

In Year 9, students begin to transition into their GCSE studies whilst maintaining the feel of Key Stage 3. We aim to immerse students in a wider range of subjects and disciplines, taught by specialists in order to support their choices during the Pathways process towards the end of Year 9, to start in Year 10. Students work towards achieving 9 Q3 Qualifications in order to pass Key Stage 3, known as the "Nine in Nine".

Students are divided into 8 groups. The highest attaining students are grouped, along with those students who require some additional support. These requiring the support are taught in a smaller class, in a nurturing, primary based environment. Remaining students are grouped as mixed ability for English, Mathematics, Science, French, History and Geography. All other subjects are taught as a completely mixed ability.

Our Key Stage 3 curriculum is focused on four key areas as detailed below.





English and Reading

Curriculum Leader: Mrs Kular

What do you learn?

Cycle 1	Cycle 2	Cycle 3 Cycle 4	
19 th Century Novel: A Christmas Carol How is text structured to interest a reader?	Modern Drama: An Inspector Calls How does An Inspector Calls present ideas about responsibility?	Themes of Nature	onflict Poetry e, War and Identity gnificant to a text?



One hour per week is dedicated to use of the Academy Library and make use of the Accelerated Reading programme. For more information please click <u>here</u>.

In addition, all Students in Year 9 also read for at least 20 minutes per day as part of our "Keep Calm and Read" programme which encourages young people to read for pleasure. It is expected that students have their reading book with them in every lesson.

Key spellings to know:

Simile Metaphor Personification Connotation Characterisation **lambic Pentameter** Soliloguy Monologue Dramatic Irony Imagery Oxymoron Carnivalesque Metadrama Malapropism Theatre Relationships Shakespearean Ballad Blank Verse Epic Alliteration Haiku Ode Sonnet Onomatopoeia **Enjambment** Figurative Structure Sibilance Assonance Caesura

For additional help:

Try visiting **BBC** Bitesize.

The longest English word that can be spelled without repeating any letters is 'uncopyrightable'.

"Creativity of Learning and Learning of Creativity for a love of literature and cultural heritage."

Did You Know



Mathematics

Curriculum Leader: Mr Machin

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Numerical Operations and	Forming and Solving Equations		
Properties	Forming and Solving Equations	Averages	Angles
Expressions	Powers, Standard Form and Surds	Ratio and Proportion	Tables, Charts and Graphs
Rounding, Estimating and Bounds	Perimeter, Area and Volume	Algebraic Graphs	Direct and Inverse Proportion
Expanding and Factorising	Pythagoras' Theorem and Trigonometry	Congruence and Similarity	Transformations
Powers, Standard Form and Surds		Ç	
Fractions, Decimals and Percentages	Fractions, Decimals and Percentages	Probability	Constructions

Key spellings to know:

Perimeter	Area	Isosceles	Equilateral
Circumference	Expression	Expand	Factorise
Significant	Estimate	Approximation	Mean
Range	Modal	Frequency	Discrete
Pictogram	Equation	Identity	Formula
Denominator	Reciprocal	Equivalent	Angle
Polygon	Regular	Irregular	Pentagon
Heptagon	Octagon	Nonagon	Decagon
Exterior	Inverse	Substitute	Prism
Volume	Surface Area	Sphere	Pyramid

For additional help:

Try visiting **BBC** Bitesize.

In a room of just 23 people there's a 50% chance that two people have the same birthday.

"To create fluent
mathematicians with a firm
grasp on the fundamentals
of mathematics. This will
allow all students to
develop into resilient
problem solvers."

Trapezium
Simplify
Median
Continuous
Numerator
Quadrilateral
Hexagon
Interior
Cuboid
Frustum

ScienceCurriculum Leader: Mrs Perera

What do you learn?

Term 1	Term 2	Term 3
Cell Biology Atomic Structure Energy	Cell Division Periodic Table Energy Transfer and Energy Resources Organisation and the Digestive System	Structure and Bonding Chemical Calculations Electricity and Electricity in the home

Key spellings to know:

Cell	Nucleus	Mitochondria	Cell Membrane	Vacuole
Cytoplasm	Prokaryote	Microscope	Diffusion	Specific Heat Capacity
Organ	Organism	Mole	Latent Heat	Contract
Antagonistic	Renewable	Ionic	Hazard	Flammable
Kinetic	Power	Control (Variable)	Variation	Deceleration
Independent (Variable)	Dependent (Variable)	Covalent	Gamete	Foetus
Axis	Resistance	Voltage	Adaptation	Embryo
Differentiation	Substance	Mixture	Element	Compound
Particles	State	Osmosis	Force	Equilibrium
Resistance	Interaction	Active Transport	Gradient	Diffusion
Relative Atomic Mass	Current	Electron	Glands	

For additional help:

Try visiting <u>BBC Bitesize</u>, <u>Physics</u> and <u>Maths Tutor</u> or using the <u>23 Equations</u> App.

Although it is still debated, it is largely recognized that the word 'chemistry' comes from an Egyptian word meaning 'earth'.

"Develop curiosity and imagination and empower students to ask outstanding questions to seek novel solutions."



HistoryCurriculum Leader: Mr Mills

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Health and the People: Medicine stands still and the	Health and the People: A	Elizabethan England: Elizabeth's Court and	Elizabethan England: Life in Elizabethan Times
Beginnings of change.	Revolution in Medicine and Modern Medicine.	Parliament and Troubles at Home and Abroad.	Golden Age
Medieval	Modern		Gentry
Early Modern	Revolution	Monarchy Parliament	Fashion
Renaissance	Surgery	Government Religion	Poverty
Religion	Government Intervention	Rebellion War	Government Intervention
Medicine		Foreign Relations	Exploration and Trade

Key spellings to know:

Anglo-Saxon	Aristocracy	Earl	Lord	Baron
Peasant	Monarchy	Danelaw	Domesday	Motte and Bailey
Norman	Coronation	Feudalism	Nobility	Crusade
Epidemic	Manor	Agriculture	Pope	Catholic
Protestant	Puritan	Trinity	Heresy	Cromwell

For additional help:

Try visiting <u>Activehistory.com</u>, <u>BBC Bitesize</u> or <u>Kerboodle</u>

When anaesthetic was used for the first time in childbirth in 1847, the mother was so amazed and relieved at how painless the birth was that she named her child Anaesthesia.

"Understand the present society and ourselves by understanding where we come from."

Did You Know



Geography

Curriculum Leader: Mrs Carrick

What do you learn?

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Climate Change 1	Urban Futures	Global Hazards (Tectonics)		UK in the 21st Century	
What is climate change?	How is the global pattern of globalisation	What processes occur at plate	Global Hazards (Weather)	What does the UK look like in the 21 st	DME (Geography Skills)
Why is it important in the 21 st Century?	changing? What are megacities	boundaries? What are the	Why do we have weather hazards?	Century?	How do you approach a DME?
What is the evidence for climate change?	and their characteristics?	impacts of earthquakes?	What are El Nino and La Nina?	How is the UK's population changing?	How can DMEs vary?
Can humans do anything to reduce	What are push/pull factors?	How does technology have the potential to save	What are the causes and impacts of El Nino and La Nina?	How is the London economic hub	How do you structure an answer for a DME?
impacts of climate change?	What are the effects of migration?	lives in Hazardous Zones?		significant to the UK?	

Key spellings to know:

For additional h	nelp:		Did' Vou
Triangulation	Features	Physical	Human
Distance	Opportunity	Ordinance Survey	Relief
Environmental	Favela	Concentration	Compass Direction
Suburbs	Urban	Urbanisation	Shanty Town
Nucleated Settlement	Public Transport	Refugees	Settlement
Immigrant	Inner City	Land use	Microclimate
Accessibility	Central Business District	Dispersed Settlement	Emigrant

For additional help:

Try visiting BBC News and Weather pages to keep up to date with Geography news.

The first city to reach a population of 1 million people was Rome, Italy in 133 B.C. There is a city called Rome on every continent.

Pollution Site Economic Contour Scale Population

Human Geography

"Develop a love of knowledge and appreciation for the world around us in its past, present and future forms."

French

Curriculum Leader: Mr Savadogo

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
			Travel and Tourism.
	Free time activities. Custom and festivals. Home, town, neighbourhood and region.	Social issues.	My Studies.
Me, my family and friends. Technology in everyday life.		Global issues.	Life at School and College.
		Travel and Tourism.	Education Post 16.
			Jobs, career choices and ambitions, writing a CV in French, including jobs you'd like to do in the future.

Key spellings to know:

l'aime l'adore Je n'aime pas le deteste je suis d'accord Je pense que Je trouve que à mon avis Et Aussi Mais Parce que Cependant Donc Par Contre Ne... rien Chez De plus **Dans** Il y a... Chezmoi Plus... que Moins... que Je m'apelle Ça va?

For additional help:

Try visiting <u>Kerboodle</u> or <u>Duolingo</u>.

French is the official language of France and it's also spoken in Monaco, Luxembourg, some parts of Belgium and Switzerland, in the Canadian province of Québec, parts of North and Central Africa, Vietnam, Cambodia, Madagascar and the French Overseas Departments and Territories. It can still be heard in some communities of French origin in the USA, in Maine and Louisiana.

"Enforce the values across different cultures whilst developing communication skills."

Active (PE) Curriculum Leader: Mr Turner

What do you learn?

- Use and develop a variety of tactics and strategies to overcome opponents in team and individual games [for example, badminton, basketball, cricket, football, hockey, netball, rounders, rugby and tennis]
- Develop their technique and improve their performance in other competitive sports, [for example, athletics and gymnastics], or other physical activities [for example, dance]
- Take part in further outdoor and adventurous activities in a range of environments which present intellectual and physical challenges and which encourage pupils to work in a team, building on trust and developing skills to solve problems, either individually or as a group
- Evaluate their performances compared to previous ones and demonstrate improvement across a range of physical activities to achieve their personal best
- Continue to take part regularly in competitive sports and activities outside school through community links or sports clubs.

Key spellings to know:

Heart-Rate Strategy Competition Competitor Tactic Badminton Basketball Cricket Football Netball Rounders Rugby Tennis Technique Performance **Athletics** Athlete Gymnastics Gymnast Time

Measure

For additional help:

Speak to the PE Department for additional ways you can be active.

According to the four home countries' Chief Medical Officers everybody should aim to be active daily. For adults, the recommended amount is 150 minutes (2.5 hours) of moderate activity per week, in bouts of 10 minutes or more. The overall amount of activity is more important than the type, intensity or frequency, and one way to achieve this is to do 30 minutes on at least 5 days a week.

"Inspire lifelong enjoyment and participation in physical activity, instilling core values of Tolerance, Teamwork, Perseverance and Respect.



PSHEE, RSHE, RS and Careers

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Working Together Successfully	Relationships in the Media		
Friendship	Religion and Culture	Discrimination and Tolerance	Self-Confidence and Self-Esteem
Developing and Managing Emotion	Drug Safety	Pathways	Law at Work
Marriage, Commitment and	G ,	Enterprise	Careers and Employment
Families	Influence	Citizenship +	Mental Health
Loss and Ending Relationships	Social Media	Consent	Looking after yourself
Religion and Culture	Financial Awareness	Contraception	Eating Well
Loving Relationships	Emergency Situations	·	
Accepting Differences	Growing Up	Pregnancy and Abortion	Bullying

Key spellings to know:

Relationship	Teams	Friendship	Bullying
Bi-Stander [*]	Christianity	Orthodox	Roman Catholic
Non-Conformist	Pentecostal	Islam	Sikhism
Expectation	Perspective	Consequence	Emergency
Marriage	Consent	Contraception	Gender
Bar Mitzvah	Hygiene	Obesity	Kosha

For additional help:

You can find support and guidance about your PSHE, RSHE and Careers in lots of ways. Speak to your tutor to find out more.

If you are physically tired, the best thing to do is exercise as it will give you more energy than sitting. Studies have found that the blood and oxygen flow through the body will give you more energy and improve your mood. The increase in endorphin levels can contribute to a feeling of well-being.

Disagreement
Anglican
Intimate
Creationism
Sexual Orientation
Halal

You Know

"Develop understanding of the world around us to ensure we group up happy, healthy and successful."



Art and Media

Curriculum Leader: Miss Jeanneret

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Mechanical and Natural Forms	Mechanical and Natural Forms Experimentation	Mechanical and Natural Forms	Mechanical and Natural Forms
Drawing Skills Research Skills	Printmaking	Developing Large Drawings Refining Skills	Personal Response (Final Piece)
Photography Skills	Painting Techniques Why is experimentation	What elements do you need to make an image realistic?	What materials am I strongest using?
How can you use effective observational skills to create artwork?	important in Art? How do you work in the style of an Artist?	What do we mean by 'refinement'?	What elements are needed in order to create a successful large final piece?

Key spellings to know:

Effect Pattern Line Surface Paint Material Paper Canvas Texture Primary Secondary **Tertiary** Shade Warm Tint Harmonious Cool Proportion Complementary Portraiture

A world record of 8ft 6in for the highest flying toast from a pop-up toaster was set at the Royal College of Art graduate show in 2008.

"Develop transferable skills such as: Problem Solving, Perseverance, Independence, Research, Creativity and Wider Thinking."

You C Know



Business

Curriculum Leader: Mrs Kinsella

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Exploring Enterprise What is enterprise?	Exploring Enterprise What skills do entrepreneurs	Exploring Enterprise	
What are the types and characteristics of small and medium enterprises (SMEs)?	need? How do businesses meet	What are the main features that make a product or service competitive?	Exploring Enterprise How do businesses use situational analysis?
What is the purpose of enterprise?	customer needs? How do businesses use market	What are internal factors that impact business costs?	How do you measure the success of an SME?
Why do people set up their own business?	research to understand customers?		
What are the characteristics of entrepreneurs?			

Key spellings to know:

Entrepreneur Private Limited Company Expansion Motivation Stakeholders Limited Liability
Public Limited Company
Gap in the market
Objective
Target Market

Profit Customer Market Research Revenue Competition Employees Market Share Shareholder

You C Know-

For additional help:

Speak to Mrs Kinsella.

In 1971, the iconic Nike logo was designed by a student named Carolyn Davidson for just \$35!

However, Carolyn's contribution to Nike did not go unrecognised. Three years after Nike went public (1983), the executives surprised her with a party, where she was given an undisclosed amount of shares of Nike stock. Reports suggest they are worth close to \$1 Million.

"Develop an environment where innovation and creativity can be used to build skills and knowledge for further education and employment."

Computing

Curriculum Leader: Mrs Smith

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Databases	Programming	Python Programming Project	Spreadsheets
Difference between flat files/	Decomposition of problems	Decomposition/ Planning	Formatting cells/ Worksheets
relational databases.	Identifying errors (Debugging)	Design (flowchart/ pseudocode)	Use of formulas/
Set up of fields in a database (datatype, etc)	Flowcharting/ Pseudocode	Abstraction	cell referencing
Entering data Interrogating a database	Recap of basic programming	Programming a solution	Conditional formatting
(Queries) Reports	Selection Iteration	Testing	Graphs/ Charts
Switchboard (Menu Screen) Intro to SQL	List/ Arrays Text files	Evaluation	Macros

Key spellings to know:

Program	Language	Cryptography	Turtle	Security
Python	Flowchart	Output	Process	Software
Hardware	Component	Abstraction	Python	Iteration
Algorithm	Sequence	Selection	Condition	Variable
Processor	Accelerometer	Query	Array	Decomposition

For additional help:

Try visiting <u>Python</u> or <u>Bitesize</u>.

The first electronic computer ENIAC weighed more than 27 tons and took up 1800 square feet.

"Ensure students are computer literate and find solutions to problems which may not exist yet."

Did You Know



Design Technology

Curriculum Leader: Mrs Kinsella

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
ldentify, Investigate and Outline Design Possibilities			
Design Context		Developing design ideas	
	Generating design ideas		Realising design ideas
Problems and Solutions		Modelling	
	Mood Boards		CAD/CAM
Product Analysis		CAD	
	Innovation in Design		Hand Tools
Primary and Secondary Research		Sustainability	
	Iterative Processes		Manufacturing Processes
Immersive Research		Material Research	
	Design Idea Generation		Prototypes
Target Market/Client		Component Research	
	Communication Techniques		Analysis and Evaluation
Design Brief		Manufacturing Specification	
Design Specification			

Key spellings to know:

For addition	al help:		You C Know
Process	Prototype	Quality	Specification Did
Manufacture	Material	Modification	Organise
Function	Graphic	Idea	Industrial
Develop(ment)	Dimensions	Ergonomics	Evaluate
Continuous	Criteria	Customer	Decision
Brief	Client	Colour	Construction
Aesthetics	Analysis	Analyse	Anthropometrics

For additional help:

Try visiting Technology Student or BBC Bitesize.

The Nike Swoosh was designed by Carolyn Davidson in 1971, whilst she was a student at Portland State University. She was paid £35.

"Students use their creativity and imagination to design and make prototypes that solve real and relevant problems."

Assurance Consumer Design

Evaluation Isometric Orthographic Suitable

Drama

Curriculum Leader: Mrs Karim

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Arts Award - Bronze	Arts Award - Bronze	Arts Award - Bronze Reviewing an Arts Event	Arts Award - Bronze Active participation in an Art Form
Researching the career and work of an artist or craftsperson	Passing on an arts skill Students will work on a short	Students to complete a review of an arts event of their choice –	Students will work towards an end of term showcase where all
Students to create a research presentation about an artist or craftsperson who inspires them.	workshop in an area of their expertise and lead the workshop to either the rest of their class or a younger year group.	opportunities to experience an arts event will be provided and we will work on evaluative writing skills in lesson time.	students will contribute something (we will work on short script extracts in lessons but if we have a strong dancer/artist/vocalist/instrument alist they could also use this.

Key spellings to know:

Tension	Plot	Character	Development	Characterisation
Atmosphere	Devising	Audience	Role on the wall	Proxemics
Stimulus	Climax	Evaluation	Narration	Role Play
Improvisation	Spontaneous	Soundscape	Dynamics	Tempo
Structure	Melody	Instrumentation	Rȟythm	Harmony
Elements	Fortissimo	Forte	Piano	Pianissimo
Presto	Moderato	Grave		

For additional help:

Try getting involved in Extra-Curricular opportunities. The word "Theatre" comes from the Greek word "theatron", which means "seeing place".



"Develop an understanding and appreciation of live performance; inspire and nurture the imagination and support students in the development of skills that will support them throughout life."



Hospitality and Catering (Food)

Curriculum Leader: Mrs Kinsella

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Food Safety			Food Science
Why is it important to follow health and safety rules within a food environment? How can a mixture of equipment be used within the food room to avoid cross contamination and create a high skill dish? Why is it important to follow food safety rules and regulations? Why is it important to store food correctly?	Nutrients What are macronutrients? What is dietary fibre? What is energy? How do dietary needs differ throughout life?	Food Choice What are the factors that affect food choice? What are protein and dairy alternatives? What are allergies and intolerances? What are religious and cultural food choices? What are food labelling requirements?	How can menus be adapted to meet dietary needs? What are functional and chemical properties of ingredients? What is coagulation and shortening? What is the science between bread making? What is dextrinization and caramelisation?
What is the eat well guide?			What are raising agents?

Key spellings to know:

Additives Component Macronutrients Aesthetics Coagulation Ambient Temperature Cross Contamination

Antibacterial Quality Control Bacteria Sensory Descriptors

For additional help:

Speak to a member of the DT Department

Eating 2 Kiwis an hour before bed can help you fall asleep quicker.



"To equip students with the knowledge, understanding and skills required to cook and apply the principles of food science, nutrition and healthy eating with a key focus on industry."

Music

Curriculum Leader: Mrs Karim

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Film Music	Cover Versions and Remixes	Song writing	Introduction to Music from
Can music enhance the experience of watching a film? Students will create their own film scores based on three stimuli. Students will listen to film music and critically analyse the effect.	How do you completely change the genre of a song using the musical elements? Student will arrange and perform multiple songs in genres completely different from their original setting.	What makes an outstanding solo performance? Students will work to create a composition performance based on the OCR specification.	Around the World How do other cultures and communities around the world celebrate and interact with Music. What are the similarities and differences between cultures.

Key spellings to know:

ney spennings to know.				
Tension	Plot	Character	Development	Characterisation
Atmosphere	Devising	Audience	Role on the wall	Proxemics
Stimulus	Climax	Evaluation	Narration	Role Play
Improvisation	Spontaneous	Soundscape	Dynamics	Tempo
Structure	Melody	Instrumentation	Rhythm	Harmony
Elements	Fortissimo	Forte	Piano	Pianissimo
Presto	Moderato	Grave		

For additional help:

Try getting involved in Extra-Curricular opportunities. The word "Theatre" comes from the Greek word "theatron", which means "seeing place".



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Psychology

Curriculum Leader: Miss Benning

What do you learn?

Cycle 1	Cycle 2	Cycle 3	Cycle 4
Introduction to research methods: Formulation of testable hypotheses; Types of variable; Experimental methods; Types of research method.	Designing research: Quantitative and qualitative methods; experimental designs; self-report methods; case studies and strengths and weaknesses of each research method and types of research for which they are suitable.	Research procedures: The use of standardised procedures, instructions to participants, randomisation, allocation to conditions, counterbalancing and extraneous variables (including explaining the effect of extraneous variables and how to control for them).	Planning and conducting research: How research should be planned, taking into consideration the reliability and/or validity of: sampling methods, experimental designs, quantitative and qualitative methods.

Key spellings to know:

Hypothesis Independent Variable Dependent Variable Extraneous Variable Qualitative Data Quantitative Data Ecological Validity Mundane Realism Social Desirability Demand Characteristics Correlation Normal Distribution Observation Standardisation Stratified Sampling Systematic Sampling

For additional help:

Visit the AQA Psychology Website

Research has found that good relationships are more important to a long life than exercise.



To cultivate understanding of human behaviour through development of critical, analytical and research based skills.