

Cardinal Heenan Catholic High School

Year 11 Curriculum



English Language and English Literature.....	3
Mathematics	5
Science	7
Science Triple Award	9
R.E.....	11
P.E.....	13
Art.....	15
Design Technology	16
Hospitality and Catering.....	17
Geography.....	18
History.....	20
Computing	22
ICT.....	24
Spanish.....	26
Music.....	27
Drama.....	28
Sociology	30
Business Studies.....	31

Year 11 English Language and English Literature



Subject Leader: C Wright

Year 11 English teachers: T Gibaud, L Fabia, H Moffat, C Wright, C Housbey, S Griffiths, J Stone-Hindle

Examination Board: AQA

Term 1

Topics/Skills covered:

Revising 'Macbeth' (GCSE English Literature Paper 1)

Revising Units 1 and 2 (Writing) (GCSE English Language Papers 1 and 2)

Revising 'A Christmas Carol' and 'Blood Brothers'/'An Inspector Calls' (GCSE English Literature Papers 1 and 2)

Term 2

Topics/Skills covered:

Revising Poetry Cluster 'Power & Conflict' (GCSE English Literature Paper 2)

Revising Units 1 and 2 (GCSE English Language Papers 1 and 2)

General revision and preparation for 'Mock' examinations

Term 3

Topics/Skills covered:

General revision and preparation for 'Mock' examinations

Key words:

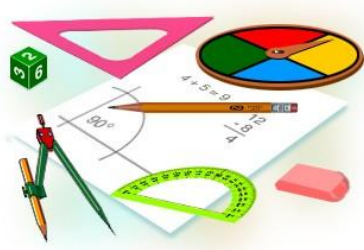
Macbeth: hamartia, peripeteia, catharsis, hubris, rhyming couplet, regicide, laissez-faire, soliloquy, Divine Right of kings, tragic hero, disturbance to the natural world, juxtaposition, hallucinations, Machiavellian, antithesis, motif, assonance, dramatic irony, prophecy, ambition, pathetic fallacy, tragedy

Blood Brothers: laissez-faire, implode/ implodes, nurture vs. nature, nuclear family, colloquialisms, dialect/vernacular, Machiavellian, literal/metaphorical, fatalistic, circle of depravation/cycle of poverty, superstition, facsimile, emotionally stagnated, motif, dramatic irony, tragedy, Recession, proof

A Christmas Carol: Thomas Malthus, Poor Laws, laissez-faire, Dickensian, Christmas, allegory/allegorically, juxtaposition, nuclear family, humanity, metamorphosis, antithesis circle of depravation/cycle of poverty, emotionally stagnated, motif, pathetic fallacy, disabled, social injustice, empathy, Victorian class system, philanthropist/philanthropic, plight of the poor

Assessments take place 3 times a year and results are reported to parents. .

Year 11 Mathematics



Subject Leader: C. Roche

Key Stage 4 subject co-ordinator: O McNally

Year 11 teachers: L. Hughes, L. Marnell, C. Roche, M. Waterhouse, A. Edwards, O. McNally, N. Kimberley, L. Tisdale

Examination Board: Edexcel

Term 1 Foundation

Topics/Skills covered:

Real-life graphs
Transformations
Ratio
Proportion
Right-angled triangles: Pythagoras and trigonometry
Multiplicative reasoning
Plans and elevations
Constructions, loci and bearings
Quadratic equations: expanding and factorising

Term 1 Higher

Topics/Skills covered:

Perimeter, area and circles
3D forms and volume, cylinders, cones and spheres
Accuracy and bounds
Multiplicative reasoning
Solving quadratic and simultaneous equations
Inequalities
Graphs of trigonometric functions
Further trigonometry
Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics

Term 2 Foundation

Topics/Skills covered:

Quadratic equations: graphs

Circles, cylinders, cones and spheres
Fractions and reciprocals
Indices and standard form
Similarity and congruence in 2D
Vectors
Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations

Term 2 Higher

Topics/Skills covered:

Circle theorems
Circle geometry
Changing the subject of formulae (complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof
Vectors and geometric proof
Reciprocal and exponential graphs; Gradient and area under graphs
Direct and inverse proportion

Term 3 Foundation and Higher

Topics/Skills covered:

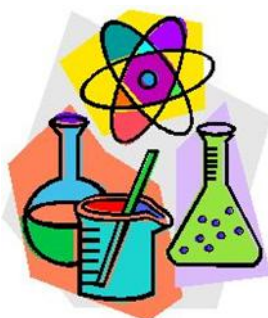
Exam Preparation

Extra Reading/Research: Mathswatch, Mymaths,

Anything else? Problem solving tasks are incorporated into lessons and homeworks. Students are given revision plans in January and are expected to follow the revision timetable with Mathswatch.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Science



Subject Leader: J Prior

Key Stage 4 Co-ordinator: D Boyle

Year 11 teachers: J. Prior, D. Boyle, N. Ashton, J. Lyons, D. Lewis, K. McGunigle, A. Hughes, G. Brown, M. Crawford, C. McCormack

Examination Board: AQA

Core	Additional
B1 (25%)– Keeping healthy, coordination, medicine, adaptation, energy in biomass, variation and evolution	B2(25%) – cells tissues and organs, organisms and their environment, enzymes, energy from respiration, inheritance and old and new species
C1 (25%)– fundamental ideas, rocks and building materials, metals and their uses, crude and fuels, products from oils, plant oils and our changing planet.	C2 (25%) – structure and bonding, structure and properties, quantitative chemistry, rates and energy and salts and electrolysis.
P1 (25%)– energy transfer, using energy, electrical energy, generating electricity and waves	P2 (25%)– motion, forces, work, energy and momentum, current electricity, mains electricity, radioactivity and energy from the nucleus
25% - controlled assessment	25% controlled assessment

Term 1

Topics/skills covered:

C2 unit
Additional ISA Day

Term 2

Topics/skills covered:

Core GCSE science revision

Term 3

Topics/skills covered:

Additional GCSE science revision

Extra Reading/Research

Each student in year should now have a Science revision guide which contains all the content for both core and additional GCSE qualifications.

<http://www.bbc.co.uk/education/subjects/zrkw2hv>

<http://www.my-gcse-science.com/>

<http://www.aqa.org.uk/subjects/science/steps-to-success-in-science/revision-materials>

<https://www.youtube.com/user/myGCSEscience>

<http://revisionworld.com/gcse-revision>

https://www.cgpbooks.co.uk/interactive_gcse_science

Keyw ords:

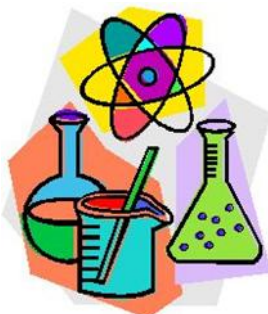
Photosynthesis
Chloroplasts
Plant minerals
Aerobic respiration
Anaerobic
respiration
Enzymes
Mitochondria
Osmosis
Neurone
Biomass
Amino acid
Double blind trial
Heterozygous
Homozygous
Isomerase

Proton
Neutron
Electron
Atomic Number
Exothermic
Endothermic
Activation energy
Calcium Carbonate
Chromatography
Covalent bond
Ionic bond
Metallic bond
Neutralisation
Isotope
Giant lattice
Nanoscience
PH scale

Acceleration
Alpha radiation
Alternating current
Beta radiation
Chain reaction
Collision theory
Diode
Drag force
Elastic potential energy
Filament bulb
Force
Friction
Half life
Kinetic energy
Gravitational field strength
Neutron star
Hooke's Law

Assessments take place 3 times a year and results are reported to parents.

Year 11 Science: Triple Award



Subject Leader: J Prior

Key Stage 4 Co-ordinator: D Boyle

Year 11 teachers: N. Ashton

Examination Board: AQA

Biology	Chemistry	Physics
B1 (25%)– Keeping healthy, coordination, medicine, adaptation, energy in biomass, variation and evolution	C1 (25%)– fundamental ideas, rocks and building materials, metals and their uses, crude and fuels, products from oils, plant oils and our changing planet.	P1 (25%)– energy transfer, using energy, electrical energy, generating electricity and waves
B2(25%) – cells tissues and organs, organisms and their environment, enzymes, energy from respiration, inheritance and old and new species	C2 (25%) – structure and bonding, structure and properties, quantitative chemistry, rates and energy and salts and electrolysis.	P2 (25%)– motion, forces, work, energy and momentum, current electricity, mains electricity, radioactivity and energy from the nucleus
B3 (25%)– exchange of materials, transporting materials, maintaining internal conditions, how humans affect the environment	C3(25%) – periodic table, water, energy calculations, analysis and synthesis and organic chemistry	P3 (25%)– medical application of physics, using physics to make things work and using magnetic fields to keep things moving.
25% - controlled assessment	25% controlled assessment	25% controlled assessment

Term 1

Topics/skills covered:

B3 biology, including transporting materials and maintaining internal conditions (the heart, kidneys and lungs including Dialysis) and the implications of advances in medicine. Human impact on the environment includes a focus on climate change and sustainable resources

Term 2

Topics/skills covered:

Physics in medicine and theories of applied physics including lenses and cameras and principles of applied forces and using physics to make things work.

Term 3

Topics/skills covered:

Exam techniques and exam preparation including revision of all core modules B1, C1 and P1 and then the additional modules B2, C2 and P2. Pupils will be encouraged to attempt as many past paper examinations as possible and attend exam cram sessions before school Tuesday mornings).

Extra Reading/Research

Each student in the class has had the opportunity to purchase Biology, Chemistry and Physics revision guides for each of the three qualifications.

<http://www.bbc.co.uk/education/subjects/zrkw2hv>

<http://www.my-gcse-science.com/>

<http://www.aqa.org.uk/subjects/science/steps-to-success-in-science/revision-materials>

<https://www.youtube.com/user/myGCSEscience>

<http://revisionworld.com/gcse-revision>

https://www.cgpbooks.co.uk/interactive_gcse_science

Assessments take place 3 times a year and results are reported to parents.

Year 11 Religious Education



Subject Leader: S Miller

Year 11 teachers: R Campbell, R McCrink, S Saleh, A Kennedy, K Smyth, B Kelly-Ince, T Harrison

Examination Board: AQA and Edexcel

Subject Content

1. Catholic Christianity
2. Perspectives on faith

Paper 1: Catholic Christianity:

What is assessed?

Catholic beliefs, teachings, practices, sources of authority and forms of expression in relation to six topics:

- creation
- incarnation
- the Triune God
- redemption
- church
- Eschatology.

How it's assessed

- Written exam: 1 hour 45 minutes
- 96 marks (plus 5 marks for spelling, punctuation and grammar)
- 50% of GCSE

Paper 2: Perspectives on faith:

What is assessed?

Judaism

- Beliefs and teachings
- Practices

Two religious themes:

Theme A – Religion, relationship and families

Theme B – Religion, Peace and Conflict

Theme C – Religion, Human Rights and Social Justice

How it's assessed

- Written exam: 1 hour 45 minutes
- 96 marks (plus 5 marks for spelling, punctuation and grammar)
- 50% of GCSE

Assessments take place 3 times a year and results are reported to parents.

Year 11 PE



PE Subject Leader: N O'Hare

Year11 PE teachers: I Forgie, T Phipps, P Aspinall, P Sellwood, W Townson, N O'Hare, L Johnson, D Hanwell.

Examination Board: AQA

Course Outline

Paper 1: The human body and movement in physical activity and sport	Paper 2: Socio-cultural influences and well-being in physical activity and sport	Practical performance in physical activity and sport
<p>What's assessed</p> <ul style="list-style-type: none"> Applied anatomy and physiology Movement analysis Physical training Use of data 	<p>What's assessed</p> <ul style="list-style-type: none"> Sports psychology Socio-cultural influences Health, fitness and well-being Use of data 	<p>What's assessed</p> <ul style="list-style-type: none"> Students are assessed as a player/performer in three different activities. Plus Written/verbal analysis and evaluation of performance
<p>How it's assessed</p> <ul style="list-style-type: none"> Written exam: 1 hour 15 minutes Total: 78 marks 30% of GCSE 	<p>How it's assessed</p> <ul style="list-style-type: none"> Written exam: 1 hour 15 minutes Total: 78 marks 30% of GCSE 	<p>How it's assessed</p> <ul style="list-style-type: none"> Internal assessment, external moderation Total: 100 marks 40% of GCSE

At Key Stage 4, during core PE, students have the opportunity to choose a more personalised pathway of participation that suits their needs and interests. In all pathways, students take part in health activities and leadership in football, handball badminton, cricket, athletics

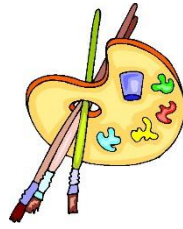
Throughout the remainder of the pathway, students either build on or further develop their abilities in activities following on from Key Stage 3.

A continuous programme of extracurricular activities runs throughout the year in a range of sports. The programme changes to suit the seasons and is available to all pupils.

Activities for Intra and Inter Form competitions include: football (11 aside and 5 aside), rugby (union and league), cricket, athletics, basketball, handball, cross country, table tennis and badminton. Students also have access to the Lifestyle gymnasium each night between 3pm and 4pm to look at improving their own physical fitness and strength conditioning.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Art



Subject Leader: P Dougan

Year 11 teachers: C Gillmore, A Murphy

Term 1

Topics/Skills covered:

Candidates will revisit both units of course work (from Year 10). They will develop further artist links and influences, apply a wider range of materials, develop ideas further and strengthen final outcomes.

Term 2

Topics/Skills covered:

Students will begin a 6 week preparation period for a practical exam, which will take place over 10 hours in late February. They choose from 7 themes as a starting points for a 'mini project'. They will research the theme, take inspiration from relevant artists and cultures, and develop ideas in a range of materials before sitting a final exam where they will produce a creative practical outcome.

Term 3

Topics/Skills covered:

Students will present all work for moderation, selecting carefully and ensuring that the portfolio of work is a true representation of their artistic ability.

Extra Reading/Research

There will be suggested artists to research both on the exam paper and in discussion with art staff as work develops.

Anything else?

In KS4 the art rooms are available before and after school each night to further extend the quality of coursework.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Design Technology



Subject leader: P Dougan

Year 11 teachers: P Melia, S Williams,

Term 1

Topics/Skills covered:

Candidates finish their controlled assessment (NEA).

Term 2

Topics/Skills covered:

Candidates concentrate on exam preparation, building on the knowledge and understanding touched on in discreet theory lessons.

Term 3

Topics/Skills covered:

Candidates concentrate on exam preparation, building on the knowledge and understanding touched on in discreet theory lessons.

Anything else?

In KS4 the DT rooms are available before and after school each night to further extend the quality of coursework.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Hospitality and Catering



Subject Leader: J Mortimore

Year 11 Hospitality and Catering teachers: J Donegan, J Mortimore

Examination Board: WJEC

Term 1

Topics/Skills covered:

- International cuisine
- Primary research
- Secondary research
- Analysing a brief
- Effective communication
- Record keeping

Term 2

Topics/Skills covered:

- Analysis of research
- Evaluation techniques
- Costing
- Nutritional content
- Conserving energy
- Planning a menu
- Catering establishments

Term 3

Topics/Skills covered:

- Nutrition
- Specialist equipment
- Job roles
- Cooking & preparation

Assessments take place 3 times a year and results are reported to parents.

Year 11 Geography



Subject Leader: P Melanaphy

Year 11 teachers: P Melanaphy, A Slaughter

Examination Board: AQA

Term 1

Topics/Skills covered:

Controlled Assessment - Students will spend time completing a fieldtrip and controlled assessment on tourism in the Lake District. The investigation is on a honeypot site within a locality. Students will complete an investigation using a number of geographical methods including traffic and pedestrian counts, questionnaires, land use surveys and environmental quality surveys. This work will then be written up and moderated as 25% of the students GCSE grade.

Skills Covered: Using sources, GIS, graphs, Statistics, Patterns, Collecting information, diagrams, Hypothesis, Conclusions, evaluating,

Term 2

Topics/Skills covered:

Coastal Zone – Students study how the coast is shaped by weathering, mass movement, erosion, transportation and deposition. They will understand that distinctive landforms result from different processes. They will study how rising sea level have important consequences for people living in the coastal zone. They will understand that coastal erosion can lead to cliff collapse. This causes problems for people and the environment. They will discuss how the coast should be managed and debate the costs and benefits of 'hard' and 'soft' engineering. They will understand that coastal areas provide a unique environment and habitat and that there is a need for conservation and that this leads to conflict with other land uses.

Skills covered: Diagrams, drawing maps, Graphs, patterns, written communication, map skills and grid referencing.

Term 3

Topics/Skills covered:

Revision

This term focuses on honing geographical skills covered in Years 9 and 10 and revising the topics of Restless earth, Water on the Land, Coastal Zone, Population Studies, Changing Urban Environments and Tourism.

Extra Reading/Research

- AQA GCSE Geography by Simon Ross
- GCSE Geography AQA-A Revision Guide by CGP Books
- GCSE Geography AQA-A By Catherine Hurst
- Understanding GCSE Geography by Ann Bowen & John Pallister

Assessments take place 3 times a year and results are reported to parents.

Year 11 History



Subject Leader: Mr Duffy

Key Stage 4 subject co-ordinator: Mr Duffy

Year 11 teachers: N Davies, C Duffy, J Leech

Examination Board: AQA

Term 1

Topics/Skills covered:

Controlled Assessment Tasks

This term is devoted to completing two pieces of controlled assessment, which use sources to investigate Britain at War in both World Wars.

- CA1 – The War at Sea

Explain how useful sources have been in informing an enquiry into the roles played by the Royal Navy in the War at Sea in the two World Wars.

- CA2 – Technology in the Wars

‘New technology brought two different kinds of warfare to British campaigns in Western Europe. In the First World War there was stalemate and mass slaughter. In the Second World War there was movement and, as a result, much fewer casualties.’

Term 2

Topics/Skills covered:

War in Vietnam, 1954 – 1975

- How effective were guerrilla tactics during the Vietnam War?
- How did the coverage of the Vietnam War in the USA lead to demands for peace?
- Why were the US actions to end the Vietnam War unsuccessful?

Term 3

Topics/Skills covered:

This term is devoted to exam technique and revision of all the GCSE content covered in years 9, 10 and 11.

Extra Reading/Research: Pupils have access to In-school produced bespoke revision guides

Key Words: Domino theory, containment, 17th parallel, Ho Chi Minh Trail, guerrilla warfare, operation Rolling Thunder, Agent Orange, Napalm, Search and Destroy.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Computing



Subject Leader: J Mitchard

Year 11 teachers: N Kimberley and A Daniel

Term 1

Topics/Skills covered: Unit A453: Programming Project

Students will need to:

- Understand standard programming techniques
- Be able to design a coded solution to a problem including the ability to:
 - Develop suitable algorithms
 - Design suitable input and output formats
 - Identify suitable variables and structures
 - Identify test procedures.
- Create a coded solution fully annotating the developed code to explain its function
- Test their solution:
 - To show functionality
 - To show how it matches the design criteria
 - Identifying successes and any limitations.

Term 2

Topics/Skills covered: Unit A451 – Computer systems and programming

- Fundamentals of computer systems
- Hardware
- Software
- Representation of data in computer systems
- Databases
- Computer communications and networking
- Programming

Term 3

Topics/Skills covered:

Exam Revision

Extra Reading/Research

<http://www.bbc.co.uk/education/subjects/z34k7ty>

<https://www.cambridgegcsecomputing.org/register-as-a-learner>

<http://www.teach-ict.com/>

Assessments take place 3 times a year and results are reported to parents.

Year 11 – GCSE ICT



Subject Leader: J Mitchard

Year 11 teachers: J Mitchard

Term 1

Topics/Skills covered: Unit 2: Using Digital Tools (Controlled Assessment)

This is a practical unit. Students broaden and enhance their ICT skills and capability. They work with a range of digital tools and techniques to produce effective ICT solutions in a range of contexts. They learn to reflect critically on their own and others' use of ICT and to adopt safe, secure and responsible practice.

- Topic 1. Research and information gathering
- Topic 2. Modelling
- Topic 3. Digital publishing
- Unit 2: Using Digital Tools
- Topic 5. Working efficiently and safely

Term 2

Topics/Skills covered:

In this unit students explore how digital technology impacts on the lives of individuals, organisations and society. They learn about current and emerging digital technologies and the issues raised by their use in a range of contexts (learning and earning, leisure, shopping and money management, health and wellbeing and on the move). They develop awareness of the risks that are inherent in using ICT and the features of safe, secure and responsible practice. The digital world is a rapidly changing one, with developments in both the technology and the way in which it is used. The content of this unit is specified using generic categories, avoiding the use of specific terms that will date.

Topic 6. Issues

- Security
- Privacy
- Health and safety
- Legal and ethical
- Environmental

Term 3

Topics/Skills covered:

Exam Revision

Extra Reading/Research

<http://www.bbc.co.uk/education/>

<http://www.teach-ict.com/>

Anything else?

Students should be encouraged to keep up-to-date with emerging technology as part of their learning experience. Technology updates will be provided on the Edexcel website.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Modern Foreign Languages



Subject Leader: A Bower

Currently being updated.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Music



Subject Leader: C Mulligan

Year 11 teachers: C Mulligan

Examination Board: AQA

Term 1

Topics/Skills covered:

- * Concerto through time – The baroque, classical and romantic concerto and the key characteristics of each period.
- * The concerto grosso.
- * Relationship between the solo instruments and the orchestra and the development of instruments over time.
- * Solo and ensemble performances.
- * Composition 2 started.

Term 2

Topics/Skills covered:

- * Completion of composition one and two.
- * Completion of final solo and ensemble performances.
- * Revision of all areas of study in preparation for the listening exam.

Term 3

Topics/Skills covered:

- * Revision and past papers in preparation for the listening and appraising exam.

Extra Reading/Research: Each pupil will receive instrumental lessons on the instrument of their choice. It is expected that they will practice between 5 and 7 days per week.

Key Words: instruments and timbre; pitch and melody; rhythm and metre; tempo; dynamics, expression and articulation; texture; structure, phrasing and cadences; harmony and tonality; repetition, sequence and imitation; ornamentation.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Drama



Subject Leader: D Jones

Year 11 teachers: D Jones, E Charlton

Examination Board: Edexcel

Term 1

Your son will sit 20% of his GCSE during a performance to a visiting examiner this term.

Topics/Skills covered: Component 3 Texts in practice

Polishing a performance
Using rehearsal techniques
Characterisation
Production Arts
Interpreting a text
Scene transitions

Term 2

Topics/Skills covered: Component 1 Understanding Texts

The social, cultural and historical context in which the performance texts studied are set
The theatrical conventions of the period in which the performance texts studied were created.
How to construct an exam answer
Live theatre evaluation

Term 3

Topics/Skills covered: Component 1 Understanding Drama

Exam questions

Revision of texts
Character analysis
Quotes and plot structure
Production Arts and the text
Evaluating live theatre

Extra Reading/Research

<http://www.bbc.co.uk/education/subjects/zbckjxs>

Key Words:

Proscenium Arch, Gobo, SFX, LX, montage, annotate, research, zeitgeist, inner character, conflict, mise - en - scene

Anything else? Attend extra-curricular activities such as workshops, masterclasses and theatre trips. Participate in school productions

Assessments take place 3 times a year and results are reported to parents.

Year 11 Sociology



Subject Leader: K White

Year 11 teachers: K White

Term 1

Topics/Skills covered:

Revisit units from Years 9 and 10 (Key concepts and processes of cultural transmission and Sociological research methods) with emphasis on exam technique.

Term 2

Topics/Skills covered:

Revisit units from Years 9 and 10 (Education and the Family) with emphasis on exam technique.

Term 3

Topics/Skills covered:

Revisit units from Years 9 and 10 (Crime and Deviance and Social Differentiation and Stratification) with emphasis on exam technique.

Extra Reading/Research:

Pupils are expected to work through bespoke workbooks and complete exercises.

Assessments take place 3 times a year and results are reported to parents.

Year 11 Business Studies



Subject Leader: L Fox-Ford

Year 11 teachers: L Fox-Ford

Term 1

Topics/Skills covered:

Unit 1: Revision

Unit 1: Mock exam

Term 2

Topics/Skills covered:

IFS Level 2: Full Unit 1 and 2 delivery

IFS External Exams Units 1 and 2

GCSE Unit 4: Full Revision

Unit 4: Mock Exam

Term 3

Topics/Skills covered:

IFS Unit 3: Full Unit delivery

IFS Unit 3: External exam

IFS Units 1-3: resits

GCSE External Exams Units 1 and 4

Extra Reading/Research: IFS “myifslearning” website

Key Words: entrepreneur, budgeting, profit, environmental issues, ethical, impact, saving, borrowing, rate of interest, inflation, types of tax, Boom and Bust, economic systems, personal allowance

Assessments take place 3 times a year and results are reported to parents.

