisions – meeting the needs of customers

REVISION RESOURCES/WEB LINKS

- Knowledge organiser for students
- Class notes/text books

Staff Contact Information

ijonesj@nestonhigh.com

bowdenh@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: Listening (1hr) followed by Reading (45mins)
Writing (40 mins)

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

- Me, my family and friends
- Technology in everyday life
- Free-time activities
- Hometown and region
- Social issues
- Global issues
- Travel and tourism
- Revise past, present and future tenses

REVISION RESOURCES/WEB LINKS

- BBC Bitesize AQA for each language: <https://www.bbc.co.uk/bitesize/levels/z98jmp3>
- Quizlet word lists provided by teacher
- Practice questions
- Writing task- revise draft answer
- All AQA topic vocabulary; e.g. for Spanish: <https://www.aqa.org.uk/subjects/languages/gcse/spanish-8698/subject-content/vocabulary>

Staff Contact Information

- Spanish: westona@nestonhigh.com garciaj@nestonhigh.com
- French: lees@nestonhigh.com
- German: pickeringk@nestonhigh.com



MATHEMATICS

Head of Mathematics: Mrs E Metcalfe

OCR GCSE (9-1) in Mathematics

YEAR 11 Centre Assessed Exam

Number of Papers: 3

Length of Exam: 3 x 1hr 15mins

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

Staff Contact Information

Head of Maths

Mrs E Metcalfe - metcalfee@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, $\pm \times$ 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		



PE GCSE

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 /Sport Psychology

REVISION RESOURCES/WEB LINKS

Everlearner website– if you have forgotten your log in, click forget password and an email will be sent to your school email to reset

[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

Curriculum leader: Miss O'Hare

ohared@nestonhigh.com

Mrs Waites GCSE PE Teacher

waitesh@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 15 mins

Equipment Required: Exam Pencil Case

TOPIC AREAS TO REVISE

Components of Fitness – Aerobic endurance, Muscular endurance, Flexibility, Speed, Muscular strength, Body composition.

Skill Related Fitness – Agility, Balance, Co-ordination, Power, Reaction time.

Exercise Intensity – Heart rate, Target zones & Borg scale.

Basic Principles of Training – Frequency, Intensity, Time & Type.

Additional Principles of Training – Overload, Specificity, Adaptations, Individual differences, Reversibility, Variation, Rest and Recovery.

Training Methods – Flexibility, Strength, Aerobic Endurance, Speed and Power.

Fitness Testing – Flexibility, Strength, Aerobic Endurance, Speed, Power, Agility, Muscular Endurance, BMI and Body Fat.

REVISION RESOURCES/WEB LINKS

- All students have been given a **revision booklet**.
- **Past papers** completed in lessons.
- Access to the online revision package "**The Ever Learner**" <https://www.theeverlearner.com>
- **Power points** covering the entire exam syllabus in the BTEC PE Curriculum area.
- Revision materials on **Teams** –
- Revision guide
- Revision flash cards
- Exam question booklet

Staff Contact Information

Mr Kelly – kellys@nestonhigh.com

Mr Sanderson – sandersonp@nestonhigh.com

Mr Sidwell – sidwellg@nestonhigh.com

RELIGIOUS STUDIES

Head of Humanities: Miss J Duggan
Head of Religious Studies: Miss 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

- Religion 1 – Christianity (Beliefs and Practices).
- Religion 2 – Judaism (Beliefs and Practices).
- A detailed checklist and “knowledge organisers” will be provided to students in lessons.

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

harrisl@nestonhigh.com

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: 1hour 15 mins

Equipment Required: Exam Pencil Case, Calculator

TOPIC AREAS TO REVISE

Biology Paper 1

Cell Biology
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 10 / Revision / Trilogy
- Sam Learning Use Sam Learning to revise and for the Paper 1 Science exams www.samlearning.com
Log on instructions are : Centre ID CH64NH Username and password are your date of birth and initials e.g. David Jones 1st August 2008 is written as 010808DJ
- BBC Bitesize Trilogy <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

Staff Contact Information

Mrs G Plimley (Second in charge of Science)
plimleyg@nestonhigh.com

Separate Sciences - 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

- Cell Biology
- Organisation
- Infection and response
- Bioenergetics

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
- **Sam Learning:** Use Sam Learning to revise and for the Paper 1 Science exams www.samlearning.com
Log on instructions are : Centre ID CH64NH Username and password are your date of birth and initials e.g. David Jones 1st August 2008 is written as 010808DJ
- 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

Separate Sciences - 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

- Required practical summary sheets and practice exam papers and mark schemes can be found in: Teams / Science class / resources - student / Year 10 / Separates / Chemistry
- **Sam Learning:** Use Sam Learning to revise and for the Paper 1 Science exams www.samlearning.com
Log on instructions are : Centre ID CH64NH Username and password are your date of birth and initials e.g. David Jones 1st August 2008 is written as 010808DJ
- GCSE Chemistry (Single Science) - AQA - BBC Bitesize
<https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>

Staff Contact Information

Mr C Scutter Head of Chemistry

scutterc@nestonhigh.com



Separate Sciences - 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
- **Sam Learning:** Use Sam Learning to revise and for the Paper 1 Science exams www.samlearning.com
Log on instructions are : Centre ID CH64NH Username and password are your date of birth and initials e.g. David Jones 1st August 2008 is written as 010808DJ
- GCSE Physics (Single Science) - AQA - BBC Bitesize
<https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>

Staff Contact Information

Mr R Orme Head of Physics

ormer@nestonhigh.com



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

EDUCATION:

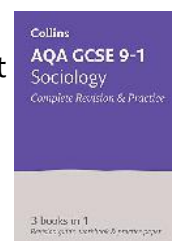
- Theories on the role of education
- Factors within school that affect achievement – class groupings and subcultures
- Class inequality – cultural capital
- Gender and subject choice
- Research methods – statistics; interviews; longitudinal studies
- Key text – Durkheim.

CRIME AND DEVIANCE:

- Social construction of deviance
- White collar crime
- Theories of crime
- Age and crime
- Formal social control
- Research methods – statistics; qualitative methods; observation
- Key text – Carlen.

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



Staff Contact Information

Miss Vining, Head of Department

viningc@nestonhigh.com



Year 11 Centre Assessed Exams Timetable

Monday 28th November – Monday 12th December

	Monday (B) 28 th Nov	Tuesday (B) 29 th Nov	Wednesday (B) 30 th Nov	Thursday (B) 1 st Dec	Friday (B) 2 nd Dec	Monday (A) 5 th Dec	Tuesday (A) 6 th Dec	Wednesday (A) 7 th Dec	Thursday (A) 8 th Dec	Friday (A) 9 th Dec	Monday (B) 12 th Dec
Period 1	English Language 1 hr 45	History 1 hr 20	Maths Paper 1 1 hr 30	Physics 1 hr 45 Single 1 hr 15 Trilogy	English Literature 1 hour	Maths Paper 2 1 hr 30	Chemistry 1 hr 45 Single 1 hr 15 Trilogy	Geography 1 hr 30	Biology 1 hr 45 Single 1 hr 15 Trilogy	Maths Paper 3 1 hr 30	Construction 1 hr 30
Period 2											Graphics 2 hrs (In Class)
Period 3	NORMAL LESSONS										
Period 4	Engineering 2 Hours (Guided Exam)	Religious Studies 1 hr 45	French German Spanish Writing 40 mins	Business BTEC 1 hr 30	PE GCSE 1 hr 15	Food 1 hr 15 Drama 1 hr 45 ICT BTEC 2 hours (In Class)	Computer Science 1 hr 30 Sociology 1 hr 45	Art 1 hr	Photography 2 hrs (In Class)	Business 1 hr 30	Product Design 2 hrs (In Class)
Period 5	Textiles 2 hrs (In Class)			German 1 hr 45	PE BTEC 1 hr 15				Spanish 1 hr 45	French 1 hr 45	Child Development 1 hr 15

My Revision Planner

YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2022



SUNDAY							
SATURDAY							
FRIDAY							
THURSDAY							
WEDNESDAY							
TUESDAY							
MONDAY							
TIME							

My Revision Planner

YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2022

[illegible]

My Revision Planner

YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2022



SUNDAY							
SATURDAY							
FRIDAY							
THURSDAY							
WEDNESDAY							
TUESDAY							
MONDAY							
TIME							

My Revision Planner

YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2022



SUNDAY							
SATURDAY							
FRIDAY							
THURSDAY							
WEDNESDAY							
TUESDAY							
MONDAY							
TIME							

YEAR 11 Centre Assessed Exams

MY NOTES

YEAR 11 Centre Assessed Exams

Things to Remember

Headteacher: Mr K Simpson
Raby Park Road, Neston, Cheshire. CH64 9NH
Tel: 0151 336 3902 www.nestonhigh.com



NESTON
HIGH SCHOOL

YEAR 11
CENTRE ASSESSED
EXAM GUIDE
2022