

Year 12 Autumn Term Curriculum Plan

This document is designed to provide an overview of the content of the curriculum that each department will be addressing over the Autumn Term. Each department has provided information on the topics/ content addressed, resources being used and information on tasks that will be assessed. If you have any queries please direct these into the Progress Team on the email address below as a primary point of contact.

Communication Tools

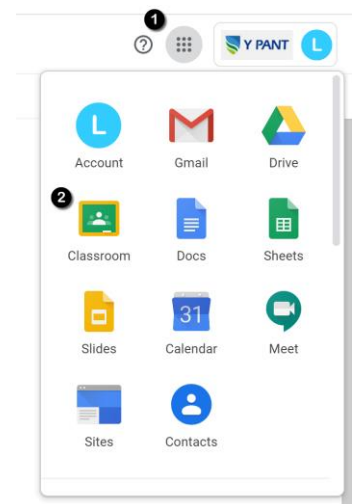
Teachers may be sending activities home for pupils using one of three methods: MILK (our existing homework app), Gmail or Google Classroom. All pupils have a Gmail address which allows them to access Google Classroom. The address is their 6 digit user number @ypant.co.uk and the password will be the same as the one they use to log into the computer at school.

Google Classroom

Google Classrooms are online collaborative working environments for teachers and learners. Many classes have a Google Classroom and staff can post material, information and assignments in the classroom for pupils to view and complete.

To access Google Classrooms students should:

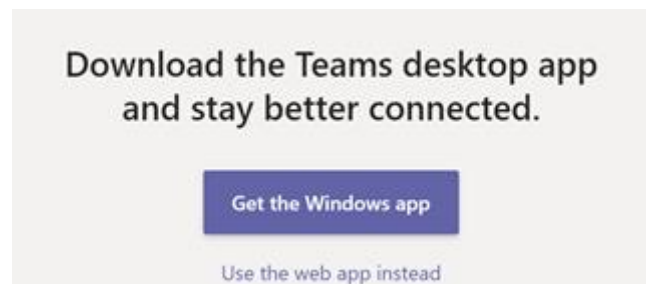
- € Log in to their school Gmail.
- € They will see the 9 dot icon the right-hand corner of the screen ❶
- € By clicking this, students can access the full range of Google Suite for Education services including Google Classroom. ❷
- € All of the classrooms a pupil has access to will appear in their browser so they can select the classroom of the subject they want to access.
- € Google Classroom apps can also be downloaded for mobile devices and tablets and if push notifications are enabled, they will inform you of any new material or assignments as they are set.



HWB Teams

We are moving our blended learning to Microsoft Teams on Hwb from Google Classroom. At the moment there will be blended learning available for classes on one or other system. The curriculum plan will indicate which or pupils will be informed by their teacher.

To access Microsoft Teams visit teams.microsoft.com where students should log in using their Hwb login details. These have been or will be given to students in Welsh Bacc or ICT lessons. They may then get the message on the right.



Students can download the Windows (or Mac) app on their own computer or use the web app instead. They will be able to see all the teams they have been added to. To join another team, click in the top left corner and add the team code which the teacher has provided. There is also a free Microsoft Teams app for Google Play and Apple as well as the free Microsoft Office app which means students can access work via their phones as well if necessary.

Year Group Contact Details

Head of Progress	Mrs S. Nowell-Hughes	sixthform@ypant.co.uk
Assistant Head of Progress	Mrs K. Munday	
Senior Leadership Link	Ms L. Bunce	

Year 12 English

Topic Overview	AS English Literature. Autumn term: Owen Sheers 'Skirrid Hill' and Seamus Heaney 'Field Work' Jane Eyre by Charlotte Bronte
Assessed Tasks	Extract and essays assessed frequently throughout the term. Please see assessment grid given to all students at the start of term for specific dates and tasks.
Resources	All resources will be shared in Google Classrooms with students, including PowerPoints of lessons taught and revision materials. If pupils are unable to attend lessons, they may request photographs of missed pages of text analysed in class.

Year 12 Maths

Topic Overview	WJEC AS Maths: Unit 1 and 2 topics
Assessed Tasks	Key task: Initial assessment test Half-term test
Resources	Workbooks and worksheets plus 'My Maths'

Year 12 Further Maths

Topic Overview	WJEC A2 Maths : Unit 3 and 4 topics
Assessed Tasks	Key task: Initial assessment test Half-term test
Resources	Workbooks and worksheets plus 'My Maths'

Year 12 Biology

Topic Overview	1. Biological Compounds <ul style="list-style-type: none"> • Water • Carbohydrates
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	<ul style="list-style-type: none"> • Lipids • Proteins <p>2. Cells and Microscopes</p> <ul style="list-style-type: none"> • Cell structure and functions of organelles • Different types of cells • Using a microscope <p>3. Nucleic Acids</p> <ul style="list-style-type: none"> • Nucleotides • DNA and RNA • Replication of DNA • Protein synthesis <p>4. Cell Membranes</p> <ul style="list-style-type: none"> • Structure of cell membranes • Movement of molecules across membranes • Water and solute potential <p>5. Cell Division</p> <ul style="list-style-type: none"> • Mitosis • Meiosis
Assessed Task	<ol style="list-style-type: none"> 1. 3 tests 2. 2 tests 3. 2 tests 4. 1 test 5. 1 test
Resources	School produced booklets Homework set via MILK Home Learning Microsoft team - Code - y5ri21m Royal Society of Chemistry – search Chemistry for biologists
Year 12 Chemistry	
Topic Overview	<u>Basic ideas about atoms:</u> Structure of the atom; Ionisation energy; Spectroscopy <u>Radioactivity:</u> Types of radiation; Nuclear equations; Half-life; Uses of radioactivity
Assessed Tasks	Regular assessed homework End of unit test
Resources	Departmental booklets WJEC revision booklet/website
Year 12 Physics	
Topic Overview	<ol style="list-style-type: none"> 1. The Basics of Physics and Kinematics: Units and Prefixes, Vectors, Kinematics Definitions, Travel Graphs, Equations of Motion, g by Freefall, 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.

	<p>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.</p> <p>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>
Assessed Tasks	<p>1. 3 assessed homework tasks and an end of topic test.</p> <p>2. 3 assessed homework tasks and an end of topic test.</p> <p>3. 2 assessed homework tasks and an end of topic test.</p> <p>4. 3 assessed homework tasks and an end of topic test.</p> <p>5. 1 assessed homework task and an end of topic test.</p> <p>6. 1 assessed homework task and an end of topic test.</p> <p>7. 1 assessed homework task and an end of topic test.</p>
Resources	<p>Physics Booklets.</p> <p>Watch appropriate scientific TV programmes.</p> <p>Read appropriate Newspaper Articles.</p> <p>New Scientist Magazine.</p> <p>WJEC Physics for AS 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>https://www.bangor.ac.uk/going-to-university/revision-guides/physics-en-2019.</p>
Year 12 Art	
Topic Overview	<p>Unit 1 As Art: Personal Creative Enquiry (Foundation experimental studies & 'Relationships' project work.)</p>
Assessed Tasks	<p>Unit 1 AS Art Portfolio: Ongoing Portfolio assessment based on coursework and homework tasks set.</p>
Resources	<p>Art sketchbook, loose sheets, mark making materials.</p> <p>Google Classroom access code: wqpmjx2</p>
Year 12 Business	
Topic Overview	<p>Enterprise Business plans Markets Market research Business Structure Business location Business finance Business revenue and costs</p>
Assessed Tasks	<p>Homework set in relation to topics studied End of topic assessments</p>
Resources	<p>News related webpages Business news programs</p>

	All resources placed in Google Classrooms
Year 12 Computer Science	
Topic Overview	<ul style="list-style-type: none"> • Hardware & Communication • Data structure • Logical operators • Organisation of data
Assessed Tasks	Homework in relation to topics studied Test of each key topic once complete
Resources	Notes in folder given in lessons. Contact class teacher for specific lesson work and notes to be sent directly.
Year 12 Design Technology	
Topic Overview	UNIT 3 – Written Examination UNIT 4 - <ul style="list-style-type: none"> • Identifying and investigating design possibilities • Developing a design brief and specification • Generating and developing design ideas
Assessed Tasks	Unit 3 - Mock examination Unit 4 - Individual assessment of coursework pages.
Resources	Microsoft Teams - AS Level Product Design (Set up already in class)
Year 12 Drama	
Topic Overview	<p><u>Unit 1 – Theatre Workshop</u></p> <ul style="list-style-type: none"> • Read ‘Under Milk Wood’ • Read ‘London Road’ • Read ‘ A Curious Incident of the Dog in the Nighttime <p>All should be read in full! Script/Section Selection of 20 pages. Edit and devising in line with following practitioner; Berkoff/Brecht/Frantic Assembly Students will script and rehearse the section of script. Included with creative log and evaluation.</p> <p><u>Unit 2 - Text in Theatre ‘A View From the Bridge’</u></p> <ul style="list-style-type: none"> • Read ‘ A View From the Bridge’ <p>Actor Skills, Design Skills, Directorial Skills, understanding of themes, language/key moments and contextual study. Students to work through Revision booklet and PP tasks on Hwb Teams</p>
Assessed Tasks	1 Unit 2 Mock – A View From the Bridge Written responses to themes and context – ongoing homework in booklet.
Resources	AVFTB Script AVFTB Booklet Drama Notebook

	Under Milk Wood Script London Road Script A Curious Incident Script
Year 12 Government and Politics	
Topic Overview	WJEC Government and Politics Specification: https://www.wjec.co.uk/media/kzca3xqp/wjec-gce-gov-and-politics-spec-from-2017-e-3-6-20.pdf <u>Unit 1 – UK (MR Davies)</u> British Constitution, Judiciary in the UK, How government works, How parliament works, How devolution works in the UK <u>Unit 2- Citizenship and rights (Miss Hodnett)</u> <ul style="list-style-type: none"> • Definition of citizenship (including global citizenship). • Freedom, equality, participation and active citizenship, the Rule of Law; protection under the law; rights of minorities; positive discrimination. • Main sources of rights for a citizen of the UK, including: the European Convention on Human Rights; Human Rights Act 1998; a British Bill of Rights; relevant contemporary legislation including that on racial and gender equality.
Assessed Tasks	Two 1 hour 30mins exams each for Unit 1 and Unit 2. A mixture of structured questions and extended response questions. Regular past paper questions focusing on essay writing skills.
Resources	<ul style="list-style-type: none"> ∉ WJEC Government & Politics website: Government and Politics GCE (from 2017) ∉ Unit 1 resources (Mr Davies class) are to be found in our Google Classroom: owimewb ∉ Unit 2 resources (Miss Hodnett class) are to be found in our Google Classroom: ob52ivb ∉ Keep up to date with UK news and politics via: https://www.bbc.co.uk/news/politics , https://www.theguardian.com/politics , https://www.independent.co.uk/news/uk/politics , https://www.parliament.uk/ , https://www.gov.uk/ , https://gov.wales/ , https://www.assembly.wales/en/Pages/Home.aspx , https://www.walesonline.co.uk/all-about/politics
Year 12 Geography	
Topic Overview	Unit 1: Changing Landscapes <ul style="list-style-type: none"> • Coastal Landscapes • Tectonic Hazards Unit 2: Changing Places
Assessed Tasks	Three structured questions with stimulus material, one of which tests research/fieldwork
Resources	Microsoft Team set up for the cohort, code: dbm5dx1 All supporting resources on Teams in specification order. The following websites and textbooks will also be useful: 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/Case+studies.htm

	<p> http://www.geonet.org.nz/index.html http://www.esta-uk.org/main.html http://volcano.und.edu/vwdocs/kids/vrtrips.html Hazards and responses, Victoria Bishop, Collins Educational, 1998, p67 & 125-138 Advanced geography, Concepts and Cases, Paul Guinness, Garrett Nagle Geography: An Integrated Approach, David Waugh, Nelson Thornes 3rd ed 2002 </p> <p> The WJEC revision guides may be useful: Unit 1 Changing Landscapes: https://www.hoddereducation.co.uk/subjects/geography/products/a-level-(1)/wjec-eduqas-as-a-level-geography-student-guide-2 Unit 2: Changing Places: https://www.amazon.co.uk/Eduqas-level-Geography-Student-Guide/dp/1471864057/ref=sr_1_8?dchild=1&keywords=wjec+as+geography+revision+guide&qid=1599815880&sr=8-8 </p>
Year 12 History	
Topic Overview	<p><u>Unit 1</u></p> <ul style="list-style-type: none"> • The History of Wales and England 1780-1880 • The first half of the AS course namely: <ul style="list-style-type: none"> • The demand for Parliamentary Reform • Popular Protest <p><u>Unit 2</u></p> <ul style="list-style-type: none"> • Weimar Germany 1918-1923
Assessed Tasks	<ul style="list-style-type: none"> • Regular past paper questions relating to the topic areas covered.
Resources	School produced booklets History Channel YouTube Google Classroom- 7oIso7v
Year 12 ICT	
Topic Overview	Unit 1-LO1- Computer hardware, Hardware troubleshooting, Units of measurement, Number system, Number conversations. Unit 2-LO2- Holders of information, Types of information storage media, Types of information access and storage devices & The internet.
Assessed Tasks	Assessment homework Tests of sub-topics to prepare for on-screen exams
Resources	School produced notes and Google classroom. https://www.ocr.org.uk/qualifications/cambridge-technicals/information-technology/units/#level-3
Year 12 Media Studies	
Topic Overview	Students will begin the year with and introduction to the key concepts of media studies (focus on media language, audience and representation)

	<p>Students will then begin exam units with their teachers. There will be some content covered from all exam units by the end of term, before each unit is completed next term. The research and planning elements of the NEA portfolio will be completed this term; the production and the evaluation are completed by the end of next term.</p> <p><u>Mrs Jones is teaching:</u></p> <ol style="list-style-type: none"> 1. Section A – Representation in adverts and music videos. 2. Section B – News in the Online Age <p><u>Mrs Govier will is teaching:</u></p> <ol style="list-style-type: none"> 1. Section C – Film: from Wales to Hollywood. 2. NEA (coursework). Research and planning (storyboarding) for a given film brief.
Assessed Tasks	<ul style="list-style-type: none"> • In class quizzes on core knowledge, concepts and terminology • Section A assessment – analysis of an unseen print advert • Section C assessment – film industry knowledge • Section B assessment – analysis of a news text • Initial assessment of NEA research and planning
Resources	<ul style="list-style-type: none"> • All course notes and resources will be uploaded to the google classroom. Code: 57m2mro • The Media Magazine (Username: MediaYPant password: ilovemedias) https://www.englishandmedia.co.uk/media-magazine/ • For basic terminology revision - GCSE Bitesize Media Studies https://www.bbc.co.uk/bitesize/subjects/ztnyqk7 • Free Seneca revision resources for media studies https://app.senecalearning.com/courses?Price=Free&Age+Group=A+Level&Age+Group=GCSE&Subject=Media+Studies
Year 12 Medical Science	
Topic Overview	<p>UNIT 1: Biological Molecules, Respiratory System, Cardiovascular System</p> <p>UNIT 2 : Start “Physiological Measurement Techniques” coursework.</p>
Assessed Tasks	<p>Cardiovascular system and respiratory system tests</p> <p>Biological molecules tests</p> <p>Physiological Measurement Techniques tests</p>
Resources	<p>Biological Molecules, Respiratory System, Cardiovascular System booklets</p> <p>Physiological Measurement Techniques workbook</p> <p>Homework set via MILK</p> <p>Home Learning:</p> <p>Microsoft Team – Code - 92314rj</p>
Year 12 Physical Education	
Topic Overview	<p>Pupils will cover the four areas of Exercise Physiology, Skill Acquisition, Sport Psychology and Sport & Society.</p>
Assessed Tasks	<p>End of section tests as well as topic questions in booklets.</p>
Resources	<p>Pupils have work booklets that they can work through.</p> <p>https://www.wjec.co.uk/qualifications/physical-education-as-a-level/#tab_overview</p> <p>http://resource.download.wjec.co.uk.s3.amazonaws.com/vtc/2015-16/15-16_30/eng/index.html</p>
Year 12 Psychology	

Topic Overview	We will be studying Unit 2: Research methods – exploring everything needed to know about how to conduct research. Included in this are the specific studies of Milgram and Kohlberg. Also under unit 2 we will be looking at starting to learn one of the 5 debates which is exploring the reliability of eyewitness testimonies. We will also be starting unit 1: approaches. We will explore the cognitive and psychodynamic approaches looking at the main assumptions, therapies, classic research and evaluate the approaches as a whole.
Assessed Tasks	Past paper and potential exam questions will feature in most lessons and be set for homework where appropriate. There will be 2 tests for research methods, one half way through and one at the end. There will also be end of topic assessments for the unit approaches topics. Revision for these should be ongoing as we progress through the topics. It is advised to prepare your revision notes as we work through the topics rather than leaving it until the end.
Resources	Students will need to purchase the WJEC AS Psychology complete companion text book, edition 2015. The link to amazon is below: https://www.amazon.co.uk/Complete-Companions-WJEC-Psychology-PSYCHOLOGY/dp/0198359179/ref=sr_1_1?dchild=1&keywords=wjec+as+complete+companion&qid=1600074250&sr=8-1 They will need this by half term. At the following website; www.bps.org.uk you can subscribe to the psychology review magazine. Lesson materials will be shared with students via the Teams group. All students have been added and will need to use their Hwb log ins. Whilst there is a cross over in time of students moving from google classroom to Teams and accessing their Hwb passwords, I will upload materials to both platforms but Teams will then become the one used as soon as all students are able to log in.

Year 12 Sociology

Topic Overview	Unit 1- Acquiring Culture- Booklet 1 Sociological Theories Booklet 2 (Marxism/ Feminism/ Functionalism/ Interactionism/ Post Modernism/ New Right. Unit 2 – Research Methods – looking at key concepts in sociology and analysing the research methods used by sociologists.
Assessed Tasks	Exam Style tasks at end of each topic- Exam practice questions regularly provided throughout the unit.
Resources	Pupils are in a HWB Teams group- Resources will be uploaded here. Team code x5sw7cd The student text book, and the study and revision guide would be useful for students. Both are by Janis Griffiths and John McIntosh and published by Illuminate Publishing. ISBN 1908682744 and 1911208128

Year 12 Welsh

Topic Overview	AS Level Welsh as a Second Language <ul style="list-style-type: none"> • Grammar • Film Study • Coursework • Poetry
Assessed Tasks	Regular assessed homework and tests Continuous work on Coursework Thorough revision of grammar patterns

<p>Resources</p>	<p>School produced booklets and worksheets - Pupils are given paper copies and codes to access these via Microsoft Teams will be posted soon</p> <ul style="list-style-type: none"> • Llyfr Iaith • Patagonia • Barddoniaeth • Additional Worksheets <p>Homework set via MILK</p> <p>www.s4c.cymru/clic(Catch-up TV)</p> <p>www.geiriadur.net (dictionary)</p> <p>Download '<u>Ap Geiriaduron</u>' - free dictionary app to your phone or tablet for instant translation of words.</p>
<p>Year 12 Welsh Bacalaureate</p>	
<p>Topic Overview</p>	<p>Enterprise and Employability Challenge . A piece of coursework designed to identify and improve team work/business skills.</p>
<p>Assessed Tasks</p>	<p>4 assessed tasks. Deadlines below:</p> <p>Task 1 – 11th September</p> <p>Task 3 – 9th October</p> <p>Task 2 – 4th December</p> <p>Task 4 – 11th December</p>
<p>Resources</p>	<p>All resources can be found on the google classroom or hwb team.</p>