



# The Duke of York's Royal Military School

## Curriculum Overview

### *Term 4*

Year 7	This half term, I am studying...
Art	Symbolism and still life. Learning how to use oil pastels and how to construct 3D forms with mod roc.
Computing	<ul style="list-style-type: none"> <li>• An introduction to Python</li> <li>• Using the Turtle module in Python</li> <li>• Repetition</li> </ul>
Dance	Choreographic methods- exploring chance dance
Design Technology	Electric Vehicle
Drama	Shakespeare - The Tempest
English	Poetry - The Natural World
French	Family life and Where I live
Food Technology	Eatwell Guide & Healthy Living
Geography	Population & migration
History	Renaissance
Maths	<ol style="list-style-type: none"> <li>1. Operations with directed number</li> <li>2. Addition and subtraction of fractions</li> </ol>
Music	Y7 Band Project - 1. Music Theory 2. Singing 2. Band Ensemble
PE	Ball games or swimming
PSHEE	Careers, Personal Target Setting, Global Perspectives
RE	Christianity with a focus on Jesus
Science	7C Muscles and bones and 7G The particle model
Spanish	Family life and Where I live





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Year 8	This half term, I am studying...
Art	Self- portraits in the style of contemporary artist Kehinde Wiley
Computing	<ul style="list-style-type: none"> <li>• Dealing with errors in Python</li> <li>• Python lists</li> <li>• Graphics in Python</li> </ul>
Dance	Choreographing to a stimulus
Design Technology	Freestanding Lamp
Drama	Status
English	Poetry - Around the World
French	Town, free time, and festivals
Food Technology	Food Science - Working Characteristic of Protein and Carbohydrates
Geography	Globalisation based on the book " The Almighty Dollar"
History	Causes of WW1
Maths	<ol style="list-style-type: none"> <li>1. Fractions and decimals</li> <li>2. Standard Index Form</li> <li>3. Developing number sense</li> </ol>
Music	1. Theme and Variation 2. All That Jazz
PE	Net and wall games
PSHEE	Personal Target Setting and Emotional Literacy
RE	Religious approaches to caring for the environment
Science	8C Breathing respiration and 8G Metals and their uses
Spanish	Free time and life at school





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<b>Year 9</b>	<b>This half term, I am studying...</b>
Art	We are looking at the artists Mairi Stone and Courtney Mattison and their work with coral.
Computing	Artificial Intelligence
Dance	Conflict- the use of contact work to portray a theme
Design Technology	Mechanisms
Drama	Choices
Duke of Edinburgh	
English	Poetry - Love and Relationships
French	Work and Holidays
Geography	Geographers as Critical Thinkers – Global Challenges and Sustainable Actions
History	WW2
Maths	1. Deduction 2. Rotation and translation 3. Pythagoras' Theorem
Music	1. Soundtracks 2. New Directions (Minimalism, Serialism, Experimental Music)
PE	Badminton, HRE or swimming
PSHEE	Work Skills, Enterprise, Personal Development
RE	Women in religion
Science	9Sc1 & 9Sc3 - B1 Cell structure and transport & P3 Energy resources 9Sc2 & 9Sc4 - B1 Cell structure & C1 Atomic structure
Spanish	Global and social issues





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Year 10	This half term, I am studying...
Art	Students will begin their GCSE Coursework on the theme of Human Condition
Biology	B8 Photosynthesis, B9 Respiration and B10 The human nervous system.
Business Studies	Human Resources
Chemistry	C5 Chemical Changes and C6 Electrolysis
Computing	Theory: operating systems, OS file management, OS process management, OS peripherals and user management, utility software Programming: string format, two dimensional lists, validation, linear search (one dimensional), linear search (two dimensional)
Dance	Component 1- Exploring the Performing Arts Work study: Some Like it Hip Hop
Design Technology	
Drama	Noughts and Crosses - practical exploration. Analysis of live theatre performance.
Duke of Edinburgh	Practice Expedition Preparation
English	Poetry - Power and Conflict
Food Technology	Unit 4 - Food Provenance
French	Life at school and Holidays
Geography	UK environments - Coastal landscapes
History	Cold War
Maths	Higher: Area and volume; transformations and constructions Foundation: Averages and range; area and volume
Music	1. Music for Ensemble (Jazz and Musical Theatre) 2. Free Composition
PE	Commercialisation in sport
Photography	Students will begin their GCSE Coursework on the theme of Human Condition
Physics	P6 Molecules & matter; P7 Radioactivity; P9 Motion
PSHEE	Grief and Bereavement, Suicide, Anxiety, Binge Drinking, Homelessness
RE	Buddhist beliefs and practices
Resistant Materials	Mini NEA project - small storage unit
Science	Biology – B7 non-communicable disease, B8 photosynthesis and B9 respiration Chemistry – C4 quantitative chemistry, and C5 chemical changes (salts) Physics – P5 electricity in the home; P6 molecules and matter; P7 radioactivity
Spanish	Life at school and Holidays





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## Curriculum Overview

### Term 4

Year 11	This half term, I am studying...
Art	Year 11 are starting their externally set exam unit. They have been given the option of different titles to respond to independently.
Biology	B18 Biodiversity and ecosystems
Business Studies	Business Finance
Chemistry	C14 Earths Resources and C15 Using Resources
Computing	Theory – AI machine learning, and robotics, personal data, privacy, data protection and computer misuse Programming – two-dimensional data structures, subprograms, problem solving, flowcharts, trace-tables, and bubble sort
Dance	C3 Responding to a brief- choreography
Design Technology	
Drama	C3 Devising from a stimulus
Duke of Edinburgh	
English	A Christmas Carol / Macbeth.
Food Technology	Non-Examination Assessment - 2
French	Town, global issues, and work
Geography	Resources - Water
History	Elizabeth I
Maths	
Music	1. Fusion - Samba Em Preludio & Afro Celt 2. Beethoven's Pathetique
PE	Cardiovascular and respiratory systems + fitness and wellbeing
Photography	Year 11 are starting their externally set exam unit. They have been given the option of different titles to respond to independently.
Physics	P14 Light; P15 Electromagnetism; P16 Space
PSHEE	Reproductive System and STIs, Drug Education, Sustainable Living
RE	Buddhism and Christianity revision
Resistant Materials	NEA - practical work - studying or working from home
Science	Biology – B16 organising an ecosystem and B17 biodiversity and ecosystems Chemistry – C12 earth's resources Physics – P12 electromagnetic waves; P13 electromagnetism
Spanish	Town, global issues, and work





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## Curriculum Overview

### Term 4

Year 12	This half term, I am studying...
Biology	2.4 Enzymes, 2.5 Biological membranes, 4.2 Biodiversity and 4.3 Classification and evolution.
BTEC Business Studies	Developing a Marketing Campaign
BTEC Engineering	Further Engineering Mathematics & Business Functions
BTEC Sport	Professional development in sport and energy systems
Business Studies	Finance and Operations
Chemistry	Alkenes, Alcohols, Chemical Analysis, Group 2, Group 7 and Redox reactions.
Computing	Approaches to Computer Architecture, the Concepts of Micro Architecture, Number Systems, Text Representation, Image Representation, Data Structures, Indexes and Matrices, Transmitting Data, Error Correction, Boolean Logic
Dance	American Jazz Dance
Drama	Bronte (Act 2), The Caucasian Chalk Circle (Act 1), Twelfth Night (extract for performance), One Man Two Guvnors (live theatre review).
English	The Great Gatsby and War Poetry
French	Media in Francophone countries, the education system in France and the French book "Un sac de billes"
Geography	Coastal landscapes and change & Contemporary urban environments
History	Weimar Germany
Maths	1. Sampling methods 2. Data Presentation 3. Proof and algebraic methods
Music	1. Free Composition 2. Progressive Rock and Pop Music 3. The Development of the Symphony
PE	Ethics and deviance in sport, diet & nutrition and theories of learning
Physics	Topic 8 Newton's Laws of motion; Topic 9 Force and momentum; Topic 10 Work, energy and power; Topic 11 Materials; P17 Motion in a circle; P19 Thermal Physics
Product Design	NEA - focus on woodwork
PSHEE	Online Subcultures, Cultural Appropriation, Culture Wars and Media Influence, Call-out Culture
Psychology	Core studies in developmental, biological, and individual differences. Extended response on research methods.
RE	Christianity to include, Wisdom and Authority, God, Self, death and afterlife,
Spanish	Media in Hispanic countries, the world of work in Spain and the Spanish play "La casa de Bernarda Alba"





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Year 13	This half term, I am studying...
Art	Year 13 are starting their externally set exam unit. They have been given the option of different titles to respond to independently.
Biology	6.3 Manipulating genomes, 6.4 Cloning and biotechnology and 6.5 Ecosystems.
BTEC Business Studies	Recruitment and selection
BTEC Engineering	Final Engineering Project & Manufacturing Processes
BTEC Sport	Practical sports performance and rules & regulations
Business Studies	Managing Strategic Change
Chemistry	Inorganic Tests, Kinetics, Thermo dynamics, Biochemistry, Organic Synthesis and NMR (Visit to Pfizers to do chemical Analysis)
Computing	Review the extent of the protection of an IT system, Enhance the protection of an IT system, Evaluate the effectiveness of the protected IT system, explain social and technological trends in Computer Gaming, discuss how current and emerging technologies impact on how games are designed and developed to meet the requirements of the users and the larger computer games industry. Produce designs for a computer game that meet client requirements. Design documentation. Review the designs with others to identify and inform refinements. Justify decisions made, showing how the design will fulfil its purpose and client requirements. Produce a computer game to meet client requirements.
English	Interleaved revision of Paper 1 and Paper 2
French	The Rise of the Far-Right French party ("le rassemblement national"), the Vichy regime, the Resistance, and the film "La Haine"
Geography	Revision
History	NEA & Revision
Maths	Integration, parametric equations, projectiles
PE	EAPI and extended questions
Photography	Year 13 are starting their externally set exam unit. They have been given the option of different titles to respond to independently.
Physics	Topic 23 Capacitors; Topic 24 Magnetic fields; Topic 25 Electromagnetic induction; Optional unit: Astrophysics.
Product Design	
PSHEE	Ageism, Tolerating Intolerance, Feminism, Sex, and the Media, Toxic and Positive Masculinity
Psychology	Re-capping mental health - History, medical and alternatives. Revisiting research methods
RE	Christianity and science, Christianity and the challenge of secularisation, Christianity, migration and religious pluralism
Spanish	The transition to democracy post Franco Spain, the challenges to immigration, political and public opinion of immigration and the film "El laberinto del fauno"

