



Billingham Campus School & Arts College

Join the RAF



**Final Revision Advice for
Year 11 Students**

**Raising Attainment
Programme 2008 - 2009**

Dear Pupils

Well done! As a year group you are making great progress overall and deserve a pat on the back for your hard work.

This booklet contains **Revision Guidance** from each subject area. You have also been given a **Timetable** which provides details of the dates, times and duration of the mock examinations. Your booklet contains details of revision topics and suitable preparation strategies for each subject area. This information has been compiled on the basis of providing '**Final Revision Advice for Year 11 Pupils**'. This means that it contains guidance covering all of our courses and that it is suitable for use in your preparations for the mock and summer examinations.

Your support is essential in helping us ensure you reach your potential. All pupils will be provided with a copy of this revision guide. Individual subject areas will provide revision materials to help pupils. You are advised to work at home for a minimum of two and a maximum of three hours per day in the period before the examinations. You are advised to study for the equivalent of half a day at weekends. Trying to maintain a work life balance and a daily routine of study remains the best advice. All pupils should **keep files** for each subject so that good revision materials are not lost after the mock examinations.

You will receive your results on our **Mock Results Day on the 9th January 2009**. A final **Parents Evening will be held on the 29th January** when subject teachers will be available to provide advice and guidance on how to achieve the best GCSE results.

Finally I would like to remind you all to keep a sense of perspective in the build up to the mock and summer examinations and not to worry about them. The forthcoming examinations are another opportunity to have a practice before the real GCSE's start. Try to follow advice and do your best.

Many thanks for your continued support and hard work!

Mr Houlgate
Head of Upper School

CONTACT DETAILS

If you have any concerns regarding the forthcoming examinations, please do not hesitate to contact any of the following staff at the school.

Tel: 01642 560947

Mr Houlgate	Head of School
Mr Chapman	Year Assistant

Subject Leaders:

Maths	Mr Johnson
Science	Mr Burgess
English	Mrs Read
History	Mr Hetherington
Beliefs & Values	Mr Simpson
Geography	Mr Langridge
ICT	Mr Featherstone
PE	Mr Usher
Art	Mrs Legge
Technology	Mr Dickinson & Mrs Yardley
Foreign Languages	Mrs Hicks
Music	Mrs Davison
Drama	Mrs Swanson
Curriculum Support	Mrs Howells
Learning Support	Mrs Martin

Alternatively please do not hesitate to contact your child's subject teacher or tutor directly.

Revision Tips

Steps to Success!

1. Plan/timetable revision sessions.
2. Revise actively (test yourself/each other) **make notes/revision cards**, draw mind maps etc.)
3. Learn plenty of **specific detail**.
4. Fill gaps in learning by **asking for extra help**.
5. Answer the question that is set.
6. Take CARE to **read the questions carefully**, read the detail on graphs and maps.
7. Be calm and confident, do your best (easier said than done!).
8. Practice examination questions.
9. Keep files of your revision for future exams.

MATHS—Foundation

Revision Topics

FOUNDATION Paper 1	FOUNDATION Paper 2
Basic arithmetic Rounding Fractions Co-ordinates and shape Circles Pictograms Estimation Negative numbers Averages Factors, multiples and square numbers Squares and square roots Percentages + - X / fractions Sequences Simplifying expressions Area Expanding brackets Angles Bearings Stem and leaf diagrams Scatter diagrams	Reading tables Bar charts Angles Estimation Properties of shapes Sequences Congruence Naming shapes Perimeter and area Averages Interest and money Pie charts Mean from a table Volume and surface area Drawing straight line graphs Algebraic expressions Cylinders

Suggested Strategies

www.bbc.co.uk/schools/gcsebitesize

Use the internet to revise — www.mymaths.co.uk

Username: **billingham**

Password: **codes**

Each topic should be ticked off so you can see you are making progress.

Plan/timetable your revision.

Do not leave revision to the last minute.

Revised topics should be reviewed regularly, as this aids memory.

MATHS - Higher Paper

Revision Topics

Nth term

Multiplying out brackets

Simplifying

Solving equations

Factorising both linear and quadratics

Drawing straight lines on a graph

Powers and indices

Percentages – increase and decrease

Express one number as a percentage of another

Compound interest

Standard form

Rounding including significant figures

Estimation

Fractions – fractions of amounts, addition, subtraction, multiplication

Convert fractions to decimals and decimals to fractions

Prime factors, Highest Common Factor and Lowest Common Multiple

Maximum and minimum value

Surds

Coordinates and midpoint

Area of shapes to include triangles, rectangles, parallelograms, circles and compound shapes.

Circumference of circles and associated shapes

Volume and Surface Area of cuboids and prisms to include cylinders

Angles in triangles and polygons to include interior and exterior

Mean, mode, median and range

Estimate of mean from a grouped frequency table

Cumulative frequency and box plots

3 point moving average

Histograms

Sampling

Stem and leaf diagrams

Scatter graphs

Suggested Strategies

Use the internet to revise — www.mymaths.co.uk

Username: **billingham**

Password: **codes**

ENGLISH

Revision Topics

- Poems from Other Cultures
- Writing Skills
- Argue, Persuade, Advise
- Inform, Explain, Describe

Suggested Strategies

Compare poems/texts through themes, structure, language, culture, tone, subject, layout.

Practice GCSE questions

Plan answers from a list of past exam questions

Revisit poems

Mind map the key themes, ideas and quotes.

Visit the BBC Bitesize revision on the net.

Keep all your revision sheets together in a file.

SCIENCE

Revision Topics

Continue revision on topics

B4 – B5
C4 - C5
P4 - P5

} EXAMS IN JANUARY

B6
C6
P6
Ideas and
Evidence paper

} EXAMS IN JUNE

Use materials and strategies from lessons.

Access extra materials and links from Science website. (My Desktop)

Use feedback from assessments and practice tests to set personal targets for revision and evaluate progress.

Visit Science Revision resources at

<http://www.billinghamcampus.stockton.sch.uk>

Click on Science link on home page.
Links to SAM Learning & BBC Bitesize

French and German

Revision Strategies

The main area of focus between now and the final exams in June 2009 needs to be vocabulary recognition to allow you to access the reading and listening papers.

A very thorough preparation booklet will be given out in January 2009 to prepare you for the speaking exams which will take place on the 11th and 12th May 2009. In terms of revision out of school, learning vocabulary off by heart needs to be the focus. The more words you know and can recognise, the better you will perform in the exams.

Your vocabulary booklet is an important resource. Set yourself a target of learning ten new words a day. Work your way through the booklet – highlight words as you learn them off by heart – get relatives to test you. Ten words per night between now and June next year is a lot of new words learned!! It is all about small, manageable steps.

The following websites are all excellent for revision and exam practice – use them.

www.klar.co.uk

GCSE German – free for students after 4pm and weekends.

www.linguastars.com

GCSE French and German –

user name **bcampus**

password **berlin**

ICT

Revision Topics

There will be additional materials on Mr Stokers website at <http://www.billinghamcampus.stockton.sch.uk/home/nstoker/GCS>

E-Revision/

ICT are making available a CD with revision materials on, as well as a revision book. There is an index on the CD, as well as a free viewer for PowerPoint if your computer does not already have PowerPoint installed.

Hardware	
Pupils must be familiar with the difference between input and output devices, storage devices and types of memory. They should know the difference between storage and memory. Book p6-8.	
Pupils should be aware of what a computer virus or trojan is. They should be able to identify ways of minimising the risk when using a computer	
Software	
Applications	Pupils must be aware of the generic terms Word Processor, Spreadsheet, Desk Top Publishing and Database. They should understand what the applications are used for. Book p28-38.
Data Processing	Pupils need to understand how to design data capture forms. Book p46-47 They need to understand data validation and when it will be done. Book p48-49
Control	Pupils should be able to control a robot Turtle. Section on CD Presentation.
Computers in Society	
Data Protection Act	You should be aware of the Data Protection Act, who it covers, the rights data subjects have, responsibilities of data users and the eight principals of the Data Protection Act. Book p80.
Health & Safety	You should be aware of health risks when using ICT, and how to reduce the risk. Book p76.
Computer mis-use Act	You should be aware of the ethical issues involved in "hacking" computers and sharing computer accounts. Book p78
The Internet	What effect has the Internet made on society? You need to be aware of benefits and problems. P84-,91

HEALTH & SOCIAL CARE

Unit 1 (Year 11 January – May)

Health, Social Care and Early Years Provision

- The range of care needs for client groups.
- The types of services that exist to meet client group needs and how they are organised.
- The ways people can obtain care services and the barriers that can prevent people from gaining access to services.
- The main work roles and skills of people who provide health, social care and early years services.
- The values that underpin all care work with clients.

Unit 2 (Year 10 Jan - May)

Promoting Health and Well-Being

- Definitions of health and well-being.
- Common factors that affect health and well-being and the different effects they have on individuals and groups across the lifespan.
- Methods used to measure an individual's physical health.
- Ways of promoting and supporting health improvement for an individual or small group.

Unit 3 (Year 11 January - May)

Understanding Personal Development and Relationships

- The stages and pattern of human growth and development.
- The different factors that can affect human growth and development.
- The development of self-concept and personal relationships.
- Major life changes and how people deal with them.
- The role of relationships in personal development.

HEALTH & SOCIAL CARE

Unit 1

Health, Social Care and Early years Provision

A portfolio assessment on how the needs of two individuals from two different client groups may be met by service providers in their local area.

Unit 2

Promoting Health and Well-being

A portfolio assessment containing a plan for improving or maintaining the physical health and well-being of an individual

Unit 3

Understanding Personal Development and Relationships

A written examination consisting of short answer and structured free response questions on this unit only

FOOD TECHNOLOGY

Topics to be covered

1. Carry out research into the
 - Processing of fresh milk
 - Functions of ingredients and standard components used to make milk based desserts

2. Find out about
 - The responsibilities of employers and food workers that relate to food hygiene and safe working practices
 - Different types of hazards and how these are controlled during food production

3. Consider how
 - Initial ideas can be developed into final products
 - Different ingredients can be used in cold desserts, to give multi-cultural and sensory appeal.

4. Investigate the packaging and safe storage of food products.

Topics will be covered using a variety of techniques which include:

Use of internet for market research

Product appraisal – looking at existing products and their packaging, tasting and testing

Production of a cold dessert product on a large scale to ensure a standard quality of product is achieved

For Higher Paper only

- The use of data logging in food manufacture.
- The risks of food poisoning

Pupils will need to provide all of the usual writing/drawing equipment as well as coloured pencils NOT felt tip pens.

Engineering

Revision Topics

- Electronic and Electrical sector
- Manufacturing processes
- Soldering Iron Workstations
- Information and Communication Technology
- Systems and Control Technology

Suggested Strategies

Students will be given revision booklets which they will work through.

Use the Engineering text books available.

They should look at existing products and what materials are used to make soldering irons.

Students should access the following websites:

BBC Bitesize
Technology student.com

Remember to keep all notes in your file for future exams.

GRAPHICS

Revision Topics

Design briefs and specifications

Research methods

Product analysis

Packaging nets

Use of suitable imagery

Materials

Manufacturing of product

Evaluation

Suggested Strategies

Students will be given a preparation sheet which is to be studied carefully.

They should use the Graphic Product text books available.

They should research existing CD packaging and note the type of information that is displayed on the sleeve.

Students should access relevant revision web sites, such as Bitesize, Technologystudent.com, Helenhudspith.com etc.

Keep all notes in your file/folder as they will be needed for future exam preparation.

RESISTANT MATERIALS

Revision Topics

The theme will be “outdoor picnic furniture” and will include work on:-

- Design specifications
- A ‘design’ question
- Use of ICT
- Manufacturing the picnic furniture (Marking out/Cutting Out/Joining/Finishing)

- Health & Safety
- Types of fixings
- Materials
- Mechanisms (Bikes)
- Ergonomics
- ‘Smart’ Materials
- Social Moral & Environmental issues

Suggested Strategies

Pupils will be given a “Preparation Sheet” this is to be studied carefully.

Research & prepare 3 designs for outdoor picnic furniture. Use the internet for existing products.

Use BBC Bitesize revision page for Resistant Materials on the net but stick to the topics given.

Keep all of your notes in a file for use with the final exam.

Geography

Suggested Strategies

Look at the electronic 'Revision Folder 2' in Year 10 Revision Folder on the shared documents Geography. There are lots of files, folders etc for help.

Look at the Avery Hill website for past paper practice.

<http://www/ngfl-cymru.org.uk/ah-home-htm>

(There is a link from the Revision Folder 2).

Summarise Knowledge of topics.

Use mind maps and visual triggers to remember information.

Revisit topics

Practice sketching out learned mind maps or list key words.

- Practice GCSE Questions using past papers.
- Make a plan of your answers.
- Consult your teacher if you have any difficulties with a topic.
- Visit BBC Bitesize revision on the Net.

Keep all revision in a file for the mock examinations and develop your revision methods

Revision Topics

Geographical Skills
Ordnance Survey Maps Human Geography – Plans and Photos Describing Maps and Charts Types of Graphs and Charts

Climate, Environment & People	Pg	Water, Landforms & People	Pg
Weather and Climate	1	The Hydrosphere	20
Measuring and Recording Weather	2	Drainage Basins	21
Identifying Weather Patterns	3	The Storm Hydrograph	22
World Climate Zones	4	Water Demand and Supply	23
Pressure Systems – Lows and Highs	5	Water Management	24
Hurricanes	6	Flooding in MEDCs and LEDCs	25
Effects of Weather on People	7	Flood Control Hard Engineering	26
People Affect Weather	8	Flood Control Soft Engineering	27
Ecosystems	10	Water Shortage	28
Ecosystems as Resources	11	Erosion, Transportation & Deposition	30
Different Sized Ecosystems	12	River Features of the Upper Stages	31
Changing Ecosystems	13	River Features of Middle & Lower Stages	32
Effects of Ecosystem Change	14	Case Studies	33
Ecosystem Management	15	Coastal land from Erosion	34
Weather and Ecosystems	17	Coastal Land forms from Deposition	35
		Managing Coasts	36
		Humans and Natural Landforms	37
		Management and Conflict	38
		Revision Summary	40

People and Places	pg	People, Work and Development	pg
MEDC Urban Environment	41	Employment in LEDCs and MEDCs	59
LEDC Urban Environment	42	Employment Opportunities	60
Urban Socio-Economic Structures	43	Chang Employment Opportunities	61
Urban Housing in MEDCs	44	Measuring Development	63
Urban Services in MEDCs	45	Contrast in Development	64
The Changing Urban Environment	47	Environmental Problems and	65
Urban Planning	48	Development	
Population Growth	50	Dependency and the Colonial past	66
Population Structure	51	International Trade	67
Managing Population Growth	52	The Question of Aid	68
Migration	53	Development Projects	69
Counter Urbanisation	54	Appropriate Tech & Fair Trade	70
Planning and the Rural-Urban Fringe	55	Classification of Industry	72
Revision Summary	57	Location of Industry	73
		Changing Industry	75
		Multinationals	77
		Economic Activity and Environment	79
		Environmental Conflict	80
		Managing Conflict	81
		Managing Resources	82

HISTORY

Revision Topics

The complete History syllabus is included below. Use History the pack 'Everything you wanted to know about history' - available free at school.

Option B Paper 1

Social Reform

Poor Law and Poverty, 1750—1900

Public Health, 1750—1900

Option C Social Improvements

Education 1750—1900

Philanthropic and Religious Movements, c.1738—1900

Option A Paper2

Agriculture, 1700—1900

The Agrarian Revolution, 1700—1815

The Corn Laws and their Repeal, 1815—1846

The Golden Age, c1850—c1870

The Depression, c1870—c1900

Option C Transport

Road Transport, 1700—1850

Water Transport, 1700—1850

Railways 1800—1900

Suggested Strategies

Summarise knowledge of topics. Use mind maps and visual triggers to remember information.

Revisit topics. Practice sketching out learned mind maps or list key words. Try telling the story of a topic to another person.

Practice GCSE questions using past papers. Make a plan of your answers.

Consult your teacher if you have any difficulties with a topic.

Visit BBC Bitesize revision on the Net.

Keep all revision in a file for the summer examinations and develop your revision methods.

BELIEFS AND VALUES

Revision Topics

- Arguments for and against the existence of God.
- Design, First Cause, Big Bang, Evolution, Genesis etc.
- The Nature of God omnipotent, omnipresent, omniscient etc, plus personal, impersonal, imminent, transcendent.
- Revelation, special and general.
- War and Peace, The Just War Theory. Holy War and Jihad. Peace and Pacifism, relative and absolute, Martin Luther King
- Absolute and Relative morality.

Suggested Strategies

Summarise knowledge of topics. Use mind maps and visual triggers to remember information.

Revisit topics. Practice sketching out learned mind maps or list key words.

Try telling the story of a topic to another person.

Practice GCSE questions using past papers. Make a plan of your answers.

Use the revision guide that has been provided for you by your teacher.

Consult your teacher if you have any difficulties with a topic.

Visit BBC Bitesize revision on the Net.

Keep all revision in a file for the mock examinations and develop your revision methods.

DRAMA

The GCSE Drama exam consists of three modules:

Unit 1 Paper 1—The study of a theme

Unit 1 Paper 2—The study of a play text

Paper 2—Performance

Drama students will have exams in the Summer term of Year 10 several weeks before their other exams and also in October and May of Year 11.

The nature of the Drama exams requires a different kind of revision:

Looking at the Explorative Strategies we have used and how to implement them effectively within the drama exploration.

Students also have to demonstrate an understanding of how Elements of Drama and Drama Medium Skills work.

After each practical workshop students are required to complete a 6-12 side portfolio of evidence to evaluate the work they did in each workshop. This is marked by their teacher then sent to an Edexcel moderator.

Paper 2—Performance is marked by an external examiner from Edexcel.

MUSIC

Revise the following vocabulary for the listening exam. The exam will be 1 hour 15 minutes and there will be 9 questions based on the topics we have covered this year:

Music for Dance / Music for Film/The Popular Song/Music for Special Events

<p><u>Musical Styles</u> Rock 'n' Roll Soul Musical Theatre Minuet Polka Ballad Folk Rock <u>Musical Elements</u> Dynamics Tonality Pitch Rhythm Timbre / Instrumentation Tempo <u>Keys</u> Chromatic Atonal Major Minor Pentatonic <u>Guitar Techniques</u> Distortion Reverb Echo</p>	<p><u>Voice Parts</u> Soprano Alto Tenor Bass <u>Grace Notes</u> Acciaccatura Mordent Trill Turn <u>Musical Form</u> Binary Ternary Rondo Variation <u>Tempo Markings</u> Largo Moderato Presto <u>Key Signatures</u> G major D major A major <u>Time Signatures</u> 2 3 4 4 4 4 <u>Note Values</u> Basic note values Dotted note values</p>	<p><u>Cadences</u> Perfect Imperfect Interrupted Plagal <u>Musical Devices</u> Cross-Rhythms Ostinato Slash Chords Drum Fill Ascending Scale Glissando Muted Brass Broken Chords Timpani Roll Sequence Drone Pedal Fugue Descant Imitation Canon Riff Syncopation Pizzicato</p>
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ART—GCSE

Art Controlled Test			
Name:		Tutor Group:	
		Work to be done	Tick
A01	Research	1x brainstorm, 1x Theme Board A collection of images and drawings, with words relevant to your idea	
A01	Recording	At least 2x Observational drawings of objects relevant to your idea. You must use different media.	
A02	Artist Research	Decide on at least one artist that inspires you. Make connections between their work and yours. Show this connection in drawings and short notes.	
A03	Compositions Don't forget to include your artist connection	1) Use your theme board to create four small compositions. Use different media.	
		2) Develop one idea into an A4 composition.	
		3) Decide on & produce a composition in the medium you intend to use.	
A03	Final Composition Plan and Explanation	Take your best idea and develop it into a final composition that can be used in your exam. Give your composition a title and say how it answers the question.	
75% of the marks are gained with good preparation work All the above work is the minimum you must do for your exam. Good consistent planning is essential.			

Art Club is open every Break, Lunch and after school apart from a Friday night.

Mrs Legge and Mr Beasley run regular workshops for students to succeed with prep work during after school art clubs

P.E. GCSE Theory

Revision Topics

General Fitness

Skeletal Systems (Bones, Joints etc)

Muscular System (Muscles, Movement)

Circulatory System (Heart, Blood Vessels)

Respiratory System (Breathing in exercise)

Effects of exercise on the body (especially Heart & Lungs)

Immediate effects of exercise

Long term benefits of exercise

Skills (Open, Closed, Basic, Complex)

Motivation and mental preparation

Components of Fitness (Fitness Tests)

Suggested Strategies

Use work in your exercise book, plus (if you have internet access.) BBC Bitesize (Physical Education).

Revision and online tests

Analysis & performance/motivation

Applied anatomy & physiology

Exercise & training effects

Factors affecting performance