



Y PANT - AUTUMN TERM YEAR

Year 7

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Mathematics	Statistics (Surveys, Graphs, Charts); Fractions, percentages and ratios. Number Patterns (Factors, Multiple, Primes, Rules)	http://www.mymaths.co.uk/	Weekly homework assignments and an assessment test at the end of each half-term.
English	<u>Space and Star Wars.</u> Pupils will study the theme of space, with a focus on Star Wars later in the term. This will coincide with the release of the new film. Pupils will explore the skills of: Descriptive writing; Speaking and Listening tasks based on debate and negotiation; Reading tasks linked to space themed literature; Spelling, Punctuation and Grammar; Reading for pleasure	Pupils will be required to research information and find images within a "space" theme. An understanding of Star Wars would be beneficial. General websites such as: Wikipedia/IMDB will help.	There will be a series of research tasks linked to the theme of "space". Spelling tests will be run during this term. Assessed pieces will be: Descriptive writing Textual analysis Debating
Science	<u>Starting Science / Carrying out Investigations</u> Basic laboratory safety, general and measuring apparatus, working in a laboratory, using a Bunsen burner, planning an investigation, recording and displaying results, analysing data and forming conclusions, the difference between a scientific fact, a belief and an opinion These topics will deliver several aspects of the LNF framework as well as developing pupils' scientific investigation skills.	BBC Bitesize KS3 Encourage pupils to watch appropriate scientific television programmes Chemistry sets, microscopes, telescopes, 'Horrible Science' kits e.g. Explosive Experiments, would make good Christmas presents! Horrible Science books	Frequent homework 2 pieces of teacher marked assessed homework. 2 teacher marked tests (pupils will be tested on the work carried out in class and will be expected to prepare and learn the work at home)
Art	<u>Assemblage Print Unit</u> Students create an assemblage from found objects. They work from this to create a design suitable for a Print.	Y Pant school website. Look at examples of Print work in Key Stage 3 Art. Research into Artists who have worked with Print techniques or similar subject matter	Ongoing assessment throughout project & Final Print piece assessed. Homework listed in back of students sketchbooks.
Drama	Intro to Drama Effective group work Developing confidence Initial performance skills.	www.bbc.co.uk/education www.youtube.com www.sceneandheard.org	Scriptwriting plan for 'The Best/Worst Day Ever' – Examination.



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<p>DT</p>	<p>Pupils will work on either one of these projects depending on which teacher and room they are allocated to on their timetable.</p> <p><u>Mechanical Toy Project.</u> Pupils design and make a moving toy suitable for a small child. They will develop their designing skills through modelling and sketching and also their practical/workshop skills.</p> <p><u>Cubee Project.</u> Pupils design and make a moving Cubee Character. They will develop their knowledge of basic electronics, including miniature DC motors and designing Nets.</p> <p><u>CAD/CAM Ruler Project</u> Pupils will learn how to design and make their own ruler using CAD/CAM software and a laser cutter</p>	<p>www.technologystudent.com</p> <p>http://www.bbc.co.uk/schools/gcsebitesize/design/systemscontrol/mechanismsrev3.shtml</p> <p>https://www.youtube.com/watch?v=DSD_9cNz0IY</p> <p>https://www.youtube.com/watch?v= KWfkewD0Rg</p> <p>www.technologystudent.com</p> <p>https://www.elprocus.com/dc-motor-basics-types-application/</p> <p>www.technologystudent.com</p>	<p>A key homework for this project is for pupils to make a model out of card of their final design. Parents can help pupils to problem solve during this activity and develop a working prototype. Assessment will be ongoing but there are two opportunities for focused assessment within the project. The first will be completed at the end of the designing phase of the project and the second will be completed at the end of the making phase.</p> <p>Assessment will be ongoing but there are two opportunities for focused assessment within the project. The first will be completed at the end of the designing phase of the project and the second will be completed at the end of the making phase.</p> <p>Assessment will be ongoing but there are two opportunities for focused assessment within the project. The first will be completed at the end of the designing phase of the project and the second will be completed at the end of the making phase.</p>
<p>DT Food</p>	<p>Healthy eating, cutting skills and using equipment.</p>	<p>www.bbc.co.uk/food/techniques</p>	<p>Sam and Ella café newspaper report. Practical evaluations. Two key task assessments, one for literacy and one for recipe adaptation of rock buns.</p>
<p>DT Textiles</p>	<p>Constructing a drawstring bag.</p>		<p>Bag research and evaluation of the drawstring bag.</p>
<p>French</p>	<p>Meeting & greeting people. Alphabet. Months & numbers 1-31. School bag & classroom equipment. Opinions & hobbies.</p>	<p>BBC Primary languages http://www.bbc.co.uk/schools/primarylanguages/french/</p> <p>BBC Bitesize KS2&KS3 French online- http://www.bbc.co.uk/education</p>	<p>Mini presentation about yourself. Paragraph describing school bag items. Spelling & grammar tests. Mini presentation on hobbies.</p>



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Geography	<p>1. Where do we live? 2. Where in Wales?</p> <ul style="list-style-type: none"> • Develop an understanding of the nature of the subject of Geography • Develop knowledge and understanding of the home region • Stimulate curiosity about the world around us • Develop a knowledge of the political, human and physical features of Wales and the British Isles <p>Skills: working with others, literacy, numeracy, enquiry</p>	<p>http://www.geographyalltheway.com/</p> <p>http://www.bbc.co.uk/education/subjects/zrw76sq</p> <p>https://earth.google.co.uk/</p> <p>https://www.instantstreetview.com/</p> <p>A good quality atlas</p>	<ul style="list-style-type: none"> • Environmental Geography report on the local area • Geography in the News investigation • Local Village Enquiry
History	<p>What were Wales and England like in 1000? / The events of 1066: Why were there three kings of England in 1066? / Who was the body in the field? – Enquiry / Why did William of Normandy win the Battle of Hastings? – Causation / How and why did life in England and Wales change as a result of the Norman Conquest? Enquiry</p>	<p>School produced booklets / ‘Horrible Histories’ BBC History & BBC Bitesize</p>	<p>Police report on the ‘body in the field’ – Sept</p> <p>Extended writing: Why did William of Normandy want to conquer England? Oct</p>
IT	<p>Introduction to the rooms and setting up user areas</p> <p>Health and safety within ICT</p> <p>E safety – looking at “how to be safe online” and “Cyber bullying”</p>	<p>http://www.bbc.co.uk/education/guides/zkyg87h/revision</p> <p>http://ceop.police.uk/</p>	<p>Research tasks into health & safety issues within ICT.</p> <p>Key Task:- Writing a blog on “How to stay safe online”</p>
Music	<p>Musical Elements/ Hallelujah Baseline assessment Initial performance skills Introducing Music Technology</p>	<p>www.bbc.co.uk/education www.musictechteacher.com www.hwb.com</p>	<p>Arrange to gain more confidence with Music IT programmes.</p>



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PE	Health, Exercise & Well being Invasion Games, Gymnastics/Dance Pupils will learn how to prepare for exercise and reasons why the body responds as it does Pupils will learn about muscles of the body.		Pupils assessed throughout course through observation and Q and A. Pupils are not only assessed on their ability to perform but also their ability to understand the principles behind movement and skills over a variety of practical areas of activity.
PSE / WBQ	-Introduction to Global Citizenship -Contemporary Society; legal and international organisations and structures *Visits from RCT Career Service *Visits from Community Nurse	http://www.unicef.org.uk/rights-respecting-schools/ https://www.kidscape.org.uk/advice/advice-for-parents-and-carers/	Parents are encouraged to discuss current affairs issues and relevant topical political stories with children.
Religious Ethics & Philosophy	The Six World Religions Introduction Leaders, Texts and Worship – Hinduism <ul style="list-style-type: none"> • Hindu beliefs and teachings about God • Symbolism and symbols of Brahman. • What does it mean to be a Hindu? • Hindu worship in the home and temple 	http://www.bbc.co.uk/religion/religions/hinduism/ http://www.bbc.co.uk/schools/religion/hinduism/	<u>Assessment 1:</u> Unseen Reading Assessment. <u>Assessment 2:</u> Letter writing literacy assessment Write a letter as a believing Hindu which gives a detailed <u>description</u> of belief in Brahman (God). <u>Explain</u> how your belief in Brahman (God) affects your life as a Hindu and what you do.
Welsh	Discussing myself Greetings and goodbyes; Home town; Towns and counties of Wales; Likes and dislikes; Present Tense; Nasal Mutation; Soft Mutation.	Language Reference Booklets www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary) Download ' <u>Ap Geiriaduron</u> ' - free dictionary app to your phone or tablet for instant translation of words.	Various Key Tasks - assessed pieces of work, some of which to be completed at home End of Unit Assessment (Reading, Writing, Oral)



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Year 8

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Mathematics	Graphs (Conversion, Time, Travel); Powers and Estimation; Statistics (Diagrams, Charts, Questionnaires)	http://www.mymaths.co.uk/	Weekly homework assignments and an assessment test at the end of each half-term.
English	<u>War</u> Students will explore the theme, looking at poetry, art and literature. We will be reading Private Peaceful and there will be a focus on improving textual analysis and key writing skills.	BBC Bitesize Imperial War Museum Wilfred Owen	War research tasks Assessed pieces will be: Descriptive writing Letter writing Poetry analysis
Science – Biology	Cell structure and functions of parts, different cells for different jobs, using a microscope, organs and organ systems. Structure and functions of parts of the human reproductive system, puberty, menstrual cycle, fertilisation. These topics will deliver several aspects of the LNF framework as well as developing pupils' revision skills and scientific investigation skills.	BBC Bitesize KS3 Encourage pupils to watch appropriate scientific television programmes Microscopes, human body kit, 'Horrible Science' kits would make good Christmas presents! Horrible Science books e.g. Microscopic Monsters, Blood bones and Body Bits	Frequent homework 2 pieces of teacher marked assessed homework 1 or 2 teacher marked tests depending on work covered (pupils will be tested on the work carried out in class and will be expected to prepare and learn the work at home)
Science - Chemistry	Elements and Compounds Elements and symbols, definitions, Periodic Table, metals and non-metals and physical/chemical changes. These topics will deliver several aspects of the LNF framework as well as developing pupils' revision skills and scientific investigation skills.	BBC bitesize KS3	Regular assessed homework, see booklet. End of booklet test.
Science - Physics	Displaying Data: Tables and Graphs. Static Electricity. Electric Circuits: Why does Current flow? , Conductors and Insulators, Circuit Components and	www.bbc.co.uk/bitesize/ks3 http://www.twothirtyvolts.org.uk www.youtube.com Watch appropriate scientific TV programmes.	Frequent homework throughout all booklets, marked in class. Assessed homework on Tables and Graphs (Key Task).



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	Symbols, Series and Parallel Circuits and Voltage. Skills include: Numeracy, Literacy, Communication and Practical Skills, along with revision skills.		Assessed Homework on Static Electricity (Key Task). ICT Exercise on Lightning. Assessed Homework on Introduction to Circuits (Key Task), Numeracy Assessment on Voltage, Assessed Homework on Series and Parallel Circuits and Voltage. End of Topic Test.
Art	Still Life Painting Unit Students work from still life set ups. They look at artists who have looked at still life to inform and inspire their own Artworks. They learn a range of paint application techniques and colour mixing skills.	Y Pant school website. Look at examples of Painting work in Key Stage 3 Art. Research into Artists who have worked with similar techniques or subject matter	Ongoing assessment throughout project & Final Painting piece assessed. Homework listed in back of students sketchbooks.
Drama	Developing Drama Improvisation Textual study. Refining performance skills.	www.bbc.co.uk/education www.youtube.com www.childdrama.com	Scriptwriting plan for 'The Three Wishes' – Examination.
DT	Mood Lamp Project. Pupils design and make an environmentally friendly mood lamp that incorporates a darkness sensing circuit. They will develop their designing and sketching skills and extend their capabilities within the workshop.	www.technologystudent.com	Assessment will be ongoing but there are two opportunities for focused assessment within the project. The first will be completed at the end of the designing phase of the project and the second will be completed at the end of the making phase.
DT Food	Use of milk, eggs and cheese in food production. Shaping and glazing food.	www.bbc.co.uk/food/techniques .	Frequent food product evaluations. Function of eggs literacy assessment. Key task assessment on the uses of milk in food production.
DT Textiles	Designing and making a cushion.		Carrying out a questionnaire and evaluation of the cushion.
Geography	Europe and Life in the Mediterranean Pupils will develop a knowledge and understanding of: <ul style="list-style-type: none"> • Important political, human and physical features of Western Europe. • Atlas skills and the concept of latitude and 	http://www.geographyalltheway.com/ http://www.bbc.co.uk/education/subjects/zrw76sg https://earth.google.co.uk/	Investigation of a European country Decision-making exercise: Should Guiseppe stay in the south of Italy, or move to the north?



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	<p>longitude.</p> <ul style="list-style-type: none"> Describe the Mediterranean region and identify aspects of its geography which give rise to its distinctiveness. Investigate the physical and human features of Italy which give rise to the country's distinctive characteristics and regional variety. 	<p>https://www.instantstreetview.com/</p> <p>A good quality atlas</p>	
History	<p>Was Richard III really buried under a carpark? Enquiry / Why was Henry VII such a good king? Was Henry VIII a monster? Enquiry relating to: Henry's marriages / The Dissolution of the Monasteries / The Acts of Union / Tudor Religion</p>	<p>School produced booklets 'Horrible Histories' BBC History & BBC Bitesize</p>	<p>Extended writing examining all of the evidence provided on the topic and reaching a judgement on it. Sept Extended writing/presentation in answer to this question providing supporting evidence for the decision reached. Oct/Nov Enquiry based exercise 'How Bloody Was Bloody Mary?' Nov/Dec</p>
IT	<p>Looking at the "Use of Technology" in today society and having a balanced approach</p> <p>Databases- real-life database, how to sort, filter and create meaningful queries</p>	<p>http://www.cybersmart.gov.au/Schools</p> <p>http://www.bbc.co.uk/education/guides/zswnb9g/revision</p>	<p>Key Task :- research and feedback on a chosen technology in today's society</p> <p>Key Task:- To sort and filter data to gain meaningful results within a database</p>
Music	<p>Improvisation Blues Carousel Ensemble playing and developing confidence as a soloist Composing with modes and classical Indian music</p>	<p>www.jazzkids.com</p> <p>www.hwb.com</p> <p>www.youtube.com</p>	<p>Rehearsal out of lessons. Research into Indian music and instruments</p>
PE	<p>Health, Exercise & Well being Invasion Games, Gymnastics/Dance Pupils will understand the difference between long term effects of exercise on the body and how it adapts as well as the immediate effects on the body. Pupils will learn and consolidate learning of the major muscles of the body</p>		<p>Pupils assessed throughout course through observation and Q and A.</p> <p>Pupils are not only assessed on their ability to perform but also their ability to understand the principles behind movement and skills over a variety of practical areas of activity. Pupils will begin taking on roles such as coaching & officiating as well as participating</p>



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PSE / WBQ	Cultures, multi-culturalism and social behaviour *Visits from RCT Career Service *Visits from Community Nurse	http://www.redcross.org.uk/What-we-do/Teaching-resources http://www.bbc.co.uk/schools/pshe_and_citizenship/ http://www.familylives.org.uk/advice/secondary/health-and-development/talking-to-your-child-about-culture/	Parents are encouraged to discuss current affairs issues and relevant topical political stories with children.
Religious Ethics & Philosophy	<u>The Journey of life- Christianity</u> <ul style="list-style-type: none"> • Rites of passages/milestones. • Community and belonging – group presentation/oracy. • Christian infant baptism/Christening (beliefs, teachings and practices). • Symbols and symbolisms associated with infant baptism/Christening. 	http://www.bbc.co.uk/religion/religions/christianity/ http://christianity.org.uk/ http://www.bbc.co.uk/schools/religion/christianity/questions.shtml http://request.org.uk/life/rites-of-passage/infant-baptism/ https://www.churchofengland.org/media-centre/news/2013/07/top-10-facts-about-christenings.aspx	Assessment: Diary writing literacy assessment Write an account which gives a detailed <u>description</u> of an infant baptismal ceremony and <u>explains</u> the purpose and significance of baptism.
Spanish	En el pueblo Various activities available online with the view of learning: where you live and what facilities there are, what there is in your town or village and what there is to do where you live.	http://www.aprenderespanol.org http://www.linguascope.com/ http://www.bbc.co.uk/schools/primarylanguages/spanish/ http://www.primaryresources.co.uk/mfl/mfl_spanish.htm Find us on Quizlet!! (Valle Fernandez) School produced booklet	Reading comprehension and extended writing about your town.
Welsh	<u>Holidays</u> Modes of transport; Holiday activities; The Weather; Tenses - Present, Past, Imperfect	Language Reference Booklets www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary) Download 'Ap Geiriaduron' - free dictionary app to your phone or tablet for instant translation of words.	Various Key Tasks - assessed pieces of work, some to be completed at home. End of Unit Assessment (Reading, Writing, Oral)



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Year 9

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Mathematics	(Sets 1&2): Pythagoras; Circles; Formulas (Set 3): Formulas; Circles; Statistics; Accuracy (Sets 4&5): Area; Number; Symmetry; Statistics	www.mymaths.co.uk	Weekly homework assignments and an assessment test at the end of each half-term.
English	<u>The Horror Genre</u> Pupils will begin by studying extracts from Bram Stoker's Dracula, before exploring other writers; techniques within this genre. Using the conventions of horror, pupils will create their own narrative writing and debate the controversial issues surrounding horror books, films and videogames.	Reading horror novels independently. These could include David Walliams' Demon Dentist for less able readers or Mary Shelley's Frankenstein for very able readers.	Pupils will be expected to develop their own understanding of how the genre is created using certain conventions. Reading widely around the topic will help. Assessed pieces will be: Reading comprehension of Dracula extract, narrative writing task and debating.
Science – Biology	Balanced diet, obesity and type 2 diabetes, food tests, energy content of food. Properties of enzymes, digestive enzymes, the digestive system. These topics will deliver several aspects of the LNF framework as well as developing pupils' revision skills and scientific investigation skills.	BBC Bitesize KS3 and KS4 NHS Choices: Diet Healthy 4 Life Encourage pupils to watch appropriate scientific television programmes about health and dietary issues.	Frequent homework. 2 pieces of teacher marked assessed homework End of topic test (pupils will be tested on the work carried out in class and will be expected to prepare and learn the work at home)
Science - Chemistry	Chemical reactions part 1 Formulae, balancing equations and definitions. Also, different reaction types are studied. These topics will deliver several aspects of the LNF framework as well as developing pupils' revision skills and scientific investigation skills.	BBC bitesize KS3	Regular assessed homework, see booklet. End of booklet test.
Science - Physics	Displaying Data: Graphs, Lines of Best Fit and Patterns in Graphs. Travelling Sound: Vibrations and Sound Waves,	www.bbc.co.uk/bitesize/ks3 http://www.educationquizzes.com/ www.youtube.com	Frequent homework throughout all booklets, marked in class. Assessed homework on Graphs (Key Task).



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	<p>Transverse and Longitudinal Waves, Travelling Sound and Speed of Sound. The Ear, Loudness and Pitch: the Ear & Hearing, Noise and Loudness, Frequency and Audible Range, Ultrasound, Displaying Sound Waves and Wave Terms Revision. Skills include: Numeracy, Literacy, Communication and Practical Skills, along with revision skills.</p>	<p>Watch appropriate scientific TV programmes.</p>	<p>Assessed homework on Vibrations, Sound Waves, Transverse and Longitudinal Waves, Travelling Sound & Speed of Sound (Key Task). Assessed homework on the Ear & Hearing, Noise and Loudness, Frequency and Audible Range, Ultrasound, Displaying Sound Waves and Wave Terms. Project work on the Mosquito Device and the Dangers of Loud Noise. End of Topic Test.</p>
Art	<p><u>Similarities / Differences -Thematic enquiry</u> Students look at similarities / differences in a range of subject matter. They carry out research to inform ideas that will be developed and realised through a choice of Painting / Print / 3d media.</p>	<p>Y Pant school website. Look at examples of work in Key Stage 3 Art. Research theme.</p>	<p>Ongoing assessment throughout project & Final piece assessed. Homework listed in back of students sketchbooks.</p>
Drama	<p>Physical Theatre Physicality. Movement. Interpretation of Text.</p>	<p>www.bbc.co.uk/education www.youtube.com www.dv8.co.uk</p>	<p>Research companies. Read 'Blood Brothers' Watch filmed examples</p>
DT	<p><u>Mobile Phone Holder Project.</u> Pupils design and manufacturing a flat packed mobile phone holder. Pupils will develop their skills in CAD/CAM and graphics. <u>Electronic Board Game Project</u> Pupils design and manufacture a board game that has an integrated electronic dice. They will develop their designing skills and electronic assembly skills including soldering.</p>	<p>www.technologystudent.com www.technologystudent.com</p>	<p>Homework - make a model out of card of their final design. Parents can help pupils to problem solve during this activity and develop a working prototype. Graphic work for this project will be set as homework. Pupils will be producing the drawings needed for their board game design. Assessment ongoing for both projects but there are two opportunities in each project for focused assessment. The first will be completed at the end of the designing phase of the project and the second will be completed at the end of the making phase.</p>
DT Food	<p><u>Developing skills in food production</u> Recipe adaptation, sauce making, pastry making,</p>	<p>www.bbc.co.uk/food/techniques</p>	<p>Key task, factors affecting food choice, literacy assessment on religion and food choice.</p>



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	bread making, food styling and factors affecting food choice.		Frequent food product evaluations. Numeracy assessment on recipe changes needed for different amounts of people.
French	Ma zone- Talking about where you live, Giving directions. Describing activities you can do locally.	BBC Bitesize KS2&KS3 French online- http://www.bbc.co.uk/education	Vocab tests, Paragraph about your town with ICT. Giving a short presentation about where you live.
Geography	<p>1. <u>Where in the World?</u> 2. <u>Why are we living in an increasingly unequal world?</u></p> <p>Pupils will develop a knowledge and understanding of:</p> <ul style="list-style-type: none"> • Political, human and physical features of the planet. • More advanced atlas and map skills. • The physical and human features of Kenya which give rise to the country's distinctive characteristics and regional variety. • Compare the characteristics of development in the country with global patterns and investigate their effects on the quality of life of different groups of people; 	<p>http://www.geographyalltheway.com/ http://www.bbc.co.uk/education/subjects/zrw76sg https://earth.google.co.uk/ https://www.instantstreetview.com/</p> <p>A good quality atlas</p>	<ul style="list-style-type: none"> • Investigation of a world country • Decision-making exercise: Can tourism provide a sustainable future for Kenya? • A Migrant's Diary
History	<p>What was the Industrial Revolution? Enclosing a village: Investigation into how might be the best way to enclose a village. Why did so many people die of Cholera? Did Dic Penderyn deserve to be hanged? Who was Jack the Ripper? Enquiry and Interpretation dealing with: What was life like in Whitechapel? Who were the victims and how did they die? The role of the police Creating a criminal profile of the killer The various suspects</p>	<p>School produced booklets 'Horrible Histories' BBC History & BBC Bitesize</p>	<p>A report based on what a newly enclosed village would look like and the reasons for it. Sept An assessment on Dic Penderyn targeting Historical Enquiry and Historical Interpretation Sept/Oct Students produce an in depth investigation based on all of the areas indicated in column two and reach a decision as to who they think is Jack the Ripper. This can be presented in the form of an extended essay, a PowerPoint or a film clip. End of term</p>



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IT	<p>Digital footprint- what they are and how they affect us. How to keep a good digital footprint</p> <p>Photography unit – to look at the key elements when taking a successful photo. Editing and manipulating images using suitable software</p>	<p>http://www.kidsmart.org.uk/digitalfootprints/</p> <p>https://helpx.adobe.com/photoshop/topics.</p>	<p>Key Task:- To create an “Inctrl” plan on how to keep a good digital reputation</p>
Music	<p>Film Music/Skyfall</p> <p>Classroom Orchestra</p> <p>Performing James Bond as part of the classroom orchestra</p> <p>Developing critical listening skills through the music of John Williams</p> <p>Compose music for a short extract from the movie blockbuster Sherlock Holmes</p>	<p>www.filmsound.org www.gettingthescore.com www.youtube.com</p>	<p>Research into John Williams, American Film composer</p> <p>Listen critically to soundtracks when viewing television programmes and films (and playing video games!)</p>
PE	<p>Health, Exercise & Well being</p> <p>Invasion Games, Gymnastics/Dance</p> <p>Pupils will understand the different methods of training appropriate to developing different components of fitness in preparation for GCSE.</p> <p>Pupils will learn and consolidate learning of the major muscles of the body.</p>		<p>Pupils assessed throughout course through observation and Q and A.</p> <p>End of Key Stage Level awarded.</p> <p>Pupils are not only assessed on their ability to perform but also their ability to understand the principles behind movement and skills over a variety of practical areas of activity.</p> <p>Pupils will take a more active part in coaching & officiating as well as organising sessions.</p>
PSE / WBQ	<p>Pupils will study extremism, the stereotype of fundamentalism and equality. By learning the basic fundamentals of the United Nations’ Children’s Bill of Human Rights they will develop a greater understanding and appreciation of their rights and the injustice of those that are denied them.</p>	<p>http://www.unicef.org.uk/UNICEFs-Work/UN-Convention/</p>	<p>Parents are encouraged to discuss current affairs issues and relevant topical political stories with children.</p>



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Religious Ethics & Philosophy	GCSE WJEC R.E.P. Christian beliefs about God Beliefs about the Trinity Jesus key events: birth, crucifixion, resurrection and ascension. Christian beliefs and teachings to creation (Genesis 1-3)	Film – God’s not Dead http://www.telegraph.co.uk/culture/film/11113278/Does-the-human-eye-prove-that-God-exists.html https://www.google.co.uk/#q=does+god+exist+youtu http://www.bbc.co.uk/schools/gcsebitesize/rs/god/argumentsrev1.shtml http://www.bbc.co.uk/schools/gcsebitesize/rs/god/ http://www.bbc.co.uk/schools/gcsebitesize/rs/god/hinduismrev1.shtml http://www.bbc.co.uk/education/clips/zt734wx	Assessment 1: Unseen reading assessment paper. Other assessments: GCSE exam style question practice.
Welsh	<u>Shopping</u> Types of shops; Money; Asking prices; Tenses – Present, Past, Imperfect, Future	Language Reference Booklets www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary) Download ‘Ap Geiriaduron’ - free dictionary app to your phone or tablet for instant translation of words.	Various Key Tasks - assessed pieces of work, some of which to be completed at home. End of Unit Assessment. (Reading, Writing, Oral)



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Year 10

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Mathematics	Higher (types of number, statistics, straight line graphs, transformations) See department area on the school web-site for more specific details.	www.mymaths.co.uk	Weekly homework assignments and an assessment test at the end of each half-term.
English	<u>Literature and Language preparation for examinations beginning in June 2016.</u> Pupils will develop the skills of fiction and non-fiction writing. They will also improve their general levels of accuracy in terms of reading. Some themes will be based in real-life situations, so an understanding of current issues will be important. We will also be studying the Literature set texts for exams taken in Year 11 to enhance their study of the Language course.	BBC Bitesize Newspaper websites Charity websites Magazines/Leaflets/Newspaper reading is crucial. Wider reading around the set texts Watching film/ TV adaptations of set texts	October reading SAMS Mock exam in December Non-fiction writing tasks



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<p>Science – Biology Amount of work covered depends on whether pupils are being prepared for double or triple award science.</p>	<ol style="list-style-type: none"> 1. <u>Cells and Movement Across Cell Membranes</u> Cell structure, Microscopes, Enzymes, Cell membranes, Diffusion and Osmosis 2. <u>Blood and Circulation</u> Blood, Blood Vessels, Heart, Cardiovascular Disease 3. <u>Plants and Photosynthesis</u> 	<p>BBC Bitesize KS4</p> <p>Bangor University website – search GCSE revision guide</p> <p>Encourage pupils to watch appropriate scientific television programmes</p>	<p>Regular homework consisting of past paper questions.</p> <p>Key tasks – assessed homework and end of topic tests</p>
<p>Science – Chemistry Amount of work covered depends on whether pupils are being prepared for double or triple award science.</p>	<p><u>Atomic Structure and The Periodic Table</u> The periodic table Metals and Non-metals The structure of the atom</p> <p><u>Compounds and Mixtures</u> Formulae of compounds Chemical equations Separating mixtures</p> <p><u>Alkali metals and the Halogens</u> Reactions of the alkali metals Reactions of the halogens</p>	<p>GCSE bitesize WJEC webpage</p>	<p>Regular assessed homework, see booklet.</p> <p>End of booklet test. All based on past paper questions</p>
<p>Science – Physics Amount of work covered depends on whether pupils are being prepared for single, double or triple award science.</p>	<ol style="list-style-type: none"> 1. Waves: Transverse and Longitudinal, Wave Terms and Wave Equations, Speed of Water Waves, Reflection and Refraction, The Electromagnetic Spectrum and Ionising Radiation and Satellites. 2. Generating and Distributing Electricity: Energy Types and Transfer, Efficiency, Non-Renewable and Renewable Energy, Power Stations and Generating Electricity, The Carbon Footprint, Distributing Electricity and the National Grid and Electrical Power. 3. Density, Heat Transfer and Heat Loss in Homes: Density, Conduction, Convection and Radiation, Heat Loss In Homes and Insulation, Payback Time. 4. Domestic Energy and Electricity: Power and 	<p>www.thestudentroom.co.uk www.gcse.com www.fizzics.org/gcse-physics-notes-and-video www.bbc.co.uk/schools/gcsebitesize</p> <p>Watch appropriate scientific TV programmes.</p> <p>New Scientist Magazine.</p>	<ol style="list-style-type: none"> 1. Past paper Questions on Transverse and Longitudinal, Wave Terms and Wave Equations, Speed of Water Waves, Reflection and Refraction, The Electromagnetic Spectrum and Ionising Radiation and Satellites. Assessed Homework on Transverse and Longitudinal, Wave Terms and Wave Equations, Speed of Water Waves, Reflection and Refraction and The Electromagnetic Spectrum and Ionising Radiation. End of Topic Test on Waves. 2. Past paper Questions on Generating and Distributing Electricity. Assessed homework on: Energy Types and



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	<p>Paying for Electricity, AC and DC, Fuses and Circuit Breakers, Calculating Fuse Values and Ring Mains.</p>		<p>Transfer, Efficiency, Non-Renewable and Renewable Energy, Power Stations and Generating Electricity and The Carbon Footprint (Key Task). End of Topic Test – Generating and Distributing Electricity. 3. Past paper Questions on Density, Conduction, Convection and Radiation, Heat Loss In Homes and Insulation, Payback Time. Assessed Homework on Density, Conduction, Convection and Radiation (Key Task). End of Topic Test – Density, Heat Transfer and Heat Loss in Homes. 4. Past paper Questions on Domestic Energy and Electricity. Assessed Homework on Power and Paying for Electricity. End of Topic Test – Domestic Energy and Electricity.</p>
Art	<p><u>STRUCTURES – PRINT UNIT</u> Students look at a range of Structures - natural forms, microscopic cells, architecture etc. and record in a variety of media. They also refer to other artists who have been inspired by Structures. They work through the design process to create a finished print piece which is realised in lino or silk. The designs are based on their research and observations made.</p> <p>A visit to The Oxford Botanical Gardens and Natural History Museum to see first-hand examples of botanical structures and natural forms enhances students design work</p>	<p>Y Pant school website. Look at examples of Print projects carried out in Key Stage 4 Art.</p> <p>Research into a range of artists and designers who are inspired by Structures</p> <p>Reference to The Victoria & Albert Museum website is helpful as well as using the internet to look at artists and find inspiration from the wealth of imagery available online.</p>	<p>Ongoing discussion with staff throughout project. Internal assessment on completion of the unit. Feedback given to students. Students may make changes to this unit and work back into parts to gain a better grade during Art club. This unit will form part of the 60% coursework folder which forms the final grade when work is exhibited for final assessment at the end of Yr11</p> <p>Homework - listed in back of students sketchbooks.</p>
Business	<p>Why do businesses exist? Mission statements and SMART objectives Stakeholders</p>	<p>http://www.bbc.co.uk/news/business Dragons Den The Apprentice</p>	<p>Homework set in relation to topics studied End of unit assessment (end of November/start of December)</p>



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	Enterprise and entrepreneurs Production function within a business (production methods, quality control, new technology) Breakeven analysis	You tube Visit to Cadbury World Visit to Prague (visit Skoda factory and Staropramen Brewery)	
Computer Science	<p>Practical:- Preparation for controlled assessment:- Software Development</p> <p>Pupils to practice python programming skills and learn language and function in preparation for controlled assessment</p> <p>Theory :- Pupils to look at the following topics:-</p> <ul style="list-style-type: none"> • Computer Architecture • Input/output • Primary storage • Secondary storage • Storage requirements • Embedded system 	<p>Practical:- www.usingpython.com</p> <p>Theory :- http://www.wjec.co.uk/qualifications/computer-science/r-computer-science-gcse-2017/</p>	<p>Practical:- Various Key Task to test Python skills</p> <p>Theory :- 1 open book mock 1 closed book mock to test knowledge and understand of theory concepts so far</p>
Drama	The Office Developing new acting skills. Effective time management. Enhancing performance skills.	www.wjec.co.uk www.bbc.co.uk/writersroom www.dramaresource.com	Script writing skills. Devising 'The Office'. Out of class rehearsals.
D&T Engineering Design	<p>Pupils will develop their designing skills learning how to sketch in isometric view and how to use the latest CAD software.</p> <p>Pupils will develop their knowledge of mechanisms. They will learn how to build mechanical systems and make associated calculations.</p>	www.technologystudent.com	<p>Pupils will design and make a small vehicle learning about gears, forces and vacuum forming. The quality of their design work and final product will be assessed.</p> <p>Pupils will learn about cams and followers and apply the theory to a small automata. There will be an end of unit test in November.</p>



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D&T Product Design	Pupils will develop their understanding of the Core unit. This will include looking at the evolution of design, examining a range of products and how they are made.	www.technologystudent.com	Pupils will produce a candle holder based on CAD/CAM. During this project their designing skills will be assessed.
Engineering	Pupils will be introduced to a range of engineering equipment and processes. Lessons will combine both theory and practical work in preparation for their Unit 1 exam at the end of Year 10.	www.technologystudent.com	Pupils will produce a bottle opener from mild steel with a dip coated finish. The accuracy of their measuring and marking, their ability to handle tools and equipment and the quality of finish will be assessed. Past paper questions will also be regularly assessed.
Child development	Different families, children with special needs, childcare provision and Physical development.	www.bupa.co.uk www.nurseryworld.co.uk	2 key tasks, family and culture and pressures on families for the family unit and frequent extended writing questions. 2 key tasks for children with special needs, one relating to support for these families and the other for families and legislation.
Construction	Pupils will start to study the theory content required for the examination at the end of Year 10 and will develop work shop skills in preparation for their practical assessment in unit 2.	www.technologystudent.com	Pupils will be assessed on past paper questions and receive significant diagnostic verbal feedback during all practical lessons.
Food and nutrition	<u>Principles of nutrition</u> Macro and micronutrients, energy requirements of individuals, planning balanced diets. <u>Fruit and vegetables</u> Types and classification, nutritional values, enzymic browning and oxidation. Practical and experimental work. <u>Bread, Cereals and flour</u> Food provenance. Practical and experimental work. Bread production.	BBC bitesize www.bbc.co.uk/food/techniques foodafact of life	Key task related to application of nutrition, fruit and vegetables and bread and cereals. Frequent exam style questions. Preparation of ingredients for the practical work.
Health & Social	Life stages and the importance of play.	NHS wales.	Research on life stages, exam questions and end of topic tests.



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Care			
Geography	<p>1. Core Theme One:</p> <ul style="list-style-type: none"> Landscapes and Physical Processes <p>2. Options Theme Four</p> <ul style="list-style-type: none"> Coastal Hazards and their Management 	<p>http://www.ngfl-cymru.org.uk/vtc/meanders_floodplain/eng/Introduction/default.htm</p> <p>http://www.ngfl-cymru.org.uk/vtc/ngfl/2007-08/geog/irf24/index.html</p> <p>http://www.metoffice.gov.uk/climate/uk/extremes/index.html</p> <p>http://www.montserratvolcanoobservatory.info/</p>	Two structured data response questions.
History	USA 1910-29 Immigration, Xenophobia, Race Relations, Prohibition, Boom & Bust, Popular Entertainment	School produced booklets History Channel YouTube	Booklets of past paper questions which are completed every week End of module mock examinations Factual recall tests
IT	<p>Practical – Solving Problems with ICT, tasks and activities to prepare for controlled assessment</p> <p>Theory :- Unit 1: Understanding ICT</p>	<p>http://www.wjec.co.uk/qualifications/ict/r-information-and-communication-technology-gcse/</p> <p>Text book: - WJEC ICT for GCSE Student Book 2nd Edition Paperback – 25 Jun 2010</p>	<p>Range of Key Task in order to prepare for controlled assessment</p> <p>Various set activities and past paper questions to prepare for exam and controlled assessment Mini mock tests on various sub-topics</p>
Media Studies	<p>Unit 2 Introduction to media terminology Introduction to key media concepts. Study representation of gender within the advertising Industry. Begin production research folder</p>	<p>http://www.mediaknowall.com/gcse/</p> <p>https://livewellforless.sainsburys.co.uk/about-our-christmas-tv-ad/</p>	Media terminology test. Assessment of research
Music	Intro to GCSE Build advanced composition skills Basic music theory Stylistic awareness and critical listening Ensemble and solo performances	<p>www.youtube.com</p> <p>www.musicatschool.co.uk</p> <p>www.soundandmusic.org</p>	<ul style="list-style-type: none"> Follow a regular and effective practice routine. Listen critically to a broad range of music from various radio stations such as Radio 3, Jazz FM for example. Constantly create starting points for new



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			compositions, developing a few of them further.
PE	<p>UNIT 1 – Health, training, exercise and lifestyle choices. Benefits of exercise, consequences of leading a sedentary lifestyle. FITNESS & FITNESS TESTING in practical sessions.</p> <p>Core PE – Health, Fitness and Well being Invasion Games – Small number of pupils to start Sports Leaders L2.</p>	<p>http://www.wjec.co.uk/qualifications/physical-education/physical-education-gcse/ http://www.wjec.co.uk/wjec-gcse-physical-education-spec-from-2016-e.pdf?language_id=1&dotcache=no&dotcache=refresh</p>	<p>Key Task in work booklet to be completed by each student and marked accordingly.</p> <p>Peer and Self-Assessment tasks throughout unit. End of topic test. Self-Assessment sheet to be completed at end of unit setting appropriate targets for the topic in hand.</p> <p>Q & A on understanding in Core lessons</p> <p>Sports Leaders to begin filling their Learner Evidence Record to be assessed. Pupils to lead sessions relating to this qualification</p>
WBQ	<p>Individual Project; Research into Career Pathways- Is this a suitable career pathway for me?</p> <p>Global Citizenship Challenge; Skills Development- War and Conflict</p>	<p>https://www.careerswales.com/en/tools-and-resources/job-information/ https://www.careerswales.com/en/tools-and-resources/job-information/subject-links/ http://www.wjec.co.uk/qualifications/welsh-baccalaureate/welsh-bacc-from-2015/ks4-national-foundation/</p>	<p>Advantageous for parents to ask about their child's chosen career pathway. Give guidance and encouragement where relevant. A good reference point is the Careers Wales website as shown. Assessment of Project is in Spring 1 of Year 11. Assessment of GC Challenge is in Spring 2 of Year 10.</p> <p>Very useful for children to be engaged in voluntary organisations or work inside or outside of school.</p>
Religious Ethics & Philosophy	<p><u>GCSE R.E.P. (Teaching groups 1-3)</u> <u>Complete Christian practices from year 9:</u></p> <ul style="list-style-type: none"> • Worship • Church • Social justice <p><u>Judaism – Core Beliefs, Teachings and Practices</u></p>	<p>WJEC EDUQAS GCSE (9-1) R.S. Route A' by Chris Owens, Ed Pawson, Joy White and Amanda Ridley, Hodder Education (This is the England spec version – Wales version to be published later in 2017)</p>	<p><u>Test/Assessment –</u></p> <p>End of unit tests.</p> <p>Exam style question practise.</p>



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	<ul style="list-style-type: none">• The concept of God• Shema• Sacred place → The synagogue• Differences in tradition: Orthodox, Reform, Liberal• The home: a place of worship, identity, celebration and traditions Practices• Practices that demonstrate beliefs about God →• Reciting the Shema in the morning and evening →• Reasons why God must not be depicted in art and sometimes his full name is not used (G-d) →• Reasons why kippah is worn → Reasons why Jewish men (some Liberal Jewish women) wear tallith• Worship in the home and synagogue <p><u>Vision2Learn Level 2 Equality and Diversity (Teaching groups 4-5)</u></p> <ul style="list-style-type: none">• Unit One:• Equality and Diversity in Society <p>This unit covers the following topics:</p> <ul style="list-style-type: none">• What is meant by 'equality' and 'diversity'• The effects of stereotyping, labelling, prejudice and discrimination• Different characteristics that make people who they are.	<p>Cato, V., <i>Religion in Focus – Judaism in Today's World - Student's Book</i>, (2001) Hodder Murray ISBN 978-0719571978</p> <p>Forta, A., <i>Examining Religions – Judaism</i>, (1995) Heinemann ISBN 978-0435303211</p> <p>BBC Bitesize KS4</p> <p>https://www.vision2learnforschools.com/courses/equality-and-diversity.aspx</p>	<p>Online formal assessment for unit 1</p>
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Spanish	<u>Comidas y la vida sana</u> Various activities available online with the view of learning about healthy eating and living, learning about Spanish food and describe contents of a dish. Recognising key health issues, explaining the causes and consequences of health problems.	http://www.linguascope.com/ http://www.aprenderespanol.org/ http://www.linguascope.com/ School produced booklets Find us on Quizlet!! (Valle Fernandez)	Vocabulary tests every two weeks
Welsh	Holidays Relationships <i>Language Activities (Grammar)</i>	Language Reference Booklets www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary)	Various assessed pieces of work, some of which to be completed at home



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Year 11

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Mathematics	<p>Trigonometric graphs, percentages, loci, probability and transformations.</p> <p>See department area on the school web-site for more specific details of higher and foundation tiers.</p>	<p>www.mymaths.co.uk</p>	<p>Weekly homework assignments and an assessment test at the end of each half-term.</p>
English	<p><u>Literature exam preparation</u> Pupils who attained their target grade in English Language will be studying English Literature, following the set texts set by the class teacher. Exams will be sat in January and May.</p> <p><u>Language Resit</u> A study of the Language skills will continue in lessons, with resit opportunities in November and June.</p>	<p>BBC Bitesize Newspaper websites Magazines/Leaflets/Newspaper reading is crucial. Wider reading around the set texts. Watching TV and film adaptations of the set texts.</p>	<p>Reading mock exam in October for resit pupils Poetry Controlled Assessment on 4th December Extract assessment in lessons</p>
Science - Biology	<p><u>Triple Award</u></p> <ol style="list-style-type: none"> 1. Classification and Biodiversity (most of this was completed at the end of the summer term) 2. Response and regulation <ul style="list-style-type: none"> • Nervous system and the eye • Control of blood sugar and diabetes • Control of body temperature • Lifestyle choices and disease (e.g. obesity and alcohol) • Plant responses 3. The Kidneys and kidney failure 4. Disease <ul style="list-style-type: none"> • Microorganisms • The body's defences • The immune response 	<p>BBC Bitesize KS4 Bangor University website – search GCSE revision guide NHS Choices – Respiratory diseases Encourage pupils to watch appropriate scientific television programmes New Scientist magazine</p>	<p>Frequent homework mainly consisting of appropriate past paper questions – marked in class.</p> <ol style="list-style-type: none"> 1. End of topic test 2. 1 assessed homework and 1 end of topic test 3. End of topic test 4. End of topic test <p>Mock practical exam at the end of term. This replaces coursework/controlled assessment. The actual practical examination will take place in January (date to be confirmed).</p>



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	<p><u>Double Award (Biology Section)</u> As triple award but pupils do not study the following:</p> <ul style="list-style-type: none"> • Plant responses • The kidneys and kidney failure 		
<p>Science - Chemistry</p>	<p><u>Atomic Structure</u> Detailed structure of the atom and calculation of relative atomic mass. <u>Calculations</u> Empirical formula, reacting masses, atom economy, percentage composition and yield, bond energy calculations.</p>	<p>GCSE bitesize WJEC webpage</p>	<p>Regular assessed homework, see booklet. End of booklet test.</p>
<p>Science – Physics</p> <p>Amount of work covered depends on whether pupils are being prepared for single, double or triple award science.</p>	<p>1. Speed and Travel Graphs: Speed and Acceleration, Distance-Time Graphs and Speed – Time Graphs. 2. Current, Resistance and Simple Circuits: Circuit Symbols, Series and Parallel Circuits, Resistance and Ohms Law, I – V Characteristics of Resistors and Bulbs, Electrical Power. 3. Forces: Balanced and Unbalanced Forces, Newton’s Laws, Weight and Mass, Freefall and Terminal Velocity, Momentum and Momentum Change, Work Done, PE and KE, Car Stopping Distances and Car Safety Features. 4. Half Life, Fission and Fusion: Types of Radiation, Half Life, Uses of Radiation, Nuclear Structure and Equations, Fission, The Nuclear Reactor and Fusion. Controlled Assessment carried out in Class with Only Limited Research Being Carried Out at Home. Skills include: Numeracy, Literacy, Communication and Practical Skills, along with revision skills. 5. Waves and Earthquakes: Transverse and Longitudinal Waves, Wave Terms, Reflection and Refraction of Light and Water Waves, TIR and Fibre Optics, Earthquake Waves and the Structure of the</p>	<p>www.thestudentroom.co.uk www.gcse.com www.fizzics.org/gcse-physics-notes-and-video www.bbc.co.uk/schools/gcsebitesize Watch appropriate scientific TV programmes. New Scientist Magazine.</p>	<p>1. Past paper Questions on Speed and Travel Graphs, marked in class. End of Topic Test – Speed and Travel Graphs 2. Past paper Questions on Current, Resistance and Simple circuits, marked in class. Assessed homework on: a. Circuit Symbols, Series and Parallel Circuits, Resistance and Ohms Law, I – V Characteristics of Resistors and Bulbs End of Topic Test - Current, Resistance and Simple circuits. 3. Past paper Questions on Forces, marked in class. Assessed homework on: a. Newton’s Laws, Freefall and terminal Velocity b. Momentum and Momentum Change, Work Done, PE and KE, Car Stopping Distances and Car Safety Features. End of Topic Test – Forces. 4. Past paper Questions on Half Life, Fission and Fusion, marked in class. Assessed homework on: a. Types of Radiation, Half Life and Uses of Radiation</p>



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	<p>Earth, Trilateration and Lag Time.</p>		<p>b. Nuclear Structure and Equations, Fission, The Nuclear Reactor and Fusion End of Topic Test - Half Life, Fission and Fusion. Research Carried Out at Home for Controlled Assessment. 5. Past paper Questions on Transverse and Longitudinal Waves, Wave Terms, marked in class. Past paper Questions on Reflection, marked in class. Past paper Questions on Refraction, marked in class. Past paper Questions on TIR and Fibre Optics, marked in class. Assessed homework on all the above topics. Past paper Questions on Earthquake Waves and the Structure of the Earth, Trilateration and Lag Time, marked in class. Assessed homework on Earthquake Waves and the Structure of the Earth, Trilateration and Lag Time. End of Topic Test – Waves and Earthquakes.</p>
<p>Art</p>	<p>Structures (Mock Exam) Thematic Unit Students continue to look at Structure. They can continue to pursue the same theme as in Yr10 or can diversify. Students will gather research and record in a variety of media. Students choose how they wish to develop this theme and come up with designs for a final piece in any media (2d, 3d, print). They carry out relevant research according to their ideas and produce a final piece in the 5 hour mock exam. A visit to the RWA in Bristol to view first hand a range of artwork enhances students understanding and design work.</p>	<p>Y Pant school website. Look at examples of this project in Key Stage 4 Art. Research Structures theme and specifically chosen area of enquiry. Reference to a range of artists whose work inspires you and the development of your idea.</p>	<p>Ongoing discussion with staff throughout project. Internal assessment on completion of the unit. Feedback given to students. Students may make changes to this unit and work back into parts to gain a better grade during Art club. This unit will form part of the 60% coursework folder which forms the final grade when work is exhibited for final assessment at the end of Yr11 Homework listed on sheet glued into student's sketchbooks.</p>



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Business	Marketing function within a business 4 P's – product, price, place and promotion Consumer protection Market research Market segmentation Branding/USP Analysis of Christmas Marketing campaigns Preparation for mock exam	http://www.bbc.co.uk/news/business Bitesize	Homework set in relation to topics studied Mock exam in December
Computer Science	<p>Practical:- Continue to work on “Developing Computing Solutions” controlled assessment</p> <p>Theory:- Pupils to continue to work through “Understanding Computer Science” theory topics Main focus:- Ethical, Social, and Legal Aspects of Computer Science</p>	http://www.wjec.co.uk/qualifications/qualification-resources.html?subject=ComputerScience&level=GCSE GCSE Computer Science Revision Guide (Letts GCSE 9-1 Revision Success) Paperback – 18 Jul 2016	Controlled Assessment Closed book mock before end of Autumn term on all aspects of theory topics covered so far
Construction	Pupils will complete a range of painting and decorating tasks to complete unit 2 and will prepare for unit 3.		Teacher observations and pupils write ups will be assessed for unit 2.
Drama	Unit 1 / Unit 3 Preparing for Unit 1 Performance Read/study ‘Romeo and Juliet’ Planning for Written Evaluation.	www.youtube.com www.rsc.org.uk www.wjec.co.uk	Read set text. Prepare exam piece. Plan Written Report
DT (Graphics & Systems & Control)	Pupils will be working on their controlled assessment throughout year 11.	http://dt.ypant.co.uk Using ‘Reach’ pupils can access support materials from home to help them prepare for CAT pages.	Pupils will be working on an examination board prescribed task. Assessments will be on going in line with examination board marking schemes.
Engineering.	Pupils will be working on their board prescribed tasks for unit 2 and unit 3. During unit 2 they will be designing a product using a range of drawing techniques and during unit 3 they will be making a	www.technologystudent.com	Pupils will be working on an examination board prescribed task. Assessments will be on going in line with



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	lamp using a range of engineering tools and equipment.		examination board marking schemes.
French	Travel & Holidays, Francophone countries. School Technology	BBC Bitesize KS3 & KS4 French online- http://www.bbc.co.uk/education	Translation practise Extended writing. Oral exam work
DT – Child Development	Food and Health. 30% food coursework assignment.		Culture research. Coursework assessment.
Food and nutrition	Butter, fats and oils, sugar and sweeteners in food preparation. Food science NEA – 20% of GCSE grade	www.bbc.co.uk/food/techniques .	Practical assessment.
DT Health & Social Care	Coursework assignment. Clients and health issues.	NHS wales.	Course work assignment
Geography	<ul style="list-style-type: none"> ○ Core Theme 6: Development and Resource Issues ○ Fieldwork Enquiry 	http://www.ucmp.berkeley.edu/exhibits/biomes/index.php http://www.worldwildlife.org/home.html	Two structured data response questions with extended writing. Written report to display evidence of pupils' understanding of the geographical enquiry process.
History	Depression, War & Recovery -Britain 1930-51 Life in Britain in the 1930s The approach of war Life in Britain during World War II The Labour Government 1945-1951	School produced booklets History Channel YouTube School produced booklets History Channel YouTube	Booklets of past paper questions on Britain 1930-51 module – every week End of module mock exam on each module
IT	Practical :- Continuation of unit 2-Solving Problems with ICT Theory :- Continuation of unit 1 in preparation for	http://www.wjec.co.uk/qualifications/qualification-resources.html?subject=ICT&level=GCSE Book - My revision notes- WJEC GCSE ICT- Ian Paget	Controlled Assessment Series of key Task past paper question practice Closed mock text before Christmas on all theory



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	exam- Understanding ICT		so far
Media Studies	<u>Unit 1 / 2</u> Revise key terminology Introduction to television news (exam topic) Planning stage of production	http://www.mediaknowall.com/gcse/ www.imdb.com www.barb.co.uk	Terminology Test Group/Individual presentations. Research and planning completion for production piece.
Music	Controlled assessment of composition Preparation for the solo and ensemble exam before Christmas Continued development of listening skills and listening exam preparation Initial performance skills.	www.youtube.com www.musicatschool.co.uk www.thestudentroom.com	Follow a regular and effective practice routine strictly. Listen critically to a broad range of music from various radio stations such as Radio 3, Jazz FM for example. Constantly create starting points for a new compositions, developing a few of them
PE	Muscular/Skeletal/ Respiratory/Cardiovascular – Body Systems Planning and writing of Coursework Task – Personal Fitness Programme CORE PE – Health, Fitness and Well being Invasion games	http://qualifications.pearson.com/en/qualifications/edexcel-gcses/physical-education-2009.html	Controlled assessment during lesson times for Personal Fitness Programme. Pupils to plan and carry out programme at home. Key Task in workbooklet to be completed by each student and marked accordingly. Peer and Self Assessment tasks throughout unit. End of topic test. Self-Assessment sheet to be completed at end of unit setting appropriate targets for the topic in hand. Q & A on understanding in Core lessons
Religious Ethics and Philosophy	<u>Full Course WJEC Speciation B Unit 2– Religion and Human Experience</u> <u>Complete unit on Religion, State and Authority</u> <ul style="list-style-type: none"> When religion and state clash- examples. 	Newspaper articles and news clips on Charlie Gard and other examples of religion versus state	<u>Homework –</u> Past paper examination questions. Independent research. <u>Assessment-</u> End of unit test using past papers.



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	<p><u>Religion and Conflict</u> – peace in Christianity and Islam.</p> <ul style="list-style-type: none"> - Peace/conflict - Interfaith dialogue - Just war theory - Jihad – lesser and greater - Human Rights <p><u>Vision2Learn Level 2 Equality and Diversity (Teaching groups 4-5)</u></p> <ul style="list-style-type: none"> • Unit One: • Equality and Diversity in Society <p>This unit covers the following topics:</p> <ul style="list-style-type: none"> • What is meant by ‘equality’ and ‘diversity’ • The effects of stereotyping, labelling, prejudice and discrimination • Different characteristics that make people who they are. 	<p>Film : Hacksaw Ridge</p> <p>http://www.corrymeela.org/ http://www.equalityhumanrights.com/your-rights/human-rights/what-are-human-rights/human-rights-act http://www.un.org/en/universal-declaration-human-rights/ http://www.bbc.co.uk/schools/gcsebitesize/rs/</p> <p>https://www.vision2learnforschools.com/courses/equality-and-diversity.aspx</p>	<p><u>Homework</u> – Past paper examination questions. Independent research.</p> <p><u>Assessment</u>- End of unit test using past papers.</p> <p>Mock exam in December.</p> <p>Online assessment for unit 1</p>
<p>WBQ</p>	<p>Enterprise and Employability Challenge is undertaken during this Term.</p> <p>Community Challenge is completed.</p> <p>Pupils began work on both of these pieces of coursework last year.</p>	<p>http://www.wjec.co.uk/qualifications/welsh-baccalaureate/welsh-bacc-from-2015/ks4-national-foundation/</p>	<p>Enterprise and Employability Challenge is to be completed and handed in by 15/12/17.</p> <p>Pupils should keep a log of the work they have completed towards the Community Challenge. They must get a confirmation statement sheet completed by the person who was responsible for them during the activity. These sheets are available from any Welsh baccalaureate teacher. The deadline for the submission of all Community work is 9/11/17.</p>



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Welsh	Wales and Welshness <i>Language Activities (Grammar)</i>	<i>Language Reference Booklets</i> www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary) Download 'Ap Geiriaduron' - free dictionary app to your phone or tablet for instant translation of words.	<i>Various Key Tasks - assessed pieces of work, some of which to be completed at home</i> <i>1st Oral Coursework task (October)</i>



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Year 12

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Art	<p>Personal Creative Enquiry An exploratory unit based on the theme 'Contrasts'. Students work with a variety of media and techniques, informed by Artists and designers. Students Select their own areas for enquiry and produce research showing coverage of the four assessment objectives. The final piece is completed in a 10 hour mock exam.</p>	<p>Y Pant school website. Look at examples of this project in Key Stage 5 Art.</p> <p>Research into relevant artists and designers to inform individual lines of enquiry</p>	<p>Independent Gallery visits or places of interest documented in sketchbook are essential at this level.</p> <p>Homework listed on sheet glued into student's sketchbooks.</p>
Biology	<ol style="list-style-type: none"> 1. Biological Compounds: Water, carbohydrates, lipids, proteins, food tests 2. Cell organelles (structure and functions), different types of cells (prokaryotic, eukaryotic, viruses), using a microscope (calibrating the microscope, preparing slides, drawing of specimens) 3. Structure of DNA and RNA, extraction of DNA from fruit, replication of DNA, protein synthesis 4. Structure of cell membranes, movement of molecules across membranes (diffusion, facilitated diffusion, osmosis, active transport, endocytosis), water and solute potential 5. Cell division: Mitosis and Meiosis 	<p>Royal Society of Chemistry – search Chemistry for biologists Encourage pupils to watch appropriate scientific television programmes New Scientist magazine</p> <p>Biology Today magazine – can be purchased from school Selection of books available from department – ask teachers for advice</p>	<p>Frequent homework, all of which is marked in class with verbal feedback</p> <ol style="list-style-type: none"> 1. 4 teacher marked tests 2. 2 teacher marked test 3. 2 teacher marked tests 4. 1 teacher marked test 5. 1 teacher marked test
Business	<p>Enterprise Business plans Markets Market research Business Structure Business location Business finance</p>	<p>News related webpages Business news programs Visit to Jaguar Land Rover</p>	<p>Homework set in relation to topics studied End of topic assessments Mock for BS1</p>



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	Business revenue and costs		
Chemistry	<p><u>Basic ideas about atoms</u>: Structure of the atom; Ionisation energy; Spectroscopy</p> <p><u>Formulae and equations</u>: Formulae of compounds, ions etc. as well as balancing equations.</p> <p><u>Radioactivity</u>: Types of radiation; Nuclear equations; Half-life; Uses of radioactivity</p> <p><u>Calculations</u>: Empirical formula, reacting masses, atom economy, percentage composition and yield, bond energy calculations. Calculation of moles, the ideal gas equation and Charles and Boyles Law.</p> <p><u>Mass Spectrometry</u>: Use and structure of a mass spectrometer. Identify the peaks in a chlorine mass spectrum and determine atomic mass for a given mass spectrum.</p>	<p>Departmental booklets</p> <p>WJEC revision booklet</p>	<p>Regular assessed homework</p> <p>End of unit test</p>
Computer Science	<p>Practical :- Practical programming to solve problems Preparation for on-screen exam</p> <p>Theory :- Fundamentals of computer Science</p> <p>Focus Topics</p> <ul style="list-style-type: none"> • Hardware and communication • Logical operators 	<p>http://www.wjec.co.uk/qualifications/qualification-resources.html?subject=ComputerScience&level=GCEASA</p> <p>My Revision Notes OCR A level Computer Science Paperback – 25 Mar 2016.</p> <p>OCR A Level Computer Science Paperback.</p> <p>New Understanding Computer Science for Advanced Level Fourth Edition Paperback – 24 Jun 1999.</p> <p>Essential Maths Skills for AS/A Level Computer Science Paperback – 27 May 2016.</p>	<p>Practice on-screen mocks</p> <p>Key Task past paper questions</p> <p>Open Mock</p> <p>Closed mock</p>
Drama	<p>Unit 1 / Unit 2</p> <p>Studying Stanislavski.</p> <p>Read/study 'A View From The Bridge'</p> <p>Complete a performance logbook.</p>	<p>www.youtube.com</p> <p>www.rsc.org.uk</p> <p>www.kryingsky.com</p>	<p>Read both set texts.</p> <p>Research practitioners.</p> <p>Rehearse extracts.</p>



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DT	<p>Pupils will be working on their coursework throughout year 12 during their project lessons.</p> <p>This term during theory lessons pupils will be working on Unit 1 – Designing and Innovation.</p>	<p>http://dt.ypant.co.uk</p>	<p>Pupils will be working on a school based prescribed task. Assessment of coursework will be ongoing following the programme of assessment in the pupil guidebooks.</p>
English	<p>The poetry of Ted Hughes and Sylvia Plath. Jane Eyre. The key focus for skills development will be geared towards understanding Assessment Objectives at this level. Students should be reading independently around both writers.</p>	<p>Refer to the departmental Handbook.</p> <p>Letts/York Study Guides are useful to <i>begin</i> study of these texts</p>	<p>Students will complete presentations to deliver to class and there will be a series of progress tasks relating to the key themes/concepts/contexts of the texts.</p>
Geography	<p>Unit 1: Changing Landscapes Coastal Landscapes Tectonic Hazards</p> <p>Unit 2: Changing Places</p>	<p>http://www.worldwildlife.org/home.html http://www.ace.mmu.ac.uk/resources/gcc/5-3-1.html http://www.ecn.ac.uk/environmental_indicators.htm http://en.wikipedia.org/wiki/Kyoto_Protocol http://www.rgs.org/OurWork/Schools/Resources/C ase+studies.htm http://www.geonet.org.nz/index.html http://www.esta-uk.org/main.html http://volcano.und.edu/vwdocs/kids/vrtrips.html</p> <p>Hazards and responses, Victoria Bishop, Collins Educational, 1998, p67 & 125-138 Geography an Integrated approach, Waugh, Nelson Thornes 3rd ed 2002 p33-36 Advanced geography, Concepts and Cases, Paul Guinness, Garrett Nagle Geography An Integrated Approach, David Waugh, Nelson Thornes 3rd ed 2002</p>	<p>Three structured questions with stimulus material, one of which tests research/fieldwork</p>
History	<p>The History of Wales and England 1780-1880 The first half of the AS course namely: The demand for Parliamentary Reform Popular Protest Germany 1918-1933</p>	<p>School produced booklets History Channel YouTube</p>	<p>Regular past paper questions relating to the topic areas covered.</p>



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IT	<u>Cambridge Technical's level 3 In ICT</u> Unit 1:- Communication and employability skills for it Unit 2:- Information Systems	http://www.ocr.org.uk/qualifications/cambridge-technicals-it-level-3-certificate-introductory-diploma-diploma-subsiary-diploma-extended-diploma-05347-05349-05352-05355-05358	Students continue coursework tasks at home. This is on-going.
Mathematics	Surds, indices and quadratics. Co-ordinate geometry. Number series and trigonometry.	www.mymaths.co.uk	Weekly homework assignments and an assessment test at the end of each half-term.
Media Studies	Introduction to Unit 1 and 2 Revise and develop media terminology and key media concepts. Introduction to the Advertising Industry Research chosen brief for production	www.mediaknowall.com/as_alevel/alevel https://www.englishandmedia.co.uk/ http://bbfc.co.uk	Terminology test Advertising essay Research folder completion.
Music	Intro to AS Music <ul style="list-style-type: none"> - History of the Symphony- Sonata form - Introduction to Score analysis - Musical theory history/ listening - Introduction to Jazz history - Initial composition ideas - Performance Mock by Oct Hal term 	www.youtube.com www.soundadvice.info www.team-music.com www.thestudentroom.com brittanica.co.uk bbc bitesize	<ul style="list-style-type: none"> - Composing short melodic and choral ideas - Listening and comparison of examples in WCT and Jazz - Research Symphony's development- Create a poster summarizing changes - Notes in Music Score/ Worksheets
PE	<u>Topic 1</u> Exercise physiology, performance analysis and training Pupils to attend Cardiff Met for Course application of lab based fitness training and coursework overview – September. <u>Topic 4</u> Sport and society.	www.sportsci.org www.sportscoachuk.org http://www.wjec.co.uk/qualifications/physical-education/r-gce-asa-physical-education-from-2016/wjec-gce-physical-education-spec-from-2016-e.pdf?language_id=1	End of topic tests Past paper questions regarding topic areas Q and A to demonstrate understanding throughout lessons. Assessed homework tasks
Physics	1. The Basics of Physics and Kinematics: Units and Prefixes, Vectors, Kinematics Definitions, Travel Graphs, Equations of Motion, g by Freefall,	Watch appropriate scientific TV programmes. Read appropriate Newspaper Articles.	1. 3 assessed homework tasks and an end of topic test.



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	<p>Projectiles. 2. Dynamics A: Newton's Laws, Freefall and Terminal Velocity, Force Vectors. 3. Dynamics B: Momentum and Moments. 4. Energy Work and Power: Energy Types and Changes, Work Done, KE, PE and Elastic PE, Power, Efficiency and Density. 5. Solids Under Stress: Hooke's Law, Young's Modulus, Classification of Materials and Features of Force – Extension Graphs. 6. Using Radiation to Investigate Stars: Stellar Spectra, Absorption Spectra and Stars, Blackbody Radiation, Properties of Stars, Stefan's Law, The Inverse Square Law and Multi-wavelength Astronomy. 7. Particles and Nuclear Structure: Fundamental Particles and Anti-Particles and The Four Fundamental Physical Forces.</p> <p>Skills include: Numeracy, Literacy, Communication and Practical Skills, along with revision skills.</p>	<p>New Scientist Magazine. WJEC Physics for AS Level. Mathematics for A Level Physics – a course companion. Selection of Books available from department – ask teachers for advice</p>	<p>2. 3 assessed homework tasks and an end of topic test. 3. 2 assessed homework tasks and an end of topic test. 4. 3 assessed homework tasks and an end of topic test. 5. 1 assessed homework task and an end of topic test. 6. 1 assessed homework task and an end of topic test. 7. 1 assessed homework task and an end of topic test.</p>
<p>Psychology</p>	<ul style="list-style-type: none"> • Research methods – looking at the process of conducting psychological investigations. • Milgram's study of obedience. • The biological approach • Debate – is neuroscience ethical? • The psychodynamic approach • Debate – should the mother be the primary caregiver of an infant? • The behavioural approach • Debate – are conditioning techniques appropriate to control the behaviour of children? 	<p>www.bps.org.uk Can subscribe to The Psychology Review Books available within the department – ask teacher</p>	<ul style="list-style-type: none"> • Homework set relative to topics studied • End of topic assessments • Timed essays for debates
<p>Religious Ethics</p>	<p><u>Unit 1: Option E - An Introduction to the Study of Hinduism</u></p>	<p>See suggested pupils resources from the WJEC: http://www.wjec.co.uk/qualifications/religious-</p>	<p><u>Assessment:</u> Past paper essay questions</p>



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<p>& Philosophy</p>	<p>Theme 3</p> <ul style="list-style-type: none"> Key moral principles of Varnashramadharma. The status of the Dalits. Key moral principle - the concept of ahimsa. <p>Theme 4: Religious practices that shape religious identity (part 1)</p> <ul style="list-style-type: none"> The diversity of Hindu practices that shape and express identity, with reference to: Puja in the home and the mandir. The role of festivals in shaping religious identity – with reference to: Holi. The role of festivals in shaping religious identity – with reference to: Durga Puja. <p>Unit 2: An Introduction to Religion and Ethics and the Philosophy of Religion</p> <p>Theme 1</p> <ul style="list-style-type: none"> Teleological Argument St Thomas Aquinas' Fifth Way - concept of governance; archer and arrow analogy. William Paley's watchmaker - analogy of complex design. Fredrick R. Tennant's (F. R. Tennnant) anthropic and aesthetic arguments - the universe. Specifically designed for intelligent human life. Cosmological Argument Inductive proofs; the concept of 'a posteriori'. St Thomas Aquinas' first Three Ways - (motion or change; cause and effect; contingency and necessity). The Kalam cosmological argument with reference to William Lane Craig (rejection of actual infinities and concept of personal creator). Challenges of these arguments - David 	<p>studies/WJEC%20GCE%20Religious%20Studies%20Guidance%20for%20Teaching.pdf?language=id=1</p> <p>AS Hinduism: Course textbook: WJEC/EDUQAS RS for Yr1/AS – Hinduism ISBN: 978-1-911208-00-6 Baker, S. (1990) – Caste: At Home in Hindu India, Jonathan Cape Ltd., ISBN:0224024590 • Gandhi, M. K. (1998) – My Non-Violence, Navajivan Publishing House, ISBN:8172292236 • Gandhi, Mahatma and Merton, Thomas (1996) - Gandhi on nonviolence, Shambhala Publications Inc., ISBN:1570622434 • Hopkins, T. (1991) – The Hindu Religious Tradition, Cengage Learning , ISBN:0822100223 • Killingley, D. et al (1991)– Hindu Ritual and Society, Grevatt & Grevatt,ISBN:0947722068 • Kinsley, D. R. (1993) – Hinduism: A Cultural Perspective, Prentice Hall, ISBN:0133957322 • Klostermaier, K. (2007)– A Survey of Hinduism, State University of New York Press, ISBN:0791470822 • Mukheriji, P. (1988) – Beyond the Four Varnas: The Untouchable in India, Motilal Banarsidass, ISBN:8179860027 • Quigley, D. (2005) – On the Relationship between Caste and Hinduism Chapter 23 in Flood, G. (editor), Blackwell Companion to Hinduism, Wiley-Blackwell, ISBN:1405132515 www.hindunet.org www.hinduism.today.com www.hindu.org</p> <p>AS Philosophy: Course textbook: WJEC/EDUQAS RS for Yr 1/AS Philo of Rel & Religion & Ethics ISBN: 978-1-908682-99-4</p>	<p>Homework: Independent research and notes</p> <p>Assessment: Past paper essay questions</p> <p>Homework: Independent research and notes</p>
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	<p>Hume - empirical objections and critique of causes (cosmological). David Hume - problems with analogies; rejection of traditional theistic claims: designer not necessarily God of classical theism; apprentice god; plurality of gods; absent god (teleological). Alternative scientific explanations including Big Bang theory and Charles Darwin's theory of evolution by natural selection.</p> <p>Theme 2</p> <ul style="list-style-type: none">• Deductive arguments - origins of the ontological argument• Deductive proofs; the concept of 'a priori'. St Anselm - God as the greatest possible being (Proslogion 2). St Anselm - God has necessary existence (Proslogion 3).• Deductive arguments - developments of the ontological argument: Rene Descartes - concept of God as supremely perfect being; analogies of triangles and mountains/valleys. Norman Malcolm - God as unlimited being; God's existence as necessary rather than just possible.• Challenges to the ontological argument: Gaunilo, his reply to St Anselm; his rejection of idea of a greatest possible being that can be thought of as having separate existence outside of our minds; his analogy of the idea of the greatest island as a ridicule of St Anselm's logic. Immanuel Kant's objection - existence is not a determining predicate: it cannot be a property that an object can either possess or lack	<p>Oxford Revision Guides: AS and A Level Religious Studies: Philosophy and Ethics through Diagrams. (Greg Dewar)</p> <p>WJEC AS Religious Studies: An introduction to Philosophy of Religion and an Introduction to Religion and Ethics. (Karl Lawson and Andrew Pearce)</p> <p>http://www.iep.utm.edu/ont-arg/</p>	
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	<p><u>AS Ethics</u> Theme 2: Aquinas' Natural Law - a religious approach to ethics</p> <ul style="list-style-type: none"> • St Thomas Aquinas' Natural Law: laws and precepts as the basis of morality. • Aquinas' Natural Law: the role of virtues and goods in supporting moral behaviour. • Aquinas' Natural Law: application of the theory. <p>Theme 3: Situation Ethics – a religious approach to ethics</p> <ul style="list-style-type: none"> • Joseph Fletcher's Situation Ethics: his rejection of other forms of ethics and his acceptance of agape as the basis of morality. • Fletcher's Situation Ethics: the principles as a means of assessing morality. • Fletcher's Situation Ethics: application of the theory. 	<p>AS Ethics: Course textbook: WJEC/EDUQAS RS for Yr 1/AS Philo of Rel & Religion & Ethics ISBN: 978-1-908682-99-4 Bowie, R.A. (2004) - Ethical Studies, Second Edition, Nelson Thornes, ISBN:9780748780792 (Specifically intended as a student textbook, and including an excellent comprehensive bibliography) Lawson, K. and Pearce (2012) - WJEC AS Religious Studies: An Introduction to Philosophy of Religion and an Introduction to Religion and Ethics: Study and Revision Guide, Illuminate, ISBN:9781908682079 Vardy, P.(1999) - The Puzzle of Sex, Fount, ISBN:9780006280422 • Vardy, P. & Grosch, P. (1999) - The Puzzle of Ethics, Revised Edition, Fount, ISBN:9780006281443 • Vardy, C & P (2012) - Ethics Matters, SCM Press, ISBN:9780334043911</p>	
<p>Spanish</p>	<p><u>La Familia</u> <u>Los jóvenes de hoy</u></p> <p>Link to a current articles and resources with the view of keeping up to date with different types of families,</p>	<p>www.elmundo.es www.telecinco.es www.elpais.es http://www.efc.com/efe/espana/1 http://www.20minutos.es/ Find us on Quizlet!!</p>	<p>End of unit tests.</p>



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	family values, the role of grandparents. Grammar: present, past, future, conditional.....	(Valle Fernandez)	
Welsh	Grammar Coursework Film Study Poetry	Language Reference Booklets www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary)	Regular homework and tests Continuous work on Coursework Thorough revision of grammar patterns
WBQ	Community Challenge; Introduction to Community and the benefits of volunteering. Global Citizenship Challenge; Students chose to investigate a global issue from an approved topic list.	http://www.wjec.co.uk/qualifications/welsh-baccalaureate/welsh-bacc-from-2015/Advanced/ http://qualifiedforlife.org.uk/welsh-baccalaureate http://www.volunteering-wales.net/ http://www.gwirvol.org/	Pupils should keep a log of the work they have completed towards the Community Challenge. They must get a confirmation statement sheet completed by the person who was responsible for them during the activity. These sheets are available from any Welsh baccalaureate teacher. The deadline for the submission of all Community work is at the start of the second year of the course. The Global Citizenship Challenge will be completed prior to the Christmas break 2017 in readiness for submission to the WJEC.



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Year 13

SUBJECT	TOPICS / THEMES / SKILLS	USEFUL READING / WEBSITES	HOME/ PROJECT WORK & ASSESSMENT INFORMATION
Art	Personal Study and Practical Coursework Unit Student selected focus of enquiry. Students produce an in-depth illustrated personal study (3000words) showing analysis of selected Art works. This study will inform and inspire students own practical work. Students can work with any media. The emphasis is on 'Personal' and students must try to view their selected artworks first hand.	Y Pant school website. Look at examples of this project in Key Stage 5 Art. Research into relevant artists and designers to inform individual lines of enquiry	Independent Gallery visits or places of interest documented in sketchbook are essential at this level. Homework listed on sheet glued into student's sketchbooks.
Biology	<ol style="list-style-type: none"> 1. Populations, Energy flow through ecosystems and cycles of nature (Carbon Cycle and Nitrogen Cycle) 2. Structure of the kidney, excretion and osmoregulation 3. Structure of nerves, resting potential and action potentials, synapses, reflexes, the brain and spinal cord, the effect of drugs on the nervous system 4. The biochemistry of respiration: ATP, electron transport chain, glycolysis, link reaction, Krebs' cycle, anaerobic respiration, effect of exercise on respiration 5. Microbiology: Growing microorganisms in a laboratory, aseptic techniques, counting microorganisms, serial dilution, fermenters, production of penicillin 6. The biochemistry of photosynthesis: leaf and chloroplast structure, photosynthetic pigments, the light dependent and independent stages, limiting factors 	Royal Society of Chemistry – search Chemistry for biologists Encourage pupils to watch appropriate scientific television programmes New Scientist magazine Biology Today magazine – can be purchased from school Selection of books available from department – ask teachers for advice	Frequent homework, all of which is marked in class with verbal feedback <ol style="list-style-type: none"> 1. 2 teacher marked tests 2. 1 teacher marked tests 3. 1 teacher marked test 4. 1 teacher marked test 5. 1 teacher marked test 6. 1 teacher marked test Specified A level experiments are carried out and recorded in laboratory manual in preparation for the practical examination in April.



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Business	Mission statements Corporate culture SWOT and Porters Five Forces Interest rates and Business Cycle Global markets Profit and Loss Accounts and profitability ratios Contingency planning Crisis management	Visit to Sony News related webpages Business news programs	Homework set in relation to topics studied End of topic assessments
Chemistry	<u>Redox reactions and standard electrode potentials</u> - Electrode potentials - Redox titrations <u>D block and transition metals</u> - Properties and reactions <u>P block chemistry</u> - Chemical reactions of groups 3, 4 and 7 <u>Chemical kinetics</u> - Measuring reactions rates - Rate equation - Rate determining step	Departmental booklets WJEC revision booklet	Regular assessed homework End of unit test
Drama	DA3 / DA4 Studying Naturalism/Berkoff Read/study 'Sweeney Todd' Read/study 'A Day in the Death...'	www.birmingham-rep.co.uk www.goodmantheatre.org www.thedramateacher.com	Read both set texts. Research practitioners. Rehearse extracts.
DT	Pupils will be working on their coursework throughout year 12. This term during theory lessons pupils will be working on Unit 1 – Human Responsibility.	http://dt.ypant.co.uk	Pupils will be working on a school based prescribed task. Assessment of coursework will be ongoing following the programme of assessment in the pupil guidebooks.
English	<u>King Lear</u> <u>Controlled Assessment – Atonement.</u>	Critical essays on King Lear (available from Mr. Kuck)	Atonement assessment - working towards completion of this.



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	All pupils must have at least seen an adaptation of King Lear. We will be focusing on close analysis of the opening Act this term. Atonement will be studied alongside another text which will be chosen by the students. They will explore comparisons in this internal assessment.	Wider research on contextual influences. Wider reading around selected texts for controlled assessment. Pupils to individually discuss with teacher. A trip to see King Lear will be offered this term. All pupils should attend.	King Lear – progress essays based on key themes/concepts.
French	Immigration & Integration Novel 'UnSecret'	www.zut.org	Oral Exam work Translation practise Extended writing.
Geography	<u>G3: Contemporary Themes and Research</u> 1. Coastal Landforms and their management 2. Emerging Asia: India	http://www.bbc.co.uk/coast/ http://www.soton.ac.uk/~imw/Lulworth.htm www.curriculum-press.co.uk http://www.worldatlas.com/webimage/countrys/asia/lqcolor/incolor.htm http://www.prb.org/pdf06/61.3IndiasPopulationReality_Eng.pdf http://infochangeindia.org/Agriculture/ http://uk.youtube.com/watch?v=xybF8VQz8Vs http://www.worldbank.org/html/fpd/urban/forum2000/papers/india.pdf http://uk.youtube.com/watch?v=uNEymFp-xc0	Section A – 1 hour 30 minutes Two essays - one from each of the two contemporary themes. A choice from two questions for each theme. Section B – 45 minutes Candidates design and carry out a research enquiry based on their chosen theme and prescribed topic area. This will be assessed by a two-part question based on research enquiry and the findings of their research.
History	Students continue with their independent research for their Controlled Assessment task On World War I – Should the British generals be regarded as 'Donkeys?' USA 1880-1980 module – Foreign Affairs Germany 1933-45	School produced booklets History Channel YouTube	Regular past paper questions relating to the topic areas covered.



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IT	Cambridge Technical in ICT Pupils continue with optional units:- Unit 19-spreadsheet modelling Unit 10-developing computer games	http://www.ocr.org.uk/qualifications/cambridge-technicals-it-level-3-certificate-introductory-diploma-diploma-subsiary-diploma-extended-diploma-05347-05349-05352-05355-05358	Students continue coursework tasks at home. This is on-going.
Mathematics	Solving trigonometric equations and numerical methods. Vectors and the binomial expansion.	www.mymaths.co.uk	Weekly homework assignments and an assessment test at the end of each half-term.
Media Studies	MS 3/4 Introduction to the film industry. -Study representation, genre and narrative structure. Study marketing and promotion within the film industry. Research and plan chosen area of media for production piece.	www.mediaknowall.com/as_alevel/alevel https://www.englishandmedia.co.uk/ http://www.guardian.co.uk/film/world-cinema http://bbfc.co.uk	Representation/Genre/ Narrative essays focusing on the film industry. 1 st and final draft of research investigation.
Music	Intro to A2 Music Performing- Performance mock by October half term Composing- initial composition ideas Appraising- Development of the Symphony in the Romantic Era Score analysis Introduction Chamber Music Further analysis of Musical Theatre	www.youtube.com www.soundadvice.info www.team-music.com www.thestudentroom.com britannica.co.uk bbc bitesize	<ul style="list-style-type: none"> - Research Western Classical - Notes for score analysis - Listen and compare samples from all 3 genres - Begin performance and composition work
PE	Topic 1 Exercise physiology, performance analysis and training. Pupils to attend Cardiff Met for Course application of lab based fitness training and coursework overview – September. Topic 4 Sport and society.	www.sportsci.org www.sportscoachuk.org http://www.wjec.co.uk/qualifications/physical-education/r-gce-asa-physical-education-from-2016/wjec-gce-physical-education-spec-from-2016-e.pdf?language_id=1 Heyward V H – Advanced Fitness Assessment and Exercise Prescription (Human Kinetics, 2006) ISBN 9780736057325	End of topic tests Past paper questions regarding topic areas Q and A to demonstrate understanding throughout lessons. Assessed homework tasks



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		British Association of Sport and Exercise Sciences www.bases.org.uk	
Physics	<p>1. Circular Motion: Radian Measure, Speed, Centripetal Acceleration and Centripetal Force.</p> <p>2. Simple Harmonic Motion: Oscillation Terms and definitions, SHM, Mass-Spring Systems, SHM Equations and Graphs, Energy in SHM, Damped Oscillations and Resonance.</p> <p>3. Kinetic Theory: Particle Model of a Gas, The Kinetic Model of a Gas, The Ideal Gas, Internal Energy, the Kelvin Scale, Gas Pressure, The Gas Laws and Moles and Relevant Equations.</p> <p>4. Thermodynamics: Internal Energy and Factors that affect it, Changes of State, the Kelvin Scale, SHC, Thermal Equilibrium, The Laws of Thermodynamics and Work done on/by a Gas.</p> <p>5. Nuclear Decay: Spontaneous Nature of Nuclear Decay, Alpha, Beta and Gamma Radiation, Background Radiation, Half-Life, Activity and the Decay Constant and associated Graphs and equations</p> <p>6. Nuclear Energy: $E = mc^2$, Binding Energy, the Unified Atomic Mass Unit (U), Mass/Energy Conservation, Binding Energy Per Nucleon and Fission and Fusion.</p>	<p>Watch Appropriate Scientific TV Programmes.</p> <p>Read appropriate Newspaper Articles.</p> <p>New Scientist Magazine.</p> <p>OCR Physics for A2 Level.</p> <p>Mathematics for A Level Physics – a course companion.</p> <p>Selection of Books available from department – ask teachers for advice</p>	<p>1. 1 assessed homework task.</p> <p>2. 2 assessed homework tasks and an end of topic test.</p> <p>3. 1 assessed homework tasks and an end of topic test.</p> <p>4. 2 assessed homework tasks and an end of topic test.</p> <p>5. Various assessed homework tasks and an end of topic test.</p> <p>6. Various assessed homework tasks and an end of topic test.</p>
Psychology	<p>Students will design, conduct and write up a psychological experiment into bilingualism which will be examined in the unit 4 paper at the end of the school year.</p> <p><u>Unit 3 topics</u> Criminal behaviour Stress Schizophrenia</p>	<p>www.bps.org.uk Students can subscribe to The Psychological Review Books available within the department – see teacher</p>	<ul style="list-style-type: none"> • Homework set relative to topics studied • End of topic assessments • Timed essays for unit 3 topics
Religious Ethics	<u>A2 Hinduism</u>	<u>Reading list available for A2 Religion, Ethics</u>	<p><u>Assessment:</u> Past paper/exam style essay questions</p>



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& Philosophy	<p><u>Theme 1 Religious figures and sacred texts (part 2)</u></p> <ul style="list-style-type: none"> • 1:A Nature and Significance of the Upanishads • 1:B A comparison of the contributions made to Hinduism by Mahatma Gandhi • 1:C A comparison of the contributions made to Hinduism by Shri Paramahansa Ramakrishna <p><u>Theme 2 Significant Historical Developments in Religious Thought</u></p> <ul style="list-style-type: none"> • 2:A The reasons for the development and growth of ISCKON • 2:B The relationship between religion and society: respect and recognition and the ways that religious traditions view other religions and non-religious world views and their truth claims. <p><u>A2 Ethics</u> <u>Theme 2 deontological ethics</u> Synoptic link: how the study of ethics has, over time, influenced and been influenced by developments in religious beliefs and practices and the philosophy of religion.</p> <ul style="list-style-type: none"> • 2A: John Finnis' development of Natural Law • 2B: Bernard Hoose's Proportionalism • 2C: Finnis' Natural Law and Hoose's Proportionalism to the issues of : immigration and capital punishment <p><u>Theme 1 ethical thought</u></p> <ul style="list-style-type: none"> • 1:A Meta-ethical approaches: Naturalism • 1:B Meta-ethical approaches: Intuitionism • 1:C Meta-ethical approaches: Emotivism 	<p>and Philosophy on the WJEC website: http://www.wjec.co.uk/qualifications/religious-studies/r-religious-studies-gce-asa-from-2016/WJEC%20GCE%20Religious%20Studies%20Guidance%20for%20Teaching.pdf?languageid=1</p> <p>Course Textbook A2 Hinduism: WJEC/EDUQAS RS for Yr 2/A2 Hinduism ISBN: 978-1-911208-50-1 Publishing Spring 2018</p> <p>Course Textbook A2 Philosophy and Ethics: WJEC/EDUQAS RS for Yr 2/A2 – Philo of Rel & Religion & Ethics ISBN: 978-1-911208-39-6 Published Spring 2018</p>	<p><u>Homework:</u> Independent research and notes</p>
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	<p>A2 Philosophy <u>Theme 2 – Religious Experience Part 2</u></p> <ul style="list-style-type: none"> • 2:A The influence of religious experience on religious practice and faith • 2:B Miracles • 2:C David Hume and Richard Swinburne 		
Travel & Tourism	<p>TT5 – Tourism Impacts and Tourism Development (external exam preparation) What is responsible tourism? The agents of Tourism Development, the objectives of Tourism Development, the impacts of Tourism Development. Case study destinations, tourism development projects, sustainable tourism. TT6 – Trends and Issues in Travel and Tourism (Individual Portfolio). Individual research on an issue chosen by each student. A01 and A02 will be completed this term, A03 begun. A01 – Research Proposal A02 – Stakeholders involved in the issue and their attitudes. A03 – Statistical data gathered and analysed.</p>	<p>TT5 - Sunday Times Travel magazine, Travel supplements in newspapers. Websites of newspapers for current issues, TandOnline, Hwb, Destination guides, Regular watching of news programmes, travel programmes. TT6 – as above but required reading is dependent on the choice of issue.</p>	<p>TT5 – PowerPoint presentations on Overdeveloped destinations and Tourist development projects (Homework) Past paper questions. TT6 – A01 and A02 completed drafted, assessed and re-drafted. A03 started.</p>
WBQ	<p>Continue with Individual Project Introduce Enterprise + Employability skills and mini-challenge Continue to complete write up for community challenge</p>	<p>http://www.wjec.co.uk/qualifications/welsh-baccalaureate/welsh-bacc-from-2015/Advanced/</p>	<p>Individual Project + CC to be completed by the end of Autumn Term</p>
Welsh	<p>Grammar Translanguaging Unseen Poetry Short Stories Study of Play – Siwan</p>	<p>Language Reference Booklets www.s4c.cymru/clic (Catch-up TV) www.geiriadur.net (dictionary)</p>	<p>Regular homework and tests Continuous work on Coursework Thorough revision of grammar patterns</p>