



Year 10 Mock Examination Information June 2025

You should cross out subjects where mock exams do not apply to you.

Name:

Useful links:

How to manage you time Procrastination – How to Beat it

STAR Workshop Session 1STAR Workshop Session 6STAR Workshop Session 2STAR Workshop Session 7STAR Workshop Session 3STAR Workshop Session 8STAR Workshop Session 4STAR Workshop Session 9STAR Workshop Session 5STAR Workshop Session 10



Contents:
Maths
English Literature
English Language
Combined Science Biology & Physics
Triple Science Biology
Triple Science Physics
RE
History
Geography
Computer Science
Business
French

PE



Maths

You will need the following equipment for your Maths examinations:

- Black pen (please have a spare)
- Pencil
- Ruler (with lines to measure)
- Pencil
- Eraser
- Highlighter
- Scientific calculator for Paper2 and Paper

<u>Assessment Dates and length of Assessments:</u>

Wednesday 18th June: 1hr 30 mins
 Monday 23rd June: 1hr 30 mins
 Wednesday 25th June: 1hr 30 mins

Area of curriculum assessed: 10Ma1 and 10Ma2 sit Higher Papers

Foundation	P1	P2	Р3	Higher	P1	P2	Р3
Convert FDP	х	Х	х	Scatter graphs			Х
Fraction of a shape				Standard form			Х
Order decimals		Х		Water rates/litres/gallons			Х
Ordering fractions		Х		Fibonacci sequence			Х
Directed numbers	х			Multiply decimals	х		
Order of operations		Х		Divide by a decimal	х		
Solve one or two step equation	Х			Venn diagrams	х		
Problems with time			Х	Fractions addition/subtraction	Х		
Speed, distance, time			Х	Sharing in a ratio	Х		Х
Pie charts		Х		Volume of a prism	Х		
Factors/multiples/square numbers		Х	X	Percentage increase/decrease	х		
Angle facts		Х	Х	Surface area cube/sphere	Х		
Reflection		Х		Quadratic equations solve with factorising	х		
Using your calculator		Х		Cumulative frequency	Х		
Coordinates, midpoint, draw line			Х	Recurring decimals	Х		



Fractions of amounts		X	X	Inequalities on a number line		X	
Conversion graphs		Х		HCF LCM		Х	
Two-way tables			Х	Evaluate/Simplify indices	Х		
Using scale on a grid/map		Х	Х	Solve equations with indices			Х
Money problems	Х		Х	Working with indices	Х		
Rounding and estimating	X	X		Area and estimation of compound shape			
Expand, simplify and factorise expressions	Х	Х	X	Distance/Time graph		Х	
Ratio, fraction and percentage	Х		Х	Co-ordinate problem			Х
Recipe problem	Х			Draw quadratic graph		X	
Transformations			х	Pythagoras		x	
Form and solve equation	Х	Х		Ratio with algebra			X
Perimeter	Х			Trigonometry		Х	
Sequences	Х		Х	Functions			
Multiply decimals	х			Rate of flow/time graph			X
Divide by a decimal	х			Combinations		X	
Fractions	Х			Sketch graphs of Direct/inverse proportion			X
Volume and surface area of cuboids/prisms/spheres	Х			Direct/Inverse proportion			Х
Frequency trees		Х		Similar triangles			Х
Probability			Х	Error interval			Х
Venn diagrams	Х			Trigonometry		Х	
Stem and leaf diagram			Х	Simplifying algebraic fractions	Х		
Scatter graph			Х	Probability	Х		Х
Percentage increase/decrease Profit/loss	X			Probability with algebra			X
Indices	Х	Х		Shading inequalities on a graph	Х		
Area of a circle			Х	Growth and decay			Х
Naming 2-D and 3-D shapes	Х			Forming expressions/equations	Х		



Frequency tables/charts	Х	Х	Х	Quadratic Simultaneous equation			Х
Area of a square/triangle			Х	Area of a trapezium with trigonometry and ratio	X		
Pictograms	X			Working with surds	X		
Draw linear graph y=mx + c	Х			Equation of a circle	X		
Error interval	Х			Co-ordinates of a turning point	X		
Unit conversion		х	Х	Mass/density/volume		Х	
HCF LCM		Х		Cumulative frequency		Х	
Inequalities on a number line		X		Box plots		X	
Standard form			Х	Compound interest		Х	
Distance/Time graph		Х		Equation of a line		Х	
Drawing a quadratic graph Using to find estimates		X		Expand and simplify triple brackets		X	
Pythagoras		Х	Х	Circle theorems		Х	
Trigonometry		X		Using Sine rule, Cosine rule area of a triangle		X	
Reverse percentage		Х		Iteration		Х	
Area of a sector			Х	Histograms		Х	
Sketching graphs			Х	Graph of y=sin x		Х	
				Similar shapes volume and ratio		X	
				Harder probability		Х	
				Bounds		Х	
				Area of a sector		Х	+
				Vectors			X
				Area under a graph			Х
				Dividing algebraic fractions			X
				Angle proof			X



English Literature

You will need the following equipment for your English Literature examination:

- Black pen (please have a spare)
- Highlighter

Assessment Date and length of Assessment:

• Tuesday 10th June: 1 hour 45 mins

Area of curriculum assessed: Macbeth and Jekyll and Hyde

What you will need to revise for this assessment:

Revision guides for all areas.

Knowledge Organisers and homework booklets

BBC Bitesize revision and podcasts: GCSE English Literature - AQA - BBC Bitesize



English Language

You will need the following equipment for your English Language examination:

- Black pen (please have a spare)
- Highlighter

Assessment Date and length of Assessment:

• Tuesday 17th June : 1 hour 45 mins

Area of curriculum assessed: Explorations in Creative Reading and Writing (creative/descriptive writing)

What you will need to revise for this assessment:

Revision guide.

Knowledge Organisers and homework booklets.

BBC Bitesize revision and podcasts: GCSE English Language - AQA - BBC Bitesize



Combined Science Biology

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

• Tuesday 17th June: Combined Science Biology 1 hr 10mins

FOUNDATION

Topic	Revision guide page
1. Cells	11
2. Enzymes	15
3. Enzymes in breakdown and synthesis	17
4. Mitosis	20
5. Stem cells	22
6. The Nervous system	23
7. Synapse and reflexes	24
8. Meiosis	26
9. DNA	27
10. Natural selection and evidence for evolution	32
11. Fossil evidence for human evolution	33 and 34
12. Selective breeding	36
13. Health and disease	39
14. Fighting disease	41
15. Antibiotics and other medicines	43
16. Non-communicable disease	44



HIGHER

Topic	Revision guide page
17. Cells	11
18. Microscopy	13
19. More on microscopy	14
20. Enzymes	15
21. More on enzymes	16
22. Enzymes in breakdown and synthesis	17
23. Mitosis	20
24. Cell division and growth	21
25. DNA	27
26. The Human Genome Project	31
27. Fossil evidence for human evolution	33 and 34
28. Health and disease	39
29. Fighting disease	41
30. Memory lymphocytes and immunisation	42
31. Antibiotics and other medicines	43



Combined Science Physics

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

• Tuesday 24th June: Combined Science Physics 1 hr 10mins

FOUNDATION

Topic	Revision guide page
1. Acceleration	146
2. Distance/Time graphs	147
3. Velocity/Time Graphs	148
4. Investigating Motion	151
5. Stopping distances and reaction time	155
6. Energy stores	156
7. Reducing unwanted energy transfers	159
8. Waves basics	164
9. Measuring waves	165
10. Electromagnetic waves	168
11. Microwaves and infrared	170
12. More uses of EM waves	171
13. The Model of the Atom	172
14. Nuclear equations	175
15. Background radiation and contamination	177



HIGHER

Topic	Revision guide page
16. Acceleration	146
17. Distance/Time graphs	147
18. Velocity/Time Graphs	148
19. Newton's first and second Laws	149
20. Weight and circular motion	150
21. Inertia and Newton's third Law	152
22. Momentum	153
23. Change in momentum	154
24. Energy stores	156
25. Efficiency	158
26. Reducing unwanted energy transfers	159
27. Waves basics	164
28. The Model of the Atom	172
29. Electron energy levels	173
30. Isotopes and nuclear radiation	174
31. Nuclear equations	175
32. Half life	176



Triple Science Physics

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

• Thursday 24th June: Physics 1 hr 45mins

Assessment overview

A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

Calculators may be used in the examination.

GCSE Physics 1

Topic 1 – Key concepts of physics, Topic 2 – Motion and forces, Topic 3 – Conservation of energy, Topic 4 – Waves, Topic 5 – Light and the electromagnetic spectrum, Topic 6 – Radioactivity

Topic	Higher Tier
Acceleration	13
Distance/time graphs	14
Velocity time graphs	15
Weight and circular motion	17
Inertia and Newton's third law	19
Momentum	20
Changes in momentum	21
Stopping safely	23
Energy stores	24
Reducing unwanted energy transfers	27
Wave basics	32
Wave behaviour at boundaries	34



Sound	35
Ultrasound	36
Reflection	38
Lenses	41
Emitting and absorbing EM radiation	44
More uses of EM waves	47
Electron energy levels	50
Nuclear equations	52
Half life	53
Background radiation and contamination	54
PET scanning and radiotherapy	56
Nuclear fusion and nuclear power	58
Red shift and CMB radiation	61



Triple Science Biology

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

• Tuesday 17th June: Chemistry 1 hr 45mins

Assessment overview

A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

Calculators may be used in the examination.

GCSE Biology

Biology 1 HIGHER

Topic 1 – Key concepts in biology, Topic 2 – Cells and control, Topic 3 – Genetics, Topic 4 – Natural selection and genetic modification, Topic 5 – Health, disease and the development of medicines

Topic	Higher Tier
Cells	12
Microscopy	14
More microscopy	15
Enzymes	16
Cell division and growth	25
Asexual and sexual reproduction	33
DNA	34
Protein synthesis	35
The work of Mendel	37
Genetic diagrams	38



The human genome project	43
Natural selection and evidence for evolution	45
Natural selection and evidence for evolution	45
Darwin and Wallace	46
GMOs and human population growth	53
Health and disease	55
Viruses and STIs	56
Plant diseases	57
Fighting disease	58
Antibiotics and other medicines	62
Investigating antibiotics and antiseptics	63



RE

You will need the following equipment for your RE examination:

• Black pen (please have a spare)

Assessment Date and length of Assessment:

• Thursday 19th June: 1 hour 30 mins

Paper 1: Foundational Catholic Theology

Section 1: Origins and Meaning

What you will need to revise for this assessment:

Paper 1: Foundational Catholic Theology

Origins and meanings

- Origins of the universe
- The Big Bang theory and the theory of

evolution

- The sanctity and value of human life
- Creation in the Bible (Genesis 1&2)
- Tree of life (religious art)
- Interfaith dialogue
- Catholic charities (CAFOD & SVP)
- Catholic Social Teaching

Good and Evil

- Trinity
- Good evil and suffering (St Augustine)
- Problem of evil
- Natural law
- Incarnation
- Jesus and moral authority
- Sculpture and Statues (La Pieta)



- Pilgrimage
- Popular Piety (the rosary)

Revision Tools

My Revision Notes WJEC EDUQAS GCSE Religious Studies Route B Paperback BY Andrew Barton Revision videos 'RE Beck' You Tube

Satchel One

Class books



History

You will need the following equipment for your History examinations:

- Black Pen x 2
- Highlighter (optional)

Assessment Dates and length of Assessments:

Tuesday 3rd June: Paper 1 1 hr 20 mins
 Monday 23rd June: Paper 2 1hr 30 mins

Area of curriculum assessed:

- Paper 1: Medicine in Britain c.1250-present day and Medicine on the Western Front
- Paper 3: Weimar and Nazi Germany

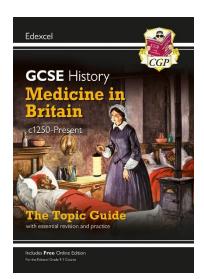
Paper 1 – Medicine in Britain

c.1250-1500: Medicine in Britain in Medieval England

- Disease and the Supernatural
- Rational Explanations
- Treating Disease
- Case study: The Black Death

c.1500-1700: The Medical Renaissance in England

- The Renaissance
- Vesalius and Harvey
- Sydenham
- Transmission of Ideas: Printing Press and Royal Society
- Case study: The Great Plague



c.1700-c.1900: Medicine in the 18th and 19th Century:

- Case study: Vaccination and Jenner
- The Germ Theory
- Developments in Nursing
- Anesthetics
- Antiseptics
- Case study: John Snow and Cholera
- The Public Health Act



c.1900-Present: Medicine in Modern Britain

- Modern Ideas of the Causes of Disease
- Developments in Diagnosis
- Case Study: Penicillin
- Modern Treatments
- Modern Surgery
- NHS
- Governments role in Healthcare
- Case study: Lung Cancer

The British Sector of the Western Front, 1914-1918:

- Trench warfare
- The RAMC and the FANY
- Conditions in the trenches
- Wounds and injuries
- Developments in Surgery and Medicine
- Types of sources

What questions will I be asked?

Section A = Western Front
1a. Describe one features of [2 marks]
1b. Describe one features of [2 marks]
2a. How useful are Sources A and B for an enquiry into [8 marks]
2b. How could you further investigate Source A (or B) to learn more about [4 marks]
Section B: Thematic Study
3. Explain one way that in period were different (or similar) to in the period [4 marks]
4. Explain why [12 marks]
5. "" How far do you agreement with the statement? [16 +4]



Paper 2 – Weimar and Nazi Germany

The Weimar Republic, 1918-1929

- The War Ends
- The Weimar Republic
- Early unpopularity (Treaty of Versailles)
- Years of Unrest (Spartacists, Kapp Putsch, Hyperinflation)
- Recovery and the Golden Age
- Changes under the Weimar Republic

Hitler's Rise to Power, 1919-33

- Early Stages of the Nazi Party (DAP)
- The Munich Putsch
- The Wall Street Crash and the Great Depression
- The Rise of the Nazis
- Hitler becomes Chancellor Jan 1933

Nazi Control and Dictatorship, 1933-39

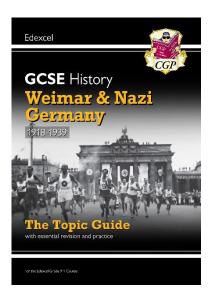
- Achieving Total Power Hitler becoming Fuhrer (August 1934)
- The Machinery of Terror (Police State)
- Propaganda

Life in Nazi Germany

- Attitudes Towards the Church
- Opposition
- Work and Home
- Young People
- Nazi Discrimination

What questions will I be asked?

- 1. Give two things you can infer from Source A about ... [4 marks]
- 2. Explain why ... [12 marks]
- 3a. How useful are Sources B and C for an enquiry into ... [8 marks]
- 3b. What is the main difference between interpretation 1 and 2? [4 marks]
- 3c. Why do interpretations 1 and 2 differ?
- 3d. How far do you agree with interpretation ____ about _____? [16+4]





Geography

You will need the following equipment for your Geography examinations:

- Black Pen x 2
- Pencil
- Ruler
- Calculator

Assessment Date and length of Assessment:

Friday 20th June: Paper 1 - 1hr 45 mins
 Tuesday 24th June: Paper 2 - 1hr 30 mins

Area of curriculum assessed:

Paper 1

Theme 1 – Features of a CBD, what are pedestrianised areas, shopping – Problems with CBDs, attractions of retail parks. Threshold population – what is it? Impacts of changing retail location on people and urban environment.

Long question 'Challenges of living in all global cities are the same.' Do you agree/disagree?

Theme 2 – Erosion Types, Waterfall formation, Storm Hydrographs, Urbanisation and flooding,

Long question evaluating opinions on flood management – using the sources.

Theme 3 - Reading a climate graph, Calculating the range, why can vegetation survive in semiarid grasslands? Name how we can manage another ecosystem (rainforest). Explain how humans increase risk of desertification

Long question – evaluate strategies for managing desertification

Paper 2

Problem Solving Paper with an essay at the end question at the end. It is divided into 3 sections. It will be based on Desertification. You will have an opportunity to see how a paper looks in class .

What you will need to revise for these assessments:

- Red books / Workbooks
- Knowledge Organisers (Given out in class)
- Revision Guides
- Access the centralised revision hub on SharePoint which has everything you need to succeed. Click on the link:

https://livestantonys.sharepoint.com/sites/Year11RevisionMaterials



Computer Science

You will need the following equipment for your Computer Science examination:

- Black Pen x 2
- Pencil
- Rubber
- Ruler

Assessment Dates and length of Assessments:

• Friday 20th June: 1hr 30mins

Area of curriculum assessed:

Paper 1 - Computer Systems

- · 1.1 Systems architecture
- · 1.2 Memory and storage
- · 1.3 Computer networks, connections and protocols
- · 1.4 Network security
- · 1.5 Systems software
- · 1.6 Ethical, legal, cultural and environmental impacts of digital technology

What you will need to revise for this assessment:

- · Blue CGP Revision Guide
- · Google Classroom resources (Knowledge Organisers, Lesson Slides)
- · OCR Past papers (available printed from me or digitally on the OCR website)



Business

You will need the following equipment for your Business examination:

- Black pen (please have a spare)
- Pencil
- Calculator

Assessment Date and length of Assessment:

• Wednesday 18th June

1 hour 30 mins

Area of curriculum assessed: Paper 1 – business activity, marketing and people

What you will need to revise for this assessment:

- Characteristics of an entrepreneur
- Business objectives
- Purpose of business planning
- External stakeholders
- Advantages and disadvantages of being a Sole Trader
- Business Growth
 - o Mergers (and benefits of them)
 - o Takeovers (and benefits of them)
- Research
 - o Methods of secondary research
- The role of the marketing department
- Market research
 - o Focus groups
 - o Advantages/disadvantages of customer trials
 - Use of market data
- Benefits of market segmentation
- Pricing strategies (Competitor pricing, cost-plus pricing, penetration pricing and promotional pricing)
- Life cycle chart and names of each of the sections
- Wholesalers
- What is loss leading
- Benefits of tall organisational structures
- Benefits of flat organisational structures
- Communication methods and their advantages
- Training
 - o On the job training and its disadvantages
- Staff development
- Staff retention methods



- External recruitment
- Non-financial methods of motivating employees
- Profit sharing with employees
- Employment law
- Different ways of working



French

You will need the following equipment for your French examinations:

• Black pen (please have a spare)

Assessment Dates and length of Assessments:

• TBC: Speaking

• Thursday 19th June: Listening (F – 35m, H – 45m) Reading (F - 45 m, H – 1h)

Wednesday 25th June: Writing (F - 1h 10m, H – 1h 15m)

What you will need to revise for this assessment:

Area of curriculum assessed:

You will be assessed on Modules 1 to 4 from the Pearson coursebook for AQA

Module 1 – Free-time (technology, TV and hobbies)

Module 2 – Family and Friendships (daily routine, friendships and celebrity idols/role models)

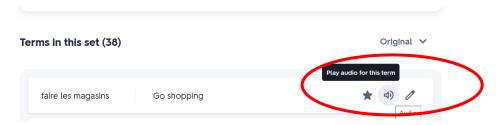
Module 3 – School Life (subjects, school rules, comparing primary and ideal school)

Module 4 – Healthy Living (food and mealtimes, feeling well/unwell, living a healthier way)

You should revise the following for each paper:

Listening

The vocab list from the paper. On the sheet and on Quizlet. Be sure to use the sound icon to listen to each item. You will only need to know this French to English



https://quizlet.com/gb/1038268627/higher-listening-vocab-revision-end-of-year-10-assessment-flash-cards/?i=x4syb&x=1jqt

https://quizlet.com/gb/1038269248/foundation-listening-vocab-revision-end-of-year-10-assessment-flash-cards/?i=x4syb&x=1jqt



Reading

The vocab list from the paper. You will only need to know this French to English

https://quizlet.com/gb/1034719160/foundation-reading-vocab-revision-end-of-year-10-assessment-flash-cards/?i=x4syb&x=1jqt

https://quizlet.com/gb/1034720012/higher-reading-vocab-revision-end-of-year-10-assessment-flash-cards/?i=x4syb&x=1jqt

Writing

<u>Foundation</u> - You will complete a photocard, 50-word writing, grammar multiple choice, 5 x translations into French. Choice of 90 word.

You should revise:

- vocabulary for a photocard about celebrations,
- language for the 50 word on school life, revise verb endings for ER/IR and RE verbs in the present tense, revise how to form the perfect tense and the near future tense.
- For the 90 words you will be required to write across three-time frames on the topic of technology or food and drink and dining out.

<u>Higher</u> – You will complete 5 x translations into French, a choice of 90 words and a choice of 150 words.

- You should revise modal verbs (have to/can) for the translations; devoir, pouvoir.
- Revise the simple future tense (I will), and the perfect tense. (Use thelangugegym)
- For the 90 words please see guidance for the foundation paper.
- For the 150 word, you will be required to show a range of language including different tenses, vocabulary and structures including justified opinions, 3rd person verbs (he/she) and plural (we/they) plus modal verbs (want/can/must). You will choose across two topics either education or keeping fit.

Speaking

You will complete a short conversation approx. 3 to 4.5 minutes (F-H)

This will cover the questions you have prepared so far in your booklets. You will not be able to use your booklets.

To revise you should create flashcards with your Q&As written out in French and English to practice. Practice with a friend or family member.



GENERAL REVISION RESOURCES.

Everything you have prepared in your speaking booklet is useful for the writing. The better you know your speaking answers the more ideas you will have for the writing paper!!!

Your CGP revision guide – useful for vocabulary, grammar and quick quizzes for each topic. You also have digital access to this guide.

<u>www.thelanguagegym.com</u> – useful for revising verb endings and tenses as well as vocabulary

<u>www.quizlet.com</u> – useful for revising the vocabulary you have been taught on each sentence builder plus the vocab lists for the listening and reading paper.

https://quizlet.com/join/j7juFcCnh?i=x4syb&x=1bqt

Make sure you are in the St. Antony's GCSE French class



Art

You will need the following equipment for your Art examination:

- Black pen (please have a spare)
- Art Materials (prepared and know what you intend to use)
- Your plan
- Your sketchbook
- Your OWN photography (Not secondary sources from the internet) for your project
- Any specific requirements for materials to be arranged with your teacher prior to the mock
- All images needed for this mock need to be printed prior to the exam

Assessment Date and length of Assessment:

• Thursday 26th June: 5 hours

Area of curriculum assessed:

AO3/AO4 – Record ideas, observations and insights relevant to intentions as work progresses You will be creating samples of work in a variety of art materials. You will need to ensure you have images related to your theme to refer to and worked on your plan.

What you will need to revise for this assessment:

You need to have a clear idea of:

- Your theme
- Your message
- Your artists
- Practise using your media (materials) relevant to the artists you are studying

Photographs relevant to your outcome and a detailed plan



PF

You will need the following equipment for your PE examination:

• Black pen (please have a spare)

Assessment Date and length of Assessment:

• Friday 20th June 1 hour

Area of curriculum assessed: Anatomy + Physiology, Physical Training & Sports

Psychology

What you will need to revise for this assessment:

- Class workbooks
- The PE Classroom
- GCSE Physical Education OCR BBC Bitesize

Anatomy + Physiology

- 1. Muscular System <u>Involuntary, voluntary and skeletal muscle Muscular system OCR GCSE Physical Education Revision OCR BBC Bitesize</u>
- 2. Skeletal System <u>Structure of the skeletal system Skeletal system OCR GCSE Physical Education Revision OCR BBC Bitesize</u>
- 3. Cardiovascular System <u>Structure of the cardiovascular system Cardiovascular</u> system OCR GCSE Physical Education Revision OCR BBC Bitesize
- 4. Movement Analysis <u>First, second and third class levers in the body Movement</u> analysis OCR GCSE Physical Education Revision OCR BBC Bitesize

Physical Training

- 1. Keeping fit and healthy in sport <u>Components of fitness Keeping fit and healthy in</u> sport OCR GCSE Physical Education Revision OCR BBC Bitesize
- 2. Principles of training <u>Definitions and descriptions of the principles of training Principles of training OCR GCSE Physical Education Revision OCR BBC Bitesize</u>
- 3. Methods and effects of training <u>The effects of the warm up and cool down process</u> <u>Methods and effects of training OCR GCSE Physical Education Revision OCR BBC Bitesize</u>

Sports Psychology

1. <u>Characteristics of skilful movement - Classification of skill in sport - OCR - GCSE</u> Physical Education Revision - OCR - BBC Bitesize