Longfield Academy Curriculum Overview KS3

		Core Subjects – The 'Basics'		Core Subjects			EBACC & Facilitating Subjects				Foundation Subjects			
		English Language & Literature	**Maths**	**Science**	**PE**	**Life**	**Spanish**	**History**	**Geography**	**Computing**	**Music**	**Art**	**Design Technology**	**Drama**
Year 7	Half Term 1	Darkside novel - Reading	Sequences. Algebraic notation and substitution. Expressions and equations.	Cells and organisation Reproduction in plants	Rotation: Fitness, netball, basketball, swimming, rugby, football	Belonging to a Religion	Introducing myself	Britain before 1066	Continents and oceans Human and physical geography Characteristics of hot and cold environments Impacts of tourism	Safety and Security	Rock School: What music means to you	Natural form Formal elements Drawing and painting	Working with Timbers	London Its history, culture and future
	Half Term 2	Gothic – Creative Writing	Place value, ordering and rounding. The four operations. Averages and range. Rounding and estimation	The particle model Voltage and current	Rotation: Basketball, rugby, swimming, football, badminton	Religion and Society	Presenting other people	The Norman Conquest of England	Countries in UK and The British Isles Human and physical geography of The British Isles Topography, grid references, scale and distance on OS maps Longitude and latitude	Movie making	Music through time: The Medieval and Renaissance Period: 1400-1600.	Natural form Intaglio Printing & textiles	Working with Polymers Soldering circuits	Your Planet! Develop a deeper understanding through drama of why they are important to maintain and protect
	Half Term 3	Global Issues and Activism - Reading	Graphing data. Fractions decimals and percentages	Forces and motion – speed Pure and impure substances – Separating mixtures	Rotation: Outdoor adventures, cross country, rugby, football, fitness, swimming	Expression and Religious Clothing	My school and studies	Life in Medieval England	Fluvial processes Characteristics of waves Landforms in the coastal environment Engineering strategies to manage coastal processes	Logo Game making	Music Around the World: British Folk Music.	Seedpods: Outsized Drawing	Working with Textiles	Shakespeare Tour: Where are they set?
	Half Term 4	Global Issues and Activism - Writing	Directed number. Fractions decimals and percentages of amounts. Perimeter and area.	Variation Chemical reactions – Acids and alkali	Rotation: Badminton, fitness, outdoor adventure, cross country, dance, gym	Growing up and Healthy relationships	Where I live	Power in Medieval England	Earth's structure Plate boundaries Convection currents Natural hazards Earthquakes	Control systems	Rock school: Jazz and the Blues	Seedpods & Aboriginal Art: Relief prints	Working with Metals	Theatre Critic: Review a live performance
	Half Term 5	Shakespeare, The Tempest – Reading	Speed distance time calculations and graphs. Properties of numbers.	The solar system Climate	Rotation: tennis, athletics, cricket, dance, gym, rounders	Prophets and Leaders	My free time activities	Tudor England	Plate boundaries Volcanoes: types, eruptions and living with	Word processing / DTP	Music through time: The Baroque Period: 1600-1750.	Photoshop: Digital art development	Food Hygiene and safety	The Tempest explored through performance
	Half Term 6	Shakespeare, The Tempest – Reading	Adding and subtracting fractions. Angles and polygons.	Sound waves Reproduction in humans	Rotation: Cricket, rounders, tennis, softball, dance, gym	Religious Traditions	My free time activities (in past and future)	Stuart England	Globalisation Impacts of TNCs – social, economic, environmental and political Globalisation in Darlington	AI and Smart systems	Music Around the World: The Music of Africa	Final outcomes: Clay tile relief	Nutrients	Commedia Dell 'Arte: Explore street theatre as a genre using The Tempest as stimulus

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Year 8	Half Term 1	The Dark Lady - Reading	Ratio. Proportion and scale. Algebraic manipulation.	Magnets and Electromagnets Earth's resources	Rotation: Swimming, netball, basketball, badminton, football, rugby	Worship at home Places of worship	Holidays	The British Empire: To what extent did it bring progress?	Water cycle Fluvial processes River landforms Engineering strategies to manage flooding	Safety and security	Rock school: Rock n' Rol in the 1950's	Mechanical objects Drawing and painting	3rd Angle project drawing	London's Gothic links and beliefs
	Half Term 2	Fantasy – Creative Writing	Coordinates and graphs. Multiply and divide fractions. Symmetry and reflection	Understanding chemical reactions Human Lifestyles - Health, Growth and Life Cycles	Rotation: Basketball, swimming, football, badminton, rugby	Festivals of Light Chrisitan Festivals over time	Holidays (in 3 tenses)	The British Empire: To what extent did it bring progress?	International tourism Consequences of tourism National parks Glaciation	Animation	Music through time: The Classical Period: 1750 - 1820	Mechanical objects Repeat pattern lino print	Developing a product using CAD CAM	Explore the Gothic genre though improvisation, creating a Gothic world
	Half Term 3	Culture and Identity - Reading	Area volume and density Equations and inequalities. Percentage calculations.	Classification of living organisms Moving by Force	Rotation: Swimming, football, fitness, rugby	Pilgrimage in Abrahamic Religions Pilgrimage in Indian Religions	Organising outings	Britain and the Slave Trade	History of Africa Biomes in Africa Urban opportunities Challenges in the Horn of Africa	Programming 1	Music Around the World: British Culture and Musicals.	Portraits: Darwing & Painting	Exploring Textiles	Modern performance genres, including the role of a Youtuber
	Half Term 4	Culture and Identity - Writing	Laws of indices. Standard form. Interpret and represent data.	Pollution Biochemistry Evaporation and the water cycle	Rotation: Badminton, rugby, swimming, fitness, outdoor adventures, cross country	Rites of Passage: Marriage and Growing Up	Ordering then buying food	Equality in America – The Civil Rights Movement	Population increase Cause of migration Controlling population change	Computers and networks	Rock school: Rock n' Roll: 1960's.	Portraits: Research & Symbolism	Generating a prototype	Human Rights explored using a variety of stimuli
	Half Term 5	Shakespeare – 'Romeo and Juliet'	Angles in parallel lines and polygons. Tables and probability.	More about force Reproduction	Rotation: Athletics, rounders, tennis, softball	Keeping Safe: RSE and Safety	Diet and health habits	Equality in America – The Civil Rights Movement	Extreme weather types and consequences	Spreadsheets	Music through time The Romantic Period: 1820-1900.	Photoshop: Digital art development	Food science	Exploring 'Romeo and Juliet' through Drama Explore the text using practitioners' methods and ideas
	Half Term 6	Shakespeare - 'Romeo and Juliet'	Circles. Graphs and charts. Sequences with algebra.	Acids and Alkalis Simple electric circuits	Rotation: Softball, tennis, cricket	Crime: Drugs and Alcohol, Gang Crime	Jobs	The Developme nt of Voting Rights in the UK	Climate in the Middle East Mineral extraction Hot deserts Impacts of tourism	HTML	Music Around the World: Samba and South America.	Final outcome: Symbolic self portrait		

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Year 9	Half Term 1	The Hunger Games - Reading	Properties of number. Application of percentages. Area and volume.	Material cycles and energy Waves Chemical reactions – Metals and non-metals	Rotation: Swimming, netball, basketball, football, fitness, rugby, netball	Nature of God	Having fun – social media, sports	The First World War and the interwar years	Spatial patterns of crime Causes of crime and conflict Preventing development	Safety and security	Rock school: Cover Versions Popular Music Performance Project	Street art Phlegm and mythical creatures Drawing, research and designs	Evaluating a brief Mechanical Devices	Dystopian Worlds Exploring the dystopian genre to create a dystopian world
	Half Term 2	Dystopian Creative Writing	Equations, inequalities and formula. Fractions. Rates and compound units. Standard form calculations.	Genetics and Evolution – Inheritance, DNA, chromosomes and Gene Energy changes and transfers Forces	Rotation: Basketball, football, swimming, netball, badminton	Ethics, Evil and Suffering	Having fun – going out	Hitler and the Rise of the Nazi	Measuring development Causes of uneven development Consequences of uneven development Reducing the development gap	Graphics	Music through time: The Twentieth Century: Minimalism.	Street art Phlegm 3D sculptural outcome	Generating ideas and developing a suitable outcome	Creating short plays set in dystopian worlds
	Half Term 3	Extreme Experiences - Reading	Maths and money. Straight line graphs. Ratio and proportion.	Genetics and evolution – Biodiversity Chemical reaction and energetics	Rotation: Swimming, fitness, rugby, football	Creation and Design	Travel and tourism	Hitler and the Rise of the Nazi	Characteristics of tropical rainforests Plant and animal adaptation Consequences of deforestation Sustainable management of deforestation	Programming 2	Music Around the World: Film Music.	Local landscapes Drawing and painting	Generating a prototype	Exploring play scripts/scenes set in challenging places/times
	Half Term 4	Conflict Poetry and Extreme Experiences	Construction and congruence. Similarity. Algebraic manipulation	Earth's resources Pressure in fluids and Forces	Rotation: Badminton, rugby, swimming, fitness, cross country, outdoor activities	War and Peace in Religion	Holidays	The Holocaust	Rural to urban migration Opportunities and challenges linked to urbanisation Greenfield and brownfield sites	Binary and pixel images	Rock school: Songwriting Popular Music Composition Project.	Local landscapes: Photography		Who am I? Using a variety of monologues to explore hope, loss and success
	Half Term 5	Shakespeare - 'Macbeth'	Pythagoras theorem. Nonlinear graphs. Sets and probability	GCSE bridging unit – Key concepts in biology	Rotation: Athletics, rounders, tennis, softball	Terrorism and PREVENT	People and friendships	Conflict after the Second World War	Human and natural causes of climate change Consequences of climate change Adaptation and mitigation Sustainability	Kiosk	Music through time: The Twentieth Century: Film Music.	Photoshop: Digital edits	Food provenance and seasonality	Exploring the play 'Macbeth' using varying stimuli and ideas from poems and other texts
	Half Term 6	Shakespeare - 'Macbeth'	Construction and congruency. Simultaneous equations. Trigonometry.	GCSE bridging unit – Separating mixtures GCSE bridging unit – Motion	Rotation: Cricket, tennis, rounders, softball	Safe Relationships – Online Safety	Relationships and advice	Conflict after the Second World War	Biomes The history of Russia Human and physical features Natural resources	Database	Music Around the World: Reggae and Caribbean Music.	Final outcome: Acrylic painting		

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		English Language & Literature	Mathematics	PE	Life	Biology	Chemistry	Physics	Spanish	History	Geography
		AQA	Edexcel	AQA		Edexcel	Edexcel	Edexcel	AQA	Edexcel	AQA
Y10	Half Term 1	English Language Paper 1: Explorations in Creative Writing	Algebraic manipulation Equations inequalities and formulae Quadratic expressions and equations	Rotation: Invasion games, net/wall games, pool, fitness	Safe Relationships	Cells and control	Atomic structure and the periodic table	Forces	People, relationships and advice	Medicine through time, c. 1250-Present	The changing economic world
	Half Term 2	19th Century Novel: A Christmas Carol	Percentages Ratio and scale Problem solving with fractions	Rotation: Invasion games, net/wall games, pool, fitness	Abortion and Medical Ethics	Genetics	Bonding, structure, and the properties of matter	Forces	Health and habits		The changing economic world
	Half Term 3	English Language Paper 2 - Reading	Non calculator methods Straight line graphs Probability	Rotation: Invasion games, net/wall games, pool, fitness	Finance and Employment	Natural selection and genetic modification	Acids	Conservation of energy	Neighbourhood		The living world
	Half Term 4	English Language Paper 2 - Writing	Rounding and estimation Perimeter, area and volume Interpret and represent data	Rotation: Invasion games, net/wall games, pool, fitness	UK Politics	Health and disease	Calculations with masses	Waves and the EM spectrum	Cities and shopping	Early Elizabethan England, 1558-1588	The challenge of resource management
	Half Term 5	Modern Drama: 'An Inspector Calls'	Angle rules Graphs and diagrams Vectors	Rotation: Tennis, Athletics, striking and fielding games	Crime and Punishment	Homeostasis and response	Electrolytic processes	Radioactivity	Future plans and jobs		Physical landscapes in the UK
	Half Term 6	Power and conflict poetry Speaking and listening	Factors and Powers Pythagoras and trigonometry Simultaneous equations	Rotation: Tennis, Athletics, striking and fielding games	International Politics and Human Rights	Ecology	The rate and extent of chemical change	Atomic structure	Exam prep, mocks and feedback	Weimar and Nazi Germany, 1918 - 1939	Fieldwork
Y11	Half Term 1	Shakespeare - Macbeth	Ratio, proportion and rates of change Application area and volume Similarity and congruence	Rotation: Invasion games, net/wall games, pool, fitness	Safe Relationships – Making Safe Decisions	Genetics	Rates of reaction	Forces and motion	Daily routine Health	Weimar and Nazi Germany, 1918 - 1939	The challenge of natural hazards
	Half Term 2	Mock exam revision Language: deepening application Literature: response construction	Sequences and proof Standard form Work with circles Set notations and venn diagram	Rotation: Invasion games, net/wall games, pool, fitness	Safe Relationships – Making Safe Decisions	Natural selection and genetic modification	Fuels	Waves, light and the EM spectrum	Relationships Social and Global issues		The challenge of natural hazards
	Half Term 3	Revision Weekly assessments	Functions and graphs Equations and formulae Angle bearings and trigonometry	Rotation: Invasion games, net/wall games, pool, fitness	Wider World – Finance and Debt	Homeostasis	Earth and atmosphere science	Magnetism	Exam skills, speaking prep	Superpower Relations and the Cold War, 1941-91	Urban issues and challenges
	Half Term 4		Revision	Rotation: Invasion games, net/wall games, pool, fitness	Exam Stress and Revision Techniques	Ecosystems and material cycles	Separating mixtures	Forces and matter	Exam skills and consolidation of topics based on gaps.		Issue evaluation and fieldwork
	Half Term 5		Revision	Rotation: Tennis, striking and fielding games	Revision Techniques	Get Exam Ready	Get Exam Ready	Get Exam Ready		Revision	Revision
	Half Term 6	Exams									

Longfield Academy Curriculum Overview KS4

		Options										
		Art	**Computer Science**	**Creative Design**	**Drama**	**Design and Technology**	**Food and Cookery**	**Health and Social Care**	**Photography**	**RE**	**Sports Studies**	**Statistics**
		AQA	**OCR**	**NCFE**	**AQA**	**Edexcel**	**NCFE**	**OCR**	**AQA**	**AQA**	**OCR**	**Edexcel**
Y10	Half Term 1	Skills workshops	1.1 Systems Architecture including: Architecture of the CPU, CPU Performance and Embedded Systems. Programming recap.	Design and production in context	Mock component 2: Exploration of styles practitioners using a play as stimulus	Electronic Systems and New Technologies	Health & safety relating to food, nutrition and the cooking environment	R033: Growth and development through a life stage	Texture	Christianity introduction	Contemporary issues in sport topic 1	Collection of data
	Half Term 2		1.2 memory and Storage including: Primary and Secondary Storage, Units of storage, Data Storage and Compression. KS4 Programming.	Design Materials and processes	Mock devising component 2: Understanding how to devise Ends with showcase night	Application of Materials	Food legislation and food provenance	R033: Impact of life events		Christianity beliefs	Increasing awareness of outdoor and adventurous activities	Processing and Representing data
	Half Term 3		1.3 Networks, Connections and Protocols including Network Types, Network Topologies, Wired and Wireless Networks, Protocols and layers. 2.2 Programming Fundamentals, Data types and techniques.	Design Brief and production processes	Component 1: Preparation Reading and exploring the set play Component 1: Watch live performance of set text	Mechanical Devices	Food groups, key nutrients and a balanced diet	R033: Research and recommend individual support to meet individual need		Christianity practices	Contemporary issues in sport topic 2	Processing and Representing data
	Half Term 4	Sustained project	1.4 Network Security including threats to computer system and networks as well as identifying and preventing vulnerabilities. 2.3 Producing Robust Programs including defensive design and testing.	Presentation of a design solution	Project Component 3: Rehearsal of two contrasting extracts	The work of others	Food groups, key nutrients and a balanced diet	R032: Rights and settings	Sustained project	Islam beliefs	Increasing awareness of outdoor and adventurous activities	Scatter Graphs
	Half Term 5		1.5 System Software including Operating Systems and Utility Software. 2.4 Boolean Logic	Review of processes and solution	Mock component 3: Exploration of texts	Timbers	Factors affecting food choice	R032: Person centred values.		Islam practices	Contemporary issues in sport revision – topic 1 & 2 Increasing awareness of outdoor and adventurous activities	Time Series
	Half Term 6	Sustained project Mock exam	1.6 Impact of Digital Technology including ethical and legal impacts, cultural and environmental impacts, and computer science legislation. 2.5 Programming Languages and IDE's	Working in the design production industries	Rehearse written responses to set play. Rehearse and prepare for mock external examiner visit.	Non-exam assessment	Food preparation, cooking skills and techniques	R032: Communication		Marriage and the family		Index Numbers
Y11	Half Term 1	Sustained project	2.1 Algorithms including computational thinking, designing and creating algorithms with searching and sorting and pseudocode Programming Task – Washing Machine	Non-exam assessment	Component 2: Devising Revisit tools and techniques. Exam devised piece.	Non-exam assessment	Recipe amendment and menu action plans	R032: Rights and settings. R034: Plan a creative activity.	Sustained project	Crime and punishment	Contemporary issues in sport topic 3 Performance and leadership in sports activities	Probability and Probability Distributions
	Half Term 2	Sustained project Mock exam	Theory Revision 1 – JvN and The Computer. 2.6 Programming 3, loops and extra practice.	Non-exam assessment	Completion of devising log	Non-exam assessment	Non-exam assessment Practical Exam	R032: Person centred values. R034: Deliver a creative activity and evaluate performance		Religion and Life, War and Peace	Contemporary issues in sport topic 4 Performance and leadership in sports activities	Revision
	Half Term 3	Exam project	Theory Revision 2 – Networks and Binary. 2.6 Programming 3, loops and extra practice.	Non-exam assessment	Component 3: Texts in practice Revisit the requirements of the component. Explore several extracts.	Non-exam assessment	Non-exam assessment	Ro32: Communication R034: Therapies and their benefits.	Exam project	Targeted revision for Mock Exams based on pupil data	Contemporary issues in sport topic 5 Performance and leadership	Revision

											in sports activities	
	Half Term 4	Exam project	Theory Revision 3 – Networks and Binary. 2.6 Programming 3 and Pseudocode	Exam revision	Component 1: Live Theatre Review Analyse a live performance. Component 3: Exam preparation. Scripted live performance.	Exam revision	Exam revision	R032: Safeguarding	Exam project	Mock Exam Walkthrough and revision based on Mock Results	Contemporary issues in sport – Exam consolidation Performance and leadership in sports activities	Revision
	Half Term 5	Revision										