

# Year 10

## Topics to revise for end of year assessments



- English language paper one
- Macbeth – plot, themes, and characters
- A Christmas Carol – plot, themes, and characters
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**MASTERY IS  
ACHIEVED  
THROUGH  
DELIBERATE  
PRACTICE.**

### Maths

#### Year 10 Foundation

- Solving equations and rearranging formulae
- Linear Graphs
- Linear Simultaneous Equations
- Volume 2
- Compound Measures
- Quadratics - graphical
- Quadratics - algebraic
- Further graphs
- Probability 2
- Statistics 2
- Standard Form
- Ratio 2
- Growth & Decay
- Pythagoras Review
- Bearings & Scale Drawings

#### Year 10 Higher

- Rearranging formulae
- Linear Graphs
- Linear Simultaneous Equations
- Volume 2
- Compound Measures
- Quadratics - graphical
- Quadratics - algebraic
- Further graphs
- Probability 2
- Statistics 2
- Cumulative Frequency and Box Plots
- Standard Form
- Growth & Decay
- Ratio 2



### **Biology:**



- B1 - Cell biology
- B2 - Organisation
- B3 - Infection and response
- B4 - Bioenergetics


### **Chemistry:**

- C1 - Atomic structure and the periodic table
- C2 - Structure and bonding
- C3 - Quantitative chemistry
- C4 - Chemical changes
- C5 - Energy changes

### **Physics:**

- P1 - Energy
- P2 - Electricity
- P3 - Particle model
- P4 - Atomic structure

	<ul style="list-style-type: none"> <li>• Ratio 3</li> <li>• Similar shapes</li> <li>• Algebraic proportion</li> <li>• Surds</li> <li>• Right angled Trigonometry</li> </ul>	
<p style="text-align: center;"><b><u>R.S</u></b></p> <p><b>Christianity beliefs</b></p> <ul style="list-style-type: none"> <li>• Nature of God</li> <li>• The Trinity</li> <li>• Creation</li> <li>• The incarnation, Crucifixion, Resurrection &amp; Ascension</li> <li>• Afterlife and judgement</li> <li>• Heaven and hell</li> <li>• Sin</li> <li>• Salvation</li> </ul> <p><b>Christianity practices</b></p> <ul style="list-style-type: none"> <li>• Worship</li> <li>• Prayer</li> <li>• Baptism</li> <li>• Holy Communion and Baptism</li> <li>• Christmas and Easter</li> <li>• Pilgrimage</li> <li>• Street pastors and Food banks</li> <li>• Mission and Evangelism</li> <li>• Church growth</li> <li>• Reconciliation</li> <li>• Charity</li> </ul> <p><b>Islam Beliefs</b></p> <ul style="list-style-type: none"> <li>• Tawhid and the nature of God</li> <li>• The prophets (Adam, Ibrahim, Muhammad)</li> <li>• Sunni/ Shi'a split</li> <li>• Imamate</li> </ul>	 <ul style="list-style-type: none"> <li>• Crime and Punishment through time – Crime, Law Enforcement, Punishment</li> <li>• Whitechapel</li> <li>• Elizabeth</li> <li>• Early Weimar Germany</li> </ul> 	<p style="text-align: center;"><b><u>Geography</u></b></p> <ul style="list-style-type: none"> <li>• Paper 1 Section A (Tectonic hazards, weather hazards, climate change)</li> <li>• Paper 1 Section C (Coasts- all that has been completed up until the exam)</li> <li>• Paper 2 Section B ( Measuring development, causes of uneven development, closing the development gap, Nigeria as an NEE, UK economy)</li> <li>• Geographical skills will be included throughout</li> </ul>

<ul style="list-style-type: none"> <li>• Six Articles of Faith/ Five Roots</li> <li>• Qur'an and holy books</li> <li>• Angels</li> <li>• Life After Death</li> <li>• Predestination</li> </ul> <p><b>Islam Practices</b></p> <ul style="list-style-type: none"> <li>• The Shahadah</li> <li>• Salah (prayer)</li> <li>• Sawm (Fasting), Ramadan and the Night of Power</li> </ul> 		
<p><b><u>Computer Science</u></b></p> <ul style="list-style-type: none"> <li>• System architecture</li> <li>• Memory and storage</li> <li>• Computer networks, connections and protocols</li> <li>• Network security</li> <li>• System software</li> <li>• Ethical, legal, culture and environmental impacts of digital technology</li> <li>• 2.1 Algorithms</li> <li>• 2.2 Programming fundamentals (Sequence, Selection, Iteration, Variables, Data types, Functions, String Manipulation, File Handling)</li> <li>• 2.3 Producing robust programs</li> <li>• 2.4 Boolean logic</li> <li>• 2.5 Programming languages and Integrated Development Environments</li> </ul>	<p><b><u>Media</u></b></p> <ul style="list-style-type: none"> <li>• Media language</li> <li>• Representation</li> <li>• Media context for <ul style="list-style-type: none"> <li>➤ Vogue</li> <li>➤ GQ</li> <li>➤ The man with the golden gun</li> <li>➤ Quality street</li> <li>➤ This Girl Can</li> </ul> </li> <li>• Media industries and audience <ul style="list-style-type: none"> <li>➤ The Archers</li> <li>➤ Fortnite</li> <li>➤ James bond</li> </ul> </li> </ul>	<p><b><u>French</u></b></p> <ul style="list-style-type: none"> <li>• Physical descriptions</li> <li>• Character descriptions</li> <li>• Family and friend relationships</li> <li>• Free time activities</li> <li>• Physical and mental wellbeing</li> <li>• Social media</li> <li>• TV and music</li> <li>• Food</li> <li>• Body parts</li> <li>• At the doctor's</li> <li>• Environment issues</li> <li>• Fashion/clothes</li> <li>• School</li> <li>• Types of buildings</li> <li>• Job/skills/dreams</li> <li>• Accommodation/transport</li> <li>• Holidays</li> </ul> <p><b>Grammar focus:</b></p> <ul style="list-style-type: none"> <li>• Present, past and future tenses</li> <li>• Reflexive verbs</li> <li>• Imperfect tense</li> <li>• Conditional mood</li> <li>• Modal verbs</li> <li>• Complex clauses with "si"</li> <li>• Asking questions</li> <li>• Comparative &amp; Superlative</li> </ul>

### Business Studies

- Promotional Mix
- Advertising
- Sales Promotion
- Market Segmentation
- Target Market
- Factors Influencing Promotion
- Financial Documents
- Methods of Payment
- Revenue, Cost, and Profit
- Statement of Comprehensive Income
- Statement of Financial Position
- Sources of Finance

### GCSE P.E

- Bones of the body
- Movement of Skeletal system
- Functions of Skeletal system
- Muscles of the Body
- Synovial joint
- Joint movements
- Antagonistic muscle contraction
- Isotonic and isometric muscle contraction
- Concentric and eccentric muscle contractions
- Respiration
- Gaseous exchange
- Haemoglobin and oxyhaemoglobin
- Arteries, Veins and Capillaries
- Vasoconstriction
- Chambers of the heart
- Cardiac cycle
- Heart rate, stroke volume, cardiac output and anticipatory rise
- Ribs, intercostals and diaphragm
- Air pressure changes
- Lung volumes
- Equations of aerobic and anaerobic exercise
- causes and effects of EPOC
- process / benefits of different recovery methods
- sketch and label the different lever systems
- movements allowed at the elbow, knee, ankle, hip and shoulder
- sporting examples

### Spanish

- Physical descriptions
- Character descriptions
- Family and friend relationships
- Free time activities
- Physical and mental wellbeing
- Social media
- TV and music
- Food
- Body parts
- At the doctor's
- Environment issues
- Fashion/clothes
- School
- Types of buildings
- Job/skills/dreams
- Accommodation/transport
- Holidays



IT'S ABOUT  
REVISING  
LITTLE BUT  
**OFTEN**

- planes/axes, link to types of movement and sporting examples
- relationship between health and fitness
- different fitness components
- reasons for and limitations of fitness testing
- different fitness tests are administered
- how performance in tests can be measured qualitatively / quantitatively
- principles of training / overload
- types of training
- training thresholds/zones
- how to prevent injuries when training
- how high-altitude training is completed
- different training seasons
- structure of warm-up and cool-down



## TIME MANAGEMENT TIPS ON HOW TO BE EFFICIENT

### STAY ORGANISED

CREATE A REVISION TIMETABLE AND A TO DO LIST TO KEEP YOU ON TRACK WITH SCHOOL WORK AND REVISION.



### TRY NOT TO PROCRASTINATE

TURN OFF THE TV AND PUT YOUR PHONE ON FLIGHT MODE WHILE STUDYING.



### SET GOALS

SETTING GOALS WILL HELP YOU STAY FOCUSED WHEN REVISIONING.



### STAY HEALTHY

EAT WELL AND EXERCISE. ENERGY LEVELS WILL BE HIGHER AND YOUR MIND WILL BE MORE FOCUSED.



### TAKE BREAKS

DON'T FORGET TO SCHEDULE BREAKS. THIS COULD BE TAKING A WALK, STRETCHING OR MAKING A DRINK/SNACK.



### BE FLEXIBLE

LEAVE ROOM IN YOUR SCHEDULE TO ADJUST TO UNEXPECTED EVENTS.

