

Walthamstow Academy – Year 11 Curriculum Experience Core Subjects



Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

Subject	Page Number
English	3
Maths	6
Science	8
RE	12

Welcome to the Curriculum Experience of Core Subjects for Year 11!

In this Curriculum Experience you can look at everything you'll be studying this academic year in the subjects listed above: all the brilliant topics you'll be learning about and the knowledge and skills you will gain, in preparation for your GCSEs at the end of this year. You can also see what assessments are going to be set each half term in each subject, so you can plan your revision and prepare yourself for your assessments and PPEs. Our teachers have also included information for you on what extra-curricular opportunities you can pursue in order to study subjects and topics in more depth – from books, to websites, to documentaries, to places to visit.

If you have any questions about anything in this document, you can ask your subject teacher, your form tutor or your Head of Year.

Term	ENGLISH Curriculum Content	Assessments	Extra-Curricular Options (Places to visit; videos: wider reading; clubs to join)
<p>Year 11 English Curriculum Overview: <i>In year 11, students begin the year with a study of Shakespeare’s Macbeth, and Jekyll and Hyde by Robert Louis Stevenson. Using the skills and knowledge acquired from their detailed study of poetry in year 10, the students become adept at using contextual knowledge to inform their analysis. The rest of the year is dedicated to targeted revision and practice for the four papers the students will sit in the summer. Revision strategies will be taught explicitly, with students being encouraged to draw parallels between the texts they are studying. When practising for literature, students will be encouraged to take ownership of the knowledge they have acquired, developing clear and detailed premises outlining their understanding of the writer’s intentions. In preparation for the Language exams, students will be exposed to a wide range of unseen sources, approaching them forensically to decode how language is used to create meaning. In Year 11 Walthamstow Academy students are encouraged to become confident, fluent writers who are adept at conveying their own world view in writing.</i></p>			
<p>Year 11 HT1</p>	<p>Unit Title: Macbeth Students will study Shakespeare’s Macbeth through a focus on the assessment objectives: Key themes and authorial intention - Students will be able to read the text and create a convincing premise regarding their interpretation of its meaning Context - Students will understand how the literary and contextual factors around the text influenced meaning, and be able to draw direct links to language choices Analysis of language, structure and form - Students will be able to analyse the text, identifying methods and evaluating how this affects meaning Unit Title: The Strange Case of Dr Jekyll and Mr Hyde part 1 Students will study Stevenson’s Dr Jekyll and Mr Hyde following the same pattern and methodology as used for Macbeth. The unit will start with a focus on context and big ideas and move on to analysis in HT2.</p>	<p>Formative assessment based on theme.</p> <p>Formative (pre-seen) assessment based on theme.</p>	<p>Watch Macbeth (2015)</p> <p>National Theatre https://www.nationaltheatre.org.uk/shows/macbeth</p> <p>Documentary: https://www.bbc.co.uk/programmes/p00qhsr5</p> <p>Ian Rankin’s documentary on Jekyll and Hyde: https://www.bbc.co.uk/programmes/b007qyzv</p>
<p>Year 11 HT2</p>	<p>Unit Title: The Strange Case of Dr Jekyll and Mr Hyde part 2 Students will recap and revise the key themes of the text, before looking at alternative interpretations of the narrative. This unit will be concluded with exam practice. Unit Title: English Language – Writers’ Viewpoints and Perspectives</p>	<p>Formative pre-seen assessment based on theme.</p>	<p>Students should read some form of current affairs every day in order to keep abreast of what is happening in the UK and around the world.</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

	<p>Students will revise a variety of unseen extracts from non-fiction texts (such as news articles, biographies and autobiographies) and remember how to:</p> <ul style="list-style-type: none"> - Read texts actively and read for meaning - Compare non-fiction texts in terms of content and writers' perspectives - Analyse how writers' choice of language and structure creates meaning <p>Unit Title: Writing to Argue or Persuade Students will revise how to structure and write a persuasive argument, which is both convincing and compelling, either in article, speech or letter form.</p>	<p>PPE 1: November Literature Paper 1 Language Paper 2</p>	<p>Recommended websites:</p> <p>www.theday.co.uk Username and password can be provided by English teacher</p> <p>https://www.bbc.co.uk/news</p>
<p>Year 11 HT3</p>	<p>Unit Title: English Language – Explorations in Creative Reading and Writing Students will revise a variety of unseen extracts from fiction texts and remember how to:</p> <ul style="list-style-type: none"> - Read texts actively and read for meaning - Select key information from a text - Analyse how the writer's choice of language and structure creates meaning - Evaluate given views of unseen extracts and justify their views using evidence from the text <p>Students will also recap and revise how to write creatively in order to produce convincing, compelling, and in a grammatically accurate and ambitious manner</p> <p>Unit Title: Unseen Poetry Students will learn how to read, understand and analyse the language, form and structure of a poem they have never seen before. The second part of the unit teaches the students to compare two unseen poems – identifying and analysing the similarities and differences between the language, form and structure of the two poems.</p>	<p>PPE 2: February/March Literature Paper 1 Language Paper 2</p>	<p>Wider fiction reading for pleasure (choice of texts at the student's discretion) – all students should read for at least 20 minutes a day</p> <p>Lots of ideas for what to read here: https://www.walthamstow-academy.org/students/virtual-library</p>
<p>Year 11 HT4</p>	<p>Unit Title: Power and Conflict Poetry Students to revise the power and conflict poems that they had learned in Year 10. The key focus on revision will be:</p> <ul style="list-style-type: none"> - Forming a clear premise related to the poem and the question – clear and detailed analysis of structure and form – Detailed knowledge of contextual factors related to the text <p>The revision lessons will focus on flashcards and exam practice with a core focus on the comparative element of the unit.</p>	<p>Formative assessment: Comparative essay on a Power and Conflict poem</p>	<p>CGP Guide to Power and Conflict</p> <p>York Notes guide to Power and Conflict Poetry</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

	<p>Unit Title: 'An Inspector Calls' – J.B. Priestley part 1</p> <p>Students will recap and revise the play in class and learn about:</p> <ul style="list-style-type: none"> • The contexts of the play (e.g. the Edwardian and post WW2 eras) and Priestley's 'big ideas' (e.g. socialism) • How the form, structure and language of the play creates meaning • How the characters and themes of the play promote Priestley's 'big ideas' 	<p>Formative assessment:</p> <p>Essay on either a character or a theme of 'An Inspector Calls'</p>	<p>'The Art of Poetry' Vol 6: Power and Conflict – Kathrine Mortimore and Neil Bowen</p> <p>Visit: The Imperial War Museum</p> <p>Recommended websites:</p> <p>www.theday.co.uk Username and password can be provided by English teacher</p> <p>https://www.bbc.co.uk/news</p>
<p>Year 11 HT5</p>	<p>Unit Title: 'An Inspector Calls' – J.B. Priestley part 2</p> <p>Students will also be reminded how to write about the play analytically and revise through exam practice</p> <p>Unit Title: Revision</p> <p>Year 11 teachers will prioritise any unit that would specifically benefit their class at this point in the built up to the GCSE exams.</p>	<p>Formative assessment:</p> <p>Essay on either a character or a theme of 'An Inspector Calls'</p>	<p>Watch: 'An Inspector Calls' (2015) BBC film</p> <p>Visit: any play currently on stage in London or the UK. Seeing a play live give students an amazing opportunity to see live theatre and a full understanding and appreciation of the difference between a play and a novel.</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

Term	MATHS Curriculum Content	Assessment(s)
<p>Year 11 Maths Curriculum Overview: <i>Topics are taught to Y11 students up to Dec for Foundation tier and March for the Higher tier. After this we follow an intense revision program. The Y11 exam consists of 3 papers - each 80 marks and the total is calculated out of 240. Grades are awarded on the total mark.</i></p>		
Year 11 HT1	<p>Higher Tier will cover:</p> <ul style="list-style-type: none"> • Solving quadratics & further Simultaneous equations • Functions • Iteration • Transformations • Statistics (Further) <p>Foundation Tier will cover:</p> <ul style="list-style-type: none"> • Pythagoras • Right angled Trigonometry • Transformations • Similar shapes • Bearings & Scale Drawings 	<p>End of topic tests – 30 min at the end of most topics</p>
Year 11 HT2	<p>Higher Tier will cover:</p> <ul style="list-style-type: none"> • Further Trigonometry & Trigonometric graphs • Quadratic inequalities • Algebraic proof • Bearings <p>Foundation Tier will cover:</p> <ul style="list-style-type: none"> • Vectors • Congruence 	<p>End of topic tests – 30 min at the end of most topics</p>
Year 11 HT3	<p>Higher Tier will learn cover:</p> <ul style="list-style-type: none"> • Circle theorems • Solving quadratics & further Simultaneous equations • Graphical transformations • Gradients (Further), and area under a graph 	<p>End of topic tests – 30 min at the end of most topics</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

	<ul style="list-style-type: none"> • Vectors <p style="text-align: center;">Foundation Tier will start the revision program</p>	
Year 11 HT4	<p>Higher Tier will cover:</p> <ul style="list-style-type: none"> • Congruence • Kinematics • Constructions & Loci <p>Foundation Tier will start the revision program</p>	End of topic tests – 30 min at the end of most topics
Year 11 HT5	Intense Revision program for both Higher and Foundation tier	Past paper practice

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

Term	SCIENCE Curriculum Content	Assessment(s) (assessment title and duration)	Extra-Curricular Options (Places to visit; wider reading; videos; clubs to join)
<p>Year 11 Curriculum Overview: Biology, chemistry, and physics are studied to develop curiosity about the natural world, insight into how science works, and appreciation of its relevance to their everyday lives. Students will continue the paper 2 content they started in the summer of year 10 and complete all paper 2 content prior to the second mocks.</p> <p>November mocks will cover all year 9 and 10 content</p> <ul style="list-style-type: none"> • Biology paper 1: Cell Biology; Organisation; Infection and response; and Bioenergetics. • Chemistry paper 1: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes. • Physics paper 1: Energy; Electricity; Particle model of matter; and Atomic structure. <p>February mocks will cover all paper 2 content</p> <ul style="list-style-type: none"> • Biology Paper 2: Homeostasis and response; Inheritance, variation and evolution; and Ecology. • Chemistry Paper 2: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources. • Physics Paper 2: Forces; Waves; and Magnetism and electromagnetism 			
HT1	<p>Ecology Understand the interconnectedness of ecosystems and the services they provide.</p> <ul style="list-style-type: none"> • Communities • Biotic and abiotic factors • Adaptations • RP - Estimating populations • Nutrient cycles • Human impact/Global Warming 	Topic test 30 to 50 marks	<p>Visit Chessington or London Zoo to improve your knowledge of animals and their environments. https://www.zsl.org/zsl-london-zoo</p> <p>•Visit the Grant Museum of Zoology</p>
HT1	<p>Chemical Analysis Understand how to detect and analyse chemicals using qualitative tests and instrumental techniques.</p> <ul style="list-style-type: none"> • Pure substances and formulations • RP - Chromatography • Gas Tests 	Topic test 30 to 50 marks	<p>Watch this video on forensic science! https://youtu.be/h3-Pj-zbEq8?feature=shared</p> <p>An Intro to Forensics: The Science of Crime</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

HT1	<p>Earths early atmosphere Understand how our atmosphere has changed over tme and how humans are impacting it now.</p> <ul style="list-style-type: none"> • Greenhouse gases • atmospheric pollutants • Climate change • carbon footprint 	Topic test 30 to 50 marks	Visit the Exploring Space exhibition at the Science Museum
HT1	<p>Use of Earth's resources Understand how industries collect and use resources and their environmental impact</p> <ul style="list-style-type: none"> • LCA and recycling • Alternative metal extraction (HIGHER) • RP - Potable Water • Waste water treatment 	Topic test 30 to 50 marks	Engineers' exhibition at the Science Museum Visit the Brunel Museum
HT2	<p>Forces Understand and describe how forces interact with different objects and cause different motions</p> <ul style="list-style-type: none"> • Forces and interactions • $W=mg$ • Resultant forces • Forces and work • Forces and elasticity • RP - Hooke's Law • Speed, distance, time • Acceleration • Velocity and acceleration • Terminal Velocity • RP - Acceleration • Forces and Braking • Momentum (HIGHER ONLY) 	PPE 1 - Biology Paper 1, Chemistry Paper 1 and Physics Paper 1 - Each 75 minutes, 75 marks Topic test 30 to 50 marks	Check out the Making the Modern World exhibition at the Science Museum

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

HT2	<p>Inheritance, variation and evolution Understand how genes are inherited over time and combine to produce different characteristics</p> <ul style="list-style-type: none"> • Variation and Natural selection • Evolution and Extinction • Evidence for Evolution (I) • Selective breeding • Genetic engineering • Classification 	Topic test 30 to 50 marks	<p>Visit the Jurassic Coast whilst holidaying in Dorset and East Devon. Visit the museums, visitor centres and attractions, take the 'walk through time' and hunt for fossils. http://jurassiccoast.org.</p>
HT2/3	<p>Rates Understand how chemical reactions can happen at various rates, influenced by reactivity and other factors.</p> <ul style="list-style-type: none"> • Measuring rates + effect of temp • RP - The effect of concentration • The effect of surface area • Pressure • Catalysts • Reversible Reactions • Le Chateliers principle (HIGHER ONLY) • Industrial conditions (HIGHER ONLY) 	Topic test 30 to 50 marks	<p>Check out this BBC program on the Haber-Bosch process https://www.bbc.co.uk/programmes/p04f77rg</p>
HT3	<p>Organic Chemistry Understand the chemistry of carbon compounds that are found in living and once-living materials, like plants and animals, including fossil fuels.</p> <ul style="list-style-type: none"> • Crude oil and alkanes • Fractional distillation • Cracking • Using crude oil products 	Topic test 30 to 50 marks	<p>Check out how plastic which is a product of hydrocarbons can be used at the Design Museum!</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

HT3	<p>Waves Understand how waves carry energy and information and how different types of waves can be used for different technologies</p> <ul style="list-style-type: none"> • Waves • Wave calculation • Sound in air • RP - Wave speed in liquids + solids • Waves at boundaries (COMBINED ONLY) • Properties and uses of EM waves • RP - Infrared radiation 	Topic test 30 to 50 marks	Go the Technicians exhibition at the science museum to learn about being a lighting technician.
HT4	<p>Magnetism and electromagnetism Understand electromagnetic effects used in a wide variety of devices from including motors.</p> <p style="padding-left: 20px;">Magnetism + magnetic fields Electromagnetism Motor effect Motors</p>	PPE 2 - Biology Paper 2, Chemistry Paper 2 and Physics Paper 2 - Each 75 minutes, 75 marks	
Year 11 HT5	Revision and Exam prep		

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

Term	RE Curriculum Content	Assessments	Extra-Curricular Options <i>(Places to visit; videos; wider reading; clubs to join)</i>
<p>Year 11 RE Curriculum Overview:</p> <p><i>Students will build upon their understanding of the core theological beliefs of Islam studied in year 8 by examining these beliefs in greater depth, focusing upon scriptural analysis. Students will gain knowledge of the historical roots of the Sunni and Shi'a split and how this affects belief and practice. Students will also gain knowledge of the nature of Allah, the role of prophethood, life of prophet Muhammad (pbuh), importance of angels, holy books, beliefs about life after death, different Muslim understandings of heaven and hell and free will. Students will revisit some of the philosophical issues studied in year 10, life after death, heaven and hell and freewill, and broaden their evaluations through considering Muslim responses.</i></p> <p><i>Students will examine how the beliefs studied in the previous term influence practice. Students will examine the 5 Pillars of Islam and festivals of Id-ulAdha and Id-ul-Fitr; how they express Muslim beliefs, how they are practiced differently by Sunni and Shi'a Muslims and the issues affecting Muslims' religious practice in the UK. The concept of Jihad will be examined in detail, exploring different Muslim interpretations, and evaluating the moral issues surrounding terrorism and acts of violence. This will enable students to critically assess the representation of Muslims in the mass media and gain an informed understanding of Islamic beliefs and practices.</i></p> <p><i>Students will study religious, philosophical and ethical arguments pertaining to religion and life, human rights and social justice and relationships and families. Students will explore contrasting perspectives in contemporary British society and be able to explain them with reference to Christianity and Islam.</i></p> <p><i>Students will practise their skills in formulating arguments from different theological and world views, demonstrating their knowledge of divergent views and grasping the concept of counterarguing. Students will practice evaluating ethical and theological statements and reach clear evidence based judgments. They will continue to develop their critical thinking and curiosity and derive at their own evidence based judgements.</i></p> <p><i>Students will practise comparing the contrasts between different religious views in Christianity and Islam pertaining to various ethical issues. Students will use the diagnostic testing technique and complete low stakes quizzes.</i></p>			
<p>Year 11 HT1 -2</p>	<p>Unit Title: Islam beliefs and practices</p> <p>Students will learn the diverse religious traditions and beliefs in Islam in Great Britain today. Students explore the beliefs, teachings and practices of Islam and their basis in Islamic sources of wisdom and authority. They gain the cognitive skills to be able to refer to scripture and/or sacred texts as evidence for Islamic belief and or practice. Students study the influence of the beliefs, teachings and practices on individuals, Muslim communities, and our society.</p>	<p>Formative assessment 5-10 mark small stakes retrieval quiz in each lesson</p> <p>Summative assessment Feature a multiple choice 1 mark question, 2, 4, 5 and 12 mark question which steadily</p>	<p>Discovering religious text - https://www.bl.uk/sacred-texts/teaching-resources</p> <p>BBC Bitesize GCSE https://www.bbc.co.uk/bitesize/subjects/zb48q6f</p> <p>REOnline Festivals calendar https://www.reonline.org.uk/festival-calendar/</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

	<p>Students study common and divergent views within Islam in the way beliefs and teachings are understood and expressed referring to a range of different Muslim perspectives, including those from Sunni and Shi'a Islam.</p>	<p>increases in complexity of skill.</p>	<p>REOnline - Subject knowledge https://www.reonline.org.uk/subject-knowledge/</p>
<p>Year 11 HT3</p>	<p>Unit Title: Religion, human rights and social justice Students study religious teachings, and religious, philosophical and ethical arguments, relating to the issues such as human rights, poverty and discrimination etc, and their impact and influence in the modern world. Students explore contrasting perspectives in contemporary British society on all of these issues. Students will also be able to explain contrasting beliefs on the following three issues with reference to the main religious tradition in Britain (Christianity) and one or more other religious traditions:</p> <ul style="list-style-type: none"> • Status of women in religion. • The uses of wealth. • Freedom of religious expression. 	<p>Formative assessment 5-10 mark small stakes retrieval quiz in each lesson</p> <p>Mid of year assessment Feature 3 multiple choice 1 mark question, 2, 4, 5 and 12 mark question which steadily increases in complexity of skill.</p>	<p>Email a believer (REonline) http://pof.reonline.org.uk/</p> <p>Guardian online - Religion https://www.theguardian.com/world/religion</p> <p>BBC GCSE RS videos https://drive.google.com/open?id=1rcCzolahqH4eFcPM6Nn1KxQ5flZgwD5wgsyrg6oxN0s</p>
<p>Year 11 HT4</p>	<p>Unit Title: Religion, relationships and families Students study religious teachings, and religious, philosophical and ethical arguments, relating to the issues such as human sexuality, women's rights in religion and divorce etc and their impact and influence in the modern world. Students develop their understanding of contrasting perspectives in contemporary British society on all of these issues. Students will be able to explain contrasting beliefs on the following three issues with reference to the main religious tradition in Britain (Christianity) and one or more other religious traditions:</p> <ul style="list-style-type: none"> • Contraception. • Sexual relationships before marriage. • Homosexual relationships. 	<p>Formative assessment 5-10 mark small stakes retrieval quiz in each lesson</p> <p>Summative assessment Feature 8 multiple choice 1 mark question, 2, 4, 5 and 12 mark question which steadily increases in complexity of skill.</p>	<p>Most BBC RE clips https://drive.google.com/open?id=17VMuMqZ7JZXFnz-k2M0FEgxQqJbF9A1hUL8igC5eNF</p> <p>Truetube https://www.truetube.co.uk/</p> <p>REquest - Christianity https://request.org.uk/</p> <p>The Bible society videos - Christian https://www.youtube.com/user/biblesocietytv/videos</p> <p>The Bible project https://www.youtube.com/user/jointhe bibleproject/playlists</p>

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects

<p>Year 11 HT5</p>	<p>Unit Title: RE revision in the study of religion and thematic studies Revision techniques</p> <ul style="list-style-type: none"> • Small stake quizzes – key terms and key religious sources of wisdom • PLCs – diagnostic testing 	<p>GCSE (summative assessment) Feature 8 multiple choice 1 mark question, 2, 4, 5 and 12 mark question which steadily increases in complexity of skill.</p>	<p style="text-align: center;">Seneca https://www.senecalearning.com/</p> <p style="text-align: center;">Quizlet https://quizlet.com/en-gb</p> <p style="text-align: center;">MrMcMillanREvis https://www.youtube.com/user/MrMcMillanREvis/playlists</p> <p style="text-align: center;">BBC - podcasts & programmes - Ethical theories https://www.bbc.co.uk/programmes/topics/Ethical_theories?fbclid=IwAR1bowymJUmq1stCD343tPB8f4vaoS8S7CO9Si4E0b8CM2yXzL6iuqyBuSU</p> <p style="text-align: center;">University of Oxford podcasts - Theology & religion https://podcasts.ox.ac.uk/uni.../faculty-theology-and-religion</p> <p style="text-align: center;">University of Oxford podcasts - Philosophy https://podcasts.ox.ac.uk/units/faculty-philosophy</p> <p style="text-align: center;">BBC - podcasts & programmes - Ethics https://www.bbc.co.uk/programmes/topics/Ethics?fbclid=IwAR3BGqxtWZwojTxeNER4ZFi2KtSAFCpXIQJPEF3gKhIGzn2hS87som_N_us</p>
-------------------------------	--	--	---

Walthamstow Academy - Year 11 Curriculum Experience Core Subjects