



**Whitmore  
High School**

**Summer Reading**

**Year 11**

# WHITMORE HIGH SCHOOL ART DEPT SCHEMES OF WORK

	Autumn	Spring	Summer
Year 11 Art	<p><b>Coursework Unit 1 –</b> Concentration on the final outcomes. Sketchbook including; Research &amp; Analysis of other artists, Analysis of own work, Reviewing &amp; refinement of own work, plus Outcomes and Evaluation.</p>		<p><b>Externally Set Assignment – Unit 2</b> Sketchbook including; Research &amp; Analysis of other artists, Planning, Artwork produced in a variety of media, Analysis of own work, Reviewing &amp; refinement of own work, plus Outcomes and Evaluation.</p>

## **Business Studies Summer Work Year 10**

To help prepare for an excellent year in Business, you should consider completing the following activities over the summer:

- Visiting BBC Bitesize and revising the topics covered in Year 10 to improve your understanding of entrepreneurship, business types, growth, marketing and business finance. A good understanding of these key topics is crucial to achieving your full potential in Business Studies
- Accessing the Business News on the BBC website. Summarise one key business news story for each week of the holidays. We will discuss these in September.
- Research “sustainability” and business ethics. Find examples of businesses how businesses behave ethically. Good examples are Cadburys and The Body Shop. Find ways businesses are becoming sustainable.

## **Year 11**

- Key business topics that you will study in Y11 are:
- What is meant by business ethics .The conflict between ethics and profit. The types of ethical issues that impact on business activity
- What is meant by sustainability. How businesses can respond to environmental issues and act in a sustainable manner
- Quality. Customer expectations of quality. How business achieves quality? The importance of quality to a business
- Business planning. Recognise the importance of business planning. The role of the business plan in business start-ups. The main sections of a business plan. Factors influencing where a business locates
- The factors influencing the siting of a business -Selecting the most appropriate location and site for different businesses in different contexts and scenarios
- International Trade. What is meant by international trade? The advantages and disadvantages of international trade to UK businesses. What is a multinational business? The impact of multinationals setting up in the UK
- Globalisation. What is meant by globalisation? The opportunities and threats to businesses and their stakeholders from operating in a global marketplace
- The EU. What are the European Union and the European Single Market? The impact of membership of the European Union to businesses and their stakeholders
- Sales process. The importance of good customer service and meeting customer expectations. The features of good customer service. The situations when business interact with customers. How customer service is carried out online
- Technological influence on business activity. The use of computer technology in the workplace. The use of computer aided design (CAD) and computer aided manufacture (CAM) in producing products
- The use of e-commerce and m-commerce in the selling of goods and services
- The use of digital media and social media to communicate with customers

## Product Design Summer Work Year 11

Term	Project	Topics
Autumn	Non-Examined Assessment	Research Design Development Practical Work
Spring	Non-Examined Assessment	Practical Work Testing & Evaluation
Summer	Exam Preparation	See Specification

## Engineering Summer Work Year 11

Term	Project	Topics
Autumn	Non-Examined Assessment	Producing Engineering Products
Spring	Non-Examined Assessment	Engineering Design
Summer	Exam Preparation	See Specification

### Useful Websites

BBC bite size [www.bbc.com/education/subjects/zfr9wmn](http://www.bbc.com/education/subjects/zfr9wmn)

BBC Click [www.bbc.co.uk/programmes/b006m9ry](http://www.bbc.co.uk/programmes/b006m9ry)

Technology Student [www.technologystudent.com/](http://www.technologystudent.com/)

You Tube

WJEC [www.wjec.co.uk/qualifications/design-and-technology/r-design-and-technology-gcse-from-2017/](http://www.wjec.co.uk/qualifications/design-and-technology/r-design-and-technology-gcse-from-2017/)

WJEC [www.wjec.co.uk/qualifications/engineering/index.html](http://www.wjec.co.uk/qualifications/engineering/index.html)

DT Source <https://sites.google.com/view/dt-source>

Focus eLearning

Login by visiting: [www.focuselearning.co.uk](http://www.focuselearning.co.uk)

Username: student@barrycomprehensive236

Password: thc6zxms4

# Year 11 Drama

This year will be spent finishing off your UNIT 1 Devised Drama pieces (performance work and written coursework).

You will also be starting work on both Units 2 (Performance from a script) and Unit 3 ("Romeo and Juliet").

Unit 2 requires you to perform an extract from ANY published play (a large choice will be explored between September and December). This is a performance ONLY exam and does not include any written work. You may want to research some of the plays highlighted below:

**The Woman in Black, The Dumb Waiter, Burying your brother in the pavement, Lord of the Flies, Of Mice and Men, Noises Off, The Rivals, Blood Brothers, Blue Remembered Hills, #Yolo, The Entertainer, Bouncers, Teechers, West Side Story.**

The Unit 3 work on "Romeo and Juliet" will expect you to write about the play from an actors, directors and designers point of view. We suggest you read the play during the holidays and start developing ideas on HOW this play could be staged. As it is Shakespeare, the story could be told in ANY time period and in any place. The main themes of the text are; family, revenge, love, rivalry, feuds and death.

Think about how you could modernise this play so that an audience could understand the play better. Baz Lurhman attempted this with his film version. "**West Side Story**" is another example of a modern interpretation of the STORY. Explore different ideas on how this play could be/has been performed. What are your ideas for a modern version of the play? What type of stage would you use? What would the set look like? What costumes would the actors wear to communicate characters? How could you use lighting and sound to make the play visually and audibly interesting for an audience?

The links below will take you to a sample paper where you can see the types of questions you may be asked based upon the play:

[http://www.wjec.co.uk/qualifications/drama/r-drama-gcse-from-2016/wjec-gcse-drama-sams-from-2016-e.pdf?language\\_id=1](http://www.wjec.co.uk/qualifications/drama/r-drama-gcse-from-2016/wjec-gcse-drama-sams-from-2016-e.pdf?language_id=1) (Go to page 20 to find "Romeo and Juliet")

[http://www.edugas.co.uk/qualifications/drama-and-theatre/gcse/WJEC-Edugas-GCSE-Drama-SAMs.pdf?language\\_id=1&dotcache=no&dotcache=refresh](http://www.edugas.co.uk/qualifications/drama-and-theatre/gcse/WJEC-Edugas-GCSE-Drama-SAMs.pdf?language_id=1&dotcache=no&dotcache=refresh) (Go to page 20. There are NO "Romeo and Juliet" examples here BUT these questions may come up so its good to see them).

**Mr Ian Piekieniak**  
**(Leader of Learning of Drama)**

## Our Vision for English

At Whitmore High School, we believe that English is one of the most important subjects you can study, not just because you will achieve necessary qualifications for future education and career pathways but also because developing excellent communication skills is an essential part of your academic, social and personal development. Throughout your time with us, we will help you to develop to become:

- \* critical, insightful and analytical readers of literature as well as non-literary texts;
- \* accomplished, accurate writers across a wide range of genres and for a range of audiences and purposes;
- \* confident, fluent speakers - both as individuals and in group discussions - and perceptive, thoughtful listeners.



English at Whitmore High School - Year 11

## What Will I Be Studying?

### Autumn Term:

At the beginning of the year, you will be given clear targets for reading, writing and oracy, based on results in year 10. During the first term, you will be developing your language skills further and engaging with a number of reading, writing and oracy activities based on different themes, in order to become confident with the requirements for the English Language GCSE. You will complete a GCSE-style assessment and get detailed and personalised feedback. You will also complete an English Language Unit 1 controlled assessment task - 'Responding and Interacting' (a formal group discussion).

### Spring Term:

You will continue preparing for the two English Language exams and perfecting your reading and writing skills. Additionally, literature students will study the novel *Heroes* and the play *An Inspector Calls* for the Unit 2 English Literature exam. You will sit pre-public exams (mocks) for all your examination units.

### Summer Term:

You will sit your GCSE English Language Units 2 & 3 exams. Literature students will also sit their Unit 2a exam. Throughout year 11, there will be regular revision sessions at lunchtimes and after school during which you will have the opportunity to solidify your knowledge and refine your skills. You will also be expected to work independently in your own time to prepare for both the English Language and the English Literature qualification.

## Summer Research: Get Ready for September!

### Useful research websites for English Language:

BBC Analysing fiction: <https://www.bbc.com/education/examspecs/ztjmv4j>  
BBC Analysing non-fiction: <https://www.bbc.com/education/topics/zpbdhv4>  
BBC Comparing texts: <https://www.bbc.com/education/topics/ztvk6fr>  
BBC Spelling, punctuation and grammar: <https://www.bbc.com/education/topics/zqhb6f>  
WJEC resources: <http://resources.wjec.co.uk/Pages/ResourceByArgs.aspx?subId=11&lvlId=2>

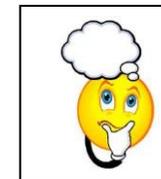
### Useful research websites for English Literature:

The J.B. Priestley society: <http://www.jbpriestleysociety.com/for-students-and-teachers/>  
'An Inspector Calls': Information about J.B. Priestley: [http://www.dccacademy.org.uk/english\\_revision/english\\_literature\\_paper2/](http://www.dccacademy.org.uk/english_revision/english_literature_paper2/)

## Whitmore High School French Summer Work Year 10



In year 11 you will focus on the themes of *Wales and the World* and *Current and future study and employment*.



Sub-theme	Topics	Grammar
<b>Current study</b>	<b>School/College Life and studies:</b> Describing your school, including subjects, teachers and school day (time).	Revision of present tense, revision of adjectives, conditional tense, revision of <i>il faut, depuis</i> .
<b>Enterprise, employability and Future Plans</b>	<b>Post-16 study:</b> Talking about your plans after GCSEs.	Future tense,
	<b>Career plans:</b> Discussing future jobs.	
<b>Home and Locality</b>	<b>Local areas of interest:</b> Describing your town.	Negative.
	<b>Travel and Transport:</b> Vocabulary for methods of transport, advantages and disadvantages.	
<b>The Wider World</b>	<b>Holidays and tourism:</b> Discussing past, future and ideal holidays.	Past tense ( <i>passé composé</i> ) revision, with <i>être</i> ,
	<b>France and French-speaking countries:</b> Comparing Wales and French-speaking countries.	
<b>Global Sustainability</b>	<b>Environment:</b> Describing the problems and what you do to help.	
	<b>Social Issues:</b> Identifying issues and what is done to help.	

**Useful websites:**

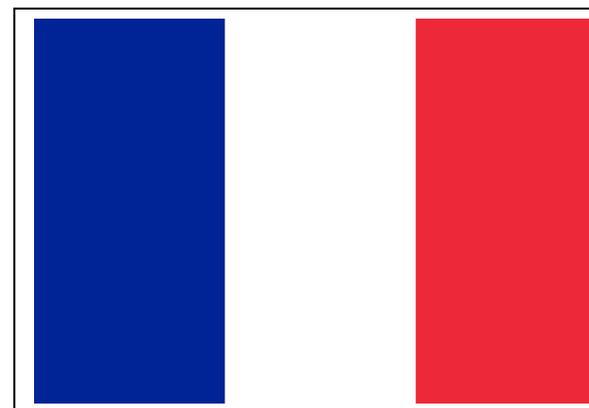
<http://www.wordreference.com> Online dictionary for looking up vocabulary.

<http://www.newsinslowfrench.com> French news read by a native speaker at a slow pace with transcripts.

<http://www.languagesonline.org.uk> French grammar, topics and vocabulary practice.

<http://www.wildfrench.co.uk/GCSEpapers/paperslist.htm> Edexcel French GCSE past papers.

<http://www.francefootball.fr/> Website for all things football.





## Whitmore High School GCSE Geography – Year 11 2018 – 2019



### Course: WJEC Geography A

Unit 2	Topics	Assessment
<b>Core topic 5 Weather and Ecosystems</b>	<ul style="list-style-type: none"><li>• Evidence for and causes of climate change</li><li>• Global weather patterns and controls</li><li>• Extreme weather (high and low pressure)</li><li>• Controls over the UK's weather</li><li>• Major global ecosystems (Tundra, rainforest)</li><li>• Management of ecosystems (Tundra, rainforest)</li></ul>	Past paper questions
		End of topic assessment
<b>Core topic 6 Development and Resources</b>	<ul style="list-style-type: none"><li>• Measuring economic development</li><li>• Globalisation and the growth of MNCs</li><li>• The roles of trade and tourism</li><li>• Responding to inequality (nationally and globally)</li><li>• Water supply and security</li></ul>	Past paper questions
		End of topic assessment
<b>Optional topic 8 Environmental Challenges</b>	<ul style="list-style-type: none"><li>• Consumerism and its impact (food miles, waste)</li><li>• Effects of climate change</li><li>• Responding to climate change</li><li>• Managing habitats (Costa Rica, South Africa)</li><li>• Reducing the impacts of tourism</li></ul>	Past paper questions
		GCSE Exam: Unit 1 – Three year 10 topics GCSE Exam: Unit 2 – Three year 11 topics

#### Useful websites:

<http://www.wjec.co.uk/qualifications/geography/r-geography-gcse-from-2016/>

<https://www.bbc.com/education/examspecs/zs8k4qt>



## Whitmore High School GCSE Geology – Year 11 2018 – 2019



### Course: WJEC Eduqas Geology

Unit	Topics	Assessment
<b>4 – Geological Structures and Maps</b>	<ul style="list-style-type: none"><li>• Structures – Folding and Faulting</li><li>• Geological Mapwork</li><li>• Interpreting block diagrams</li><li>• Field visit to Pembrokeshire to collect data for an individual investigation</li><li>• Fieldwork skills and analysis</li></ul>	Past paper questions
		End of topic assessment
<b>5 – Geological Time</b>	<ul style="list-style-type: none"><li>• Principles of dating</li><li>• The Geological Timescale</li><li>• Development of life and evolution through time</li><li>• Interpretation and recognition of the major fossil groups</li><li>• Mass extinction events</li><li>• Climate change through geological time</li></ul>	Past paper questions
		End of topic assessment
<b>6 – Earth Resources</b>	<ul style="list-style-type: none"><li>• Major earth resources (energy, ores and aggregates)</li><li>• Exploration and prospecting</li><li>• Oil and gas formation</li><li>• Water supply</li><li>• Engineering problems associated with waste disposal and dam construction</li></ul>	Past paper questions
		GCSE Exam: Unit 1 – Geological principles GCSE Exam: Unit 2 – Investigative Geology

#### Useful websites:

<http://www.wjec.co.uk/qualifications/geology/eduqas-geology-gcse-from-2017/>



Term	Unit	Topics	Skills Assessed
Autumn (Sep – Dec)	<b>WJEC History Unit 3 - Crime and Punishment, c.1500 to the present day</b>	What have been the main causes of crime over time? How has the nature of criminal activity differed and changed over time? How has the responsibility of enforcing law and order changed over time?	One paper of 1 hour 15 minutes assessing the Thematic Study (seven questions)
	<b>30% of GCSE</b>	How effective have methods of combating crime been over time? Why have attitudes to punishment changed over time? How have methods of punishment changed over time? A study of an historic site connected with crime and punishment.	
Spring (Jan – Easter)	<b>WJEC History Unit 1 – Depression, War and Recovery, 1930-1951</b>	What were the main causes of the Depression? How were people able to cope with the challenges of the Depression years? How effectively did Britain prepare for war?	One paper of 1 hour assessing the Welsh/British Study in Depth (five questions)
	<b>25% of GCSE</b>	How did people in Britain cope with the experience of war? How important was it to maintain people's morale during the war? How difficult were conditions in Britain in 1945?	
Summer (Easter – July)		How did the Labour government deal with the problems of the time?	

**Useful websites:**

BBC bitesize – Crime and Punishment (WJEC)

BBC bitesize - War Depression and Recovery (WJEC)

# Whitmore High School

## Certificate in Digital Applications

### (GCSE ICT)

## Year 11 2018 - 2019



### Summer Activities

To help prepare for IT in Year 11, the following websites will be useful for information and suggested activities.

<https://www.bbc.com/education/guides/zqrk7ty/revision/1>

<https://www.bbc.com/education/guides/z7c82hv/revision/1>

<https://www.w3schools.com/>

<https://www.codecademy.com/> (HTML)

### Year 11 topics

Key number topics that you will study in Y10 are:

- Artwork and Imaging Project
  - This involves demonstrate your ability in a project to create effective images and graphic products. This will include exhibiting work and supporting evidence in an e-portfolio.
    - Investigating artwork and images
    - Designing and Developing artwork and images
    - Creating vector and bitmap images
    - Use drawing tools and image editing tools
    - Preparing images for on screen
    - Product review
    - Exhibiting work in an e-portfolio
- Developing Web Products (External Practical Examination Resit)
  - This involves creating web products, i.e. web pages and graphic content under exam conditions

## **Mathematics Years 10 into 11**

Year 10 pupils sat a GCSE Mathematics-Numeracy Pre-public examination (PPE) in June. This examination was in preparation for the official GCSE Numeracy examination that will take place on Tuesday 6<sup>th</sup> November and Thursday 8<sup>th</sup> November 2018.

On his return to school in September, your son will be issued with a revision timetable in preparation for these examinations\*. This timetable will consist of breakfast, afterschool and weekend sessions and your son may also be invited to attend extra timetabled sessions outside of mathematics lessons during the school day. We feel that it is vitally important that your son attends all of these extra sessions so that he is provided with the best possible chance of obtaining his full potential in his November examination. In our experience, passing GCSE Numeracy early in the November sitting is a great advantage to many pupils as it eases exam pressure during the summer months, allowing pupils to focus harder on other subjects and achieve better overall results. Obtaining a positive result in GCSE Numeracy in November 2018 will serve as encouragement for your son to go on and achieve his full potential in GCSE during the Summer 2019 examination period.

Pupils will require a calculator for the exam and we recommend the use of any scientific Casio model. Casio fx models can be found in most well-known supermarkets for around £10. If your son would like to purchase one directly from the school, we have them available at the same price of £10. We feel strongly about the use of these calculators as they are very easy to operate and they allow pupils to eliminate mistakes from their work. We also feel it is important that your son obtains one of these calculators, sooner rather than later, so that he is well practised in using it by the time of the exam.

To help prepare for examination success in numeracy and mathematics, you should encourage your son to complete the following activities over the summer:

- Visiting **Khan academy** and watching tutorials to improve his understanding of fractions, decimals, percentages, ration and proportion. A good understanding of these key number topics is crucial to achieving exam success. Khan academy is FREE to join.
- Downloading GCSE Numeracy past papers and mark schemes from the link on the school website and practising them.
- Logging into **Hegarty Maths** and practising exercises related to the list of examinable topics that can be found on the school website. Click the green tab and enter your details to login as a student. A number of exercises have been set up to help your son prepare for his exam.

Finally, may I take this opportunity to thank you for encouraging your children to do their best and for supporting them through their forthcoming examinations.

\*Pupils assigned to set 2 will not sit GCSE Mathematics-Numeracy examinations in November 2018. Instead, they will sit both GCSE Mathematics and GCSE Mathematics-Numeracy during the Summer 2019 examination period.

# GCSE MUSIC: Years 10 & 11

*You will study the GCSE Music course over three assessment areas;*

## **Performing, Composing & Appraising.**

### **Unit 1: Performing; Total duration of performances: 4-6 minutes (35%)**

Section A: Performing (30%) A minimum of two pieces, one of which must be an ensemble performance of at least one-minute duration. The other piece(s) may be either solo and/or ensemble. One of the pieces performed must link to an area of study of the learner's choice.

Section B: Programme Note (5%) A programme note for one of the pieces chosen for performance, linked to an area of study.

### **Unit 2: Composing; Total duration of compositions: 3-6 minutes (35%)**

Section A: Composing (30%) Two compositions, one of which must be in response to a brief set by WJEC. Learners will choose one brief from a choice of four. The second composition is a free composition for which learners set their own brief.

Section B: Evaluating (5%) An evaluation of the piece composed in response to a brief set by WJEC.

### **Unit 3: Appraising Written examination: 1 hour (30%)**

This unit is assessed via a listening examination based on the areas of study and the two set works:

- Area of study 1: Musical Forms and Devices: (*Set work: Abdelazer Suite II: Rondeau: Purcell 1695*)
- Area of study 2: Music for Ensemble
- Area of study 3: Film Music
- Area of study 4: Popular Music: (*Set work: Handbags and Gladraggs: Stereophonics 2001*)

*Students will be required to perform to at least grade 3 standard by the time of recording in year 11 on at least one instrument. They will also use music technology to help with composition and will require some basic keyboard skills which they will have developed during the Key Stage 3 curriculum.*

**In preparation for the course students should spend time over the summer holidays improving performing skills and developing their repertoire where possible for their chosen instrument.**

**Listening Material:** (*All music available through YouTube, Amazon Music or Spotify*)

- *Abdelazer Suite II: Rondeau: Purcell 1695 (Set work)*
- *Handbags and Gladraggs: Stereophonics 2001 (Set work)*
- *As well as these try listening to a variety of music from all genres for general listening*

**Preparation Reading:** (*These books are available to purchase which would be beneficial, however not essential*)

- *WJEC/Edquas GCSE Music - Illuminate Publishing*
- *WJEC & EDQUAS GCSE MUSIC Revision Guide – Rhinegold Education*
- *WJEC & EDQUAS GCSE MUSIC Listening Tests – Rhinegold Education*
- *WJEC & EDQUAS STEP UP TO GCSE MUSIC – Rhinegold Education*



**Year 11 Religious Studies - WJEC specification in Religious Studies Unit 1 (Christianity and Islam)**

Term	Unit	Content
Term 1	Philosophical themes: Issues of Good and Evil	<ul style="list-style-type: none"> <li>• What is 'good'?</li> <li>• What is 'evil'?</li> <li>• Responses to the problem of evil and suffering – St Irenaeus and Saint Augustine; John Hick; Life as a test; the story of Job.</li> <li>• The Holocaust: Where was God? Diverse Jewish responses to the Holocaust</li> <li>• Is it possible to forgive?</li> <li>• Peace and conflict</li> </ul>
Term 2 & 3	Islam: Beliefs and Teachings	<ul style="list-style-type: none"> <li>• The nature of God</li> <li>• The Five Pillars of Islam</li> <li>• Revelation and sacred writings</li> <li>• Prayer at home and in the mosque</li> <li>• Halal</li> </ul>
Term 4 & 5	Christianity: Beliefs and Teachings	<ul style="list-style-type: none"> <li>• The nature of God</li> <li>• The nature of humanity</li> <li>• Incarnation and the trinity</li> <li>• The teachings of Jesus</li> <li>• Agape and forgiveness</li> <li>• The diversity of Christianity</li> <li>• Role of the church</li> <li>• Interfaith dialogue</li> <li>• Revision</li> </ul> <p><b><i>Pupils complete exam: May</i></b></p>

BBC Bitesize: <https://www.bbc.com/education/examspecs/z3xvfcw>

In the topics section go to Christianity and then Islam. Read through the revision sections before completing the tests. Read the feedback on the tests. There are also a number of clips that will help you with the topics.

## Whitmore High School Year 11 GCSE Science Units 2018 – 2019



<b><u>Year 10 (Double Award)</u></b>		
Subject (Unit)	Topics	Specified practical work
<b>Biology (unit 1)</b> 3x lessons per fortnight  <u>Exam:</u> 1hr 15mins 7th June 2019	1.1 Cells and movement across membranes	<ul style="list-style-type: none"> <li>• Examination of animal and plant cells using a light microscope</li> <li>• Investigation into factors affecting enzyme action</li> </ul>
	1.2 Respiration and the respiratory system in humans	
	1.3 Digestion and the digestive system in humans	<ul style="list-style-type: none"> <li>• Investigation of the energy content of foods</li> </ul>
	1.4 Circulatory system in humans	
	1.5 Plants and photosynthesis	<ul style="list-style-type: none"> <li>• Investigation of the factors affecting photosynthesis</li> </ul>
	1.6 Ecosystems and human impact on the environment	
<b>Chemistry (unit 2)</b> 3x lessons per fortnight  <u>Exam:</u> 1hr 15mins 12th June 2019	2.1 The nature of substances and chemical reactions	
	2.2 Atomic structure and the Periodic Table	
	2.3 Water	
	2.4 The ever-changing Earth	<ul style="list-style-type: none"> <li>• Determination of the amount of hardness in water using soap solution</li> </ul>
	2.5 Rate of chemical change	<ul style="list-style-type: none"> <li>• Factors affecting rate of a reaction using a gas collection method &amp; the reaction between hydrochloric acid and sodium thiosulfate</li> </ul>
<b>Physics (unit 3)</b> 3x lessons per fortnight	3.1 Electric circuits	<ul style="list-style-type: none"> <li>• Investigation of the current-voltage (I-V) characteristics for a component</li> </ul>
	3.2 Generating electricity	

## Whitmore High School Year 11 GCSE Science Units 2018 – 2019



Exam: 1hr 15mins 14th June 2019	3.3 Making use of energy	<ul style="list-style-type: none"><li>• Investigation of the methods of heat transfer</li><li>• Determination of the density of liquids and solids</li></ul>
	3.4 Domestic electricity	
	3.5 Features of waves	<ul style="list-style-type: none"><li>• Investigation of the speed of water waves</li></ul>

### **Useful websites:**

BBC Bitesize - <https://www.bbc.com/education/subjects/zrkw2hv>

WJEC Science - <http://www.wjec.co.uk/qualifications/science/gcse/science-double-gcse-2016/>

Revision Guides - <https://www.bangor.ac.uk/going-to-university/revision-guides/gcserevision.php.en>

Revision App – “Adolygu” (free & available from app store)

Department Twitter (current) - @BarryCompSci

### **Interesting reading:**

<http://www.sciencejournalforkids.org/>

<https://www.sciencenewsforstudents.org/>

<http://theday.co.uk/>

***\*Revise topics 1.1 and 1.2 from year 10\****

## Whitmore High School Year 11 GCSE Science Units 2018 – 2019



<b>Year 11 Separate Sciences (Triple)</b>		
Subject (Unit)	Topics	Specified practical work
<b>Biology (unit 1)</b>  4x lessons per fortnight  Exam: 1hr 45mins 7th June 2019	1.1 Cells and movement across membranes	<ul style="list-style-type: none"> <li>• Examination of animal and plant cells using a light microscope</li> <li>• Investigation into factors affecting enzyme action</li> </ul>
	1.2 Respiration and the respiratory system in humans	
	1.3 Digestion and the digestive system in humans	<ul style="list-style-type: none"> <li>• Investigation of the energy content of foods</li> </ul>
	1.4 Circulatory system in humans	
	1.5 Plants and photosynthesis	<ul style="list-style-type: none"> <li>• Investigation of the factors affecting photosynthesis</li> </ul>
	1.6 Ecosystems and human impact on the environment	
	1.6 Ecosystems, nutrient cycles and human impact on the environment	
<b>Chemistry (unit 1)</b>  4x lessons per fortnight  Exam: 1hr 45mins 12th June 2019	1.1 The nature of substances and chemical reactions	
	1.2 Atomic structure and the Periodic Table	
	1.3 Water	
	1.4 The ever-changing Earth	<ul style="list-style-type: none"> <li>• Determination of the amount of hardness in water using soap solution</li> </ul>
	1.5 Rate of chemical change	<ul style="list-style-type: none"> <li>• Factors affecting rate of a reaction using a gas collection method &amp; the reaction between hydrochloric acid and sodium thiosulfate</li> </ul>
	1.6 Limestone	<ul style="list-style-type: none"> <li>• Investigation of thermal stabilities of calcium carbonate, copper(II) carbonate and sodium carbonate</li> </ul>

## Whitmore High School Year 11 GCSE Science Units 2018 – 2019



Subject (Unit)	Topics	Specified practical work
<b>Physics (unit 1)</b>  4x lessons per fortnight  Exam: 1hr 45mins 14th June 2019	1.1 Electric circuits	<ul style="list-style-type: none"> <li>Investigation of the current-voltage (I-V) characteristics for a component</li> </ul>
	1.2 Generating electricity	
	1.3 Making use of energy	<ul style="list-style-type: none"> <li>Investigation of the methods of heat transfer</li> <li>Determination of the density of liquids and solids</li> </ul>
	1.4 Domestic electricity	
	1.5 Features of waves	<ul style="list-style-type: none"> <li>Investigation of the speed of water waves</li> </ul>
	1.6 The total internal reflection of waves	
	1.7 Seismic waves	
	1.8 Kinetic theory	<ul style="list-style-type: none"> <li>Determination of the specific heat capacity of a material</li> </ul>
	1.9 Electromagnetism	<ul style="list-style-type: none"> <li>Investigation of the output of an iron-cored transformer</li> </ul>

### Useful websites:

BBC Bitesize - <https://www.bbc.com/education/subjects/zrkw2hv>

WJEC Science - <http://www.wjec.co.uk/qualifications/science/gcse/>

Revision Guides - <https://www.bangor.ac.uk/going-to-university/revision-guides/gcserevision.php.en>

Revision App – “Adolygu” (free & available from app store)

### Interesting reading:

<http://www.sciencejournalforkids.org/>

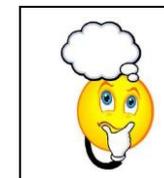
<https://www.sciencenewsforstudents.org/>

<http://theday.co.uk/>

Department Twitter (current) - @BarryCompSci

***\*Revise topics 1.1 and 1.2 from year 10\****

## Whitmore High School Spanish Summer Work Year 10



In year 11 you will focus on the themes of *Wales and the World* and *Current and future study and employment*.

Sub-theme	Topics	Grammar
<b>Current study</b>	<b>School/College Life and studies:</b> Describing your school, including subjects, teachers and school day (time).	Revision of present tense, revision of adjectives, conditional tense, revision of <i>Hay que, desde hace</i> .
<b>Enterprise, employability and Future Plans</b>	<b>Post-16 study:</b> Talking about your plans after GCSEs.	Future tense. Conditional tense
	<b>Career plans:</b> Discussing future jobs.	
<b>Home and Locality</b>	<b>Local areas of interest:</b> Describing your town.	Negative.  Key phases with <i>si</i> ; <i>si pudiera, si fuera, si tuviera</i>
	<b>Travel and Transport:</b> Vocabulary for methods of transport, advantages and disadvantages.	
<b>The Wider World</b>	<b>Holidays and tourism:</b> Discussing past, future and ideal holidays.	Past tense ( <i>preterite</i> ) revision
	<b>Spain and Spanish-speaking countries:</b> Comparing Wales and Spanish-speaking countries.	
<b>Global Sustainability</b>	<b>Environment:</b> Describing the problems and what you do to help.	idioms
	<b>Social Issues:</b> Identifying issues and what is done to help.	Perfect Tense

### Useful websites:

<http://www.wordreference.com> Online dictionary for looking up vocabulary.

<http://www.newsinslowspanish.com> Spanish news read by a native speaker at a slow pace with transcripts.

<http://www.languagesonline.org.uk> Spanish grammar, topics and vocabulary practice.

<http://www.wildspanish.co.uk/GCSEpapers/paperlist.htm> Edexcel Spanish GCSE past papers.

[www.spanishrevision.co.uk](http://www.spanishrevision.co.uk) Click on GCSE link to find an exam practice section with links to vocabulary, grammar, Listening and Reading exam practice (at both Foundation and Higher levels). There is also a section for practice by Topic area. The Downloads link has some useful documents for word lists, verb lists, etc. Click on the Websites link for lots more Spanish revision sites.



## Whitmore High School Key Stage 4 Welsh GCSE 2018 – 2019



### Year 11

Unit	Language	Language to learn in preparation for Speaking and Listening exam
<b>Hamdden/ Leisure</b>	Revision of basic vocabulary to talk about leisure time.	Present tense
		Past tense
	Discussion of healthy lifestyle, technology and young people's problems.	Conditional tense
		Future tense
<b>Amgylchedd/ Environment</b>	Key vocabulary about the environment.	Perfect tense
		Imperfect tense
	Using opinions and a variety of language patterns to discuss the environment.	Idioms and connectives
		Third person
<b>Arholiad Gwrando a Llafar ac Ysgrifennu a Darllen/ Preparation for exams</b>	Preparing for speaking and listening exam and the reading and writing exams.	Opinions
		Agree and disagree
	Practising watching videos and understanding the gist and learning how to prepare and have a successful conversation.	Questions
		Every day language

#### Useful websites:

BBC Bitesize - <https://www.bbc.com/education/subjects/z8qmhyc>

Quizlet – [www.quizlet.com](http://www.quizlet.com)

[www.cymraegailiaith.com](http://www.cymraegailiaith.com)