

Art and Photography

The Art and Photography department offers Art and Design at KS3 in mixed ability groups. Students are encouraged to experiment with a range of media and are taught key skills in drawing, painting, sculpture and critical analysis, and cover various great art movements on their journey.

Art and Design is offered at GCSE, and in the 6th form, both Art and Photography are offered as A-Level courses. Photography is not taught as a separate subject until A-Level but is included in many of our schemes of work until that point in a variety of ways. After A-Levels, many students go onto Art College to study a range of visual courses at Foundation and Degree level, from Architecture, to Animation, Fine Art to Fashion and Photography.

Staff

Mr Bishop - Head of Art and Photography
Mrs Earl
Miss Noble
Mrs Lea
Mrs Baskett
Mrs McAleer
Mrs Ward - Support Technician
Ms Jenkins - Support Technician



Key Stage 3

Year 7 Topics

Natural Forms – Students embark on projects to develop their understanding of the formal elements, looking at different approaches to still life, botanical illustration and art and design movements.

Artist links: William Morris, Georgia O’Keeffe and Andy Goldsworthy

Outcomes: Drawing (still life) and printing (repeat patterns in response to William Morris), painting (close up observation of flowers inspired by O’Keeffe) and Photography and sculpture (in the natural environment).

Year 8 Topics

Landscape – Students build on their drawing, painting and making ability initiated in the Year 7 Natural Forms project, and move on from objects to scenes. Students learn about various movements and developments which have tackled The Landscape in Art, and the related technical skills to apply this knowledge

Artist links: Barnaby Barford, Claude Monet and impressionism, George Shaw, The Renaissance and Perspective, technical drawing and painting skills, Futurism.

Outcomes: Clay and mixed media sculpture, paintings, plein air drawings.

Year 9 Topics

Surrealism - using and building on the skills and understanding from previous topics in Year 7 and 8, students combine still life and landscape to surreal effect. Students explore the different

motivations of different artwork related to the theme and explore the surrealism movement in depth.

Artist links: Surrealism, Salvador Dali, Rene Magritte, Hannah Hoch, Dorothea Tanning, Giorgio de Chirico

Outcomes: Mixed media, painted and drawn 2D outcomes.

Juxtapose - Students explore *meaning making and visual language* through collage, and apply this to designs for wearable protest art or plans for site-specific installations.

Artist links: Hannah Hoch, Vivien Westwood, Banksy.

Identity - Building more independence, students plan and create a self portrait communicating their unique personality and values, choosing their own movement or artist to inspire their outcome. This project is an opportunity for students to explore the meaning making and expressive power of Art, and apply all of their learning so far at Key Stage 3.

Artist Links: Kehinde Wiley, Rembrandt, Lucien Freud, Chuck Close, Frida Kahlo, Nettie Wakefield, Yinka Shonibare, Leonardo Da Vinci.

Outcomes: Portraits, photography, mixed media and painted self portraits.

Computer Science

The Computer Science department are extremely supportive to all students following Computer Science courses. We have an excellent record of examination results and are extremely keen to keep up-to-date with new developments in technology. We enjoy excellent facilities and in particular our class set of Raspberry Pi's, which are used to build basic computer rooms. Students are taught in dedicated ICT suites with one PC per child and a range of software including industry standard programs. Over the years we have worked extremely hard to promote Computer Science as a subject that should be embraced and enjoyed by more female students, especially as there are so many opportunities available in the industry.

Staff

Mr Johnson - Head of Computer Science

Mr Khan

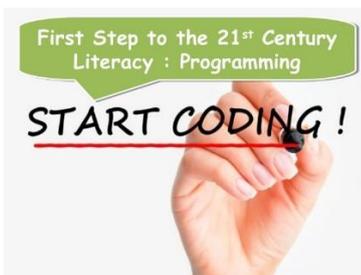
Key Stage 3

Year 7 Topics

Students study a variety of both ICT and Computer Science skills including: An introduction to software and hardware components; an e-safety project using a simple system life cycle model; spreadsheet modelling with a focus on encryption; and an introduction to simple programming skills using at least two different programming environments; Students also get to explore some of the History of Computer Systems and how much they have changed in such a brief time.



Year 8 Topics



Students study a variety of Computer Science skills including an introduction to more advanced programming features, using the Python programming language. They explore Computer Fundamentals and gain a better understanding of computers and associated Internet technologies. They learn about computer crime and cyber security. Students learn how to use problem solving techniques to deal with different scenarios.

Year 9 Topics

Students study some of the key theories in Computer Science. In the first strand they investigate Computer Systems, which gives them insight into how the computer and its components really work. They learn more about security concerns, ethics and the laws surrounding the use and development of computer systems. The second strand is about computational thinking. In this strand they focus more on developing their problem solving and programming skills.



Design and Technology

Design and Technology is a highly practical subject which develops a student's ability to work independently and creatively in a variety of materials. The subject is taught through a series of projects with a core of theoretical knowledge and understanding to support the designing and making process. Students design considering the needs of the target market and consider social, moral and ethical values.

Lessons are taught through a rotation of textiles, product design, electronics, graphics and systems and control. CAD/CAM facilities are excellent and the department has 5 specialist material rooms including an ICT suite.

Staff

Mrs Kempster - Head of Design and Technology

Mr Jones

Mrs McAleer

Mrs Tang

Miss Earle

Mrs Kay

Ms Lea

Mr Fielder - Support Technician and in class support

Key Stage 3

Year 7 Students learn skills in textiles through a batik project, product design through a picture frame unit and graphics by developing a pop-up book. In systems and control students make an electronic badge and simple circuits.

Year 8 Students build on their designing and making skills through a mechanical toy project, and a textiles 3D make. They develop enamel jewellery in product design and package their design in graphics using CAD CAM. In Year 8 students work more independently, selecting techniques and processes learned in Year 7.

Year 9 Students' skills are increasingly challenged through complex design and make projects with the tote bag project and the CAD CAM product design clock project. Students are expected to use modern and developing technologies in Year 9. The projects in Year 9 are designed to provide a foundation for GCSE study.



Drama and Theatre Studies

The Drama department and its students are a lively, friendly and supportive community of performers, designers and technicians. The ethos of the department is to provide an enjoyable, challenging and creative environment where students learn to develop confidence, gain an awareness of the world around them, and can perform and share their work with others.

Staff

Ms Loughran - Head of Drama

Mrs Anderson - Deputy Headteacher

Mrs Bannister

Mrs Seall – Head of Year 7

We are fortunate enough to have two dedicated Drama studios and a proscenium arch stage with dressing rooms, fully equipped with lighting and sound facilities. This provides students with the unique experience of working in versatile spaces with regular opportunities to perform. The department staff are highly experienced and have worked in arts industries as well as education.

Department Aims

We strive to constantly develop students' creative and evaluative skills in Drama. Teamwork is an essential element of effective learning and students are encouraged to develop empathy by engaging with complicated real life issues. All students are supported to share their ideas, listen carefully to each other and perform their work to an audience. We aim to expose our students to a wide variety of theatre styles, techniques and live performances in a range of settings.

Key Stage 3 Drama:

	Year 7	Year 8	Year 9
Autumn 1 7 weeks	Murder Mystery (Skills)	Wreck of The Mignonette (Naturalism/Skills)	Monologues (Skills)
Autumn 2 7 weeks	The Grinch Or Spears Sports (Skills/Issue)	Joe (Skills/Issue)	Non-Naturalism (Skills/Issue)
Spring 1 6 weeks	Greek Theatre (World Theatre/Theatre History)	Melodrama (Theatre History)	Musicals <i>Hairspray</i> (Theatre History/Style)
Spring 2 6 weeks	<i>The Perfectly Timed Death of an Imaginary Friend</i> Kieran Lynn (Script - Transition)	Roald Dahl (Script)	<i>Face</i> Benjamin Zephaniah (Script - Disability)
Summer 1 6 weeks	Summer Exam (Devising)	Summer Exam (Devising)	Summer Exam (Devising)
Summer 2 6 weeks	A Midsummer Nights Dream (Shakespeare)	The Comedy of Errors (Shakespeare)	The Merchant of Venice (Shakespeare)

English

Our English curriculum is rich, varied and challenging. Students read texts from a range of historical periods and cultural contexts across the genres of drama, poetry and prose. Students learn to develop their writing skills to inform, explain, describe, argue and persuade in lively and imaginative contexts which inspire as well as equip them for life beyond the classroom. Our programmes of study offer opportunities to explore and enhance speaking and listening skills through role-play, discussion and presentation. We enliven students' experience of English by offering a variety of extra-curricular clubs, visits and Library events throughout the year.

Staff

Ms Heaney - Head of English

Ms Smythe - 2nd in English

Ms Petersen - Head of A-Level English Language

Mrs Haslam - Public Speaking/G&T Co-ordinator

Ms Bell - Key Stage 4 Co-ordinator

Ms Gowing - Library Liaison

Miss Buckingham

Mrs Burke

Mr St Omer

Mr Polak

Mrs Akil

Mrs Mitchell

Key Stage 3

Year 7 Topics Autobiography

A Christmas Carol

Poetry

Modern Novel

Other Worlds Writing

The Tempest

Stretch & Challenge Literacy



Year 8 Topics Modern Novel

Gothic Writing

Sherlock Holmes

Travel Writing

Twelfth Night

Stretch & Challenge Literacy



Year 9 Topics World War One Poetry

Romeo and Juliet

Non-Fiction

Modern Novel

Fiction & Opinion Writing

Speeches & Oracy



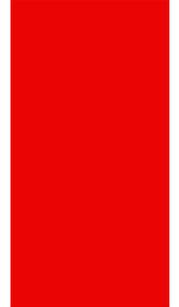
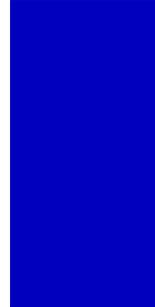
French

Currently, all teaching in Year 7 and Year 8 takes place in mixed ability groups. However, in Year 9 students are placed into sets according to their achievement at the end of the previous year. In Year 9 sets are reviewed on a termly basis.

Staff

Mr Parsons - Head of French

Mrs Hahn - KS3 French Co-ordinator

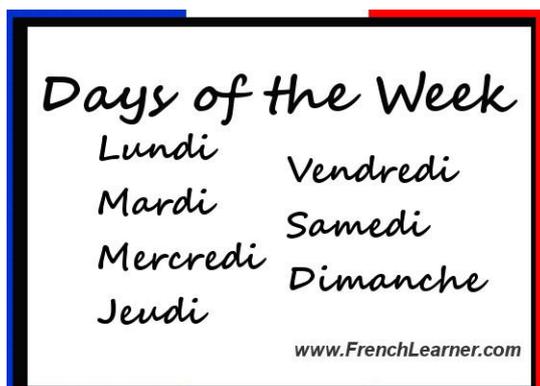
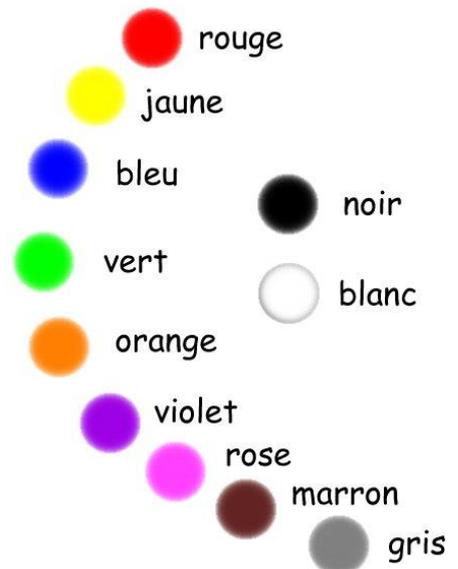


Key Stage 3

Year 7 Topics Introducing yourself
School equipment
Family members and pets
Personal descriptions
School: subjects, opinions and reasons, timetable

Year 8 Topics Where you live: area and house
Describe your bedroom and where things are
Morning and Evening routine
Places in town
Directions
Ordering food and drinks
Sports and games
Musical instruments
Leisure and holiday activities

Year 9 Topics Talking about your family
Occupations and places of work
Describing weather
Introduction to the perfect tense
Last week-end activities
TV programmes
Last holiday and next holiday
Pocket money, presents and gadgets
Shopping for clothes



Geography

"Geography is the subject which holds the key to our future." (Michael Palin, 2011)

Geography is the study of Earth's landscapes, people, places and environments. We encourage students to use their geographical knowledge to develop an understanding of contemporary challenges facing our planet, in turn helping them to develop a growing awareness of their own local communities in a global setting. Our curriculum in Geography is built around enquiry-based learning. It is focused on 7 key concepts including sustainability, interconnection, place and scale. We believe fieldwork is a vital element to the study of Geography and so include this where possible. The Key Stage 3 curriculum develops from a more local and national scale in Year 7 to a more global outlook in Year 8. In Year 9 students develop their synoptic skills, developing more of an ability to think geographically. Students are taught in mixed ability sets and assessed through activities including decision-making activities, projects, and tests.

Staff

Mrs Kincaid - Head of Geography
Mrs Barclay
Ms Chan
Miss Giacomazzi
Mrs Wilson



Key Stage 3

Year 7 Topics What is a Geographer?
What shapes our kingdom?
Map Skills
How does weather and climate affect us?
Can we use resources sustainably?
What happens when land meets the sea?
Trip to Rochester - investigating impacts of tourism

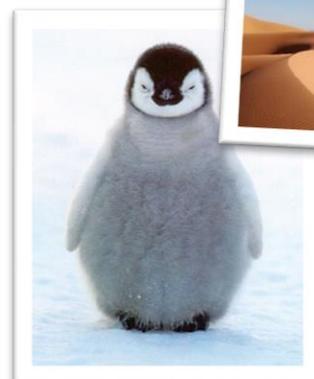


Year 8 Topics Are we lost without Geography?
Why are rivers important?
Battle for the Biosphere
Diverse Africa
Emerging powers
Introducing the Cryosphere
Trip to a local river



Year 9 Topics

Managing physical landscapes
Can we live in tectonic places safely?
Globalisation: connecting our world
Centre of the world – the Middle East
Oceans on edge
Global issues and Factfulness



German

Currently, all teaching in Year 7 and Year 8 takes place in mixed ability groups. However, in Year 9 students are placed into sets according to their achievement at the end of the previous year. In Year 9 sets are reviewed on a termly basis.

Staff

Mrs Patel - Head of German

Key Stage 3

Year 7 Topics Introducing yourself, saying where you live
Alphabet
Birthdays
Numbers to 60
School equipment
Family members and pets
Personal descriptions
School: subjects, opinions and reasons, timetable

a	ah	n	en
b	beh	o	oh
c	tseh	p	peh
d	deh	q	koo
e	eh	r	err
f	eff	s	ess
g	geh	t	teh
h	hah	u	ooh
i	ih	v	fow
j	yawt	w	veh
k	kah	x	iks
l	ell	y	üpsilon
m	em	z	tset

Year 8 Topics Sport
Hobbies
Favourite things
Writing a letter to a penfriend arranging to go out
Future Tense
Holidays
Describing your house

Year 9 Topics TV programmes
Hobbies
Describing a day out
Food
Café
Shops
Future Tense
Talking about family and relationships
Clothes
Party language
Excuses
Health



History

Our curriculum in History strives to build students' knowledge and understanding of the past to help them make sense of the world around them. Students study a diverse array of subjects from both Britain and the wider world through a series of key enquiry questions. These enquiry questions help students to create well-structured, well evidenced arguments and allow them to engage with historical concepts such as cause and consequence, change and continuity, significance or similarity and difference. Students also explore source material and interpretations of the past. KS3 History is also used to establish skills and concepts students will need to access the GCSE and A level courses, whilst also helping our students to become independent learners who take pleasure in learning History. Students are taught in mixed ability classes throughout KS3.

Staff

Miss Brown – Head of History
Miss Levey – Head of Sixth Form

Miss Goddard
Mrs Tagg
Miss Borhani-Langroudi



Key Stage 3

Year 7 Enquiry Question examples:

Did the Normans bring 'a truckload of trouble' to England?
Why did religion matter so much to people in the Middle Ages?
Were medieval people very different to us?
What can Mansa Musa reveal about the Malian Empire?

Year 8 Enquiry Question examples:

How winding was the road to Protestantism in Tudor England?
Why did the Civil War break out in 1642 and not before?
When did London become multicultural?
How should we remember the abolition of the slave trade?
What has the British Empire stood for since 1900?



Year 9 Enquiry Question examples:

How did a murder lead to war in 1914?
How much can Reg Wilkes tell us about the Great War?
How could the Holocaust have happened?
Why do we remember the American Civil Rights movement more than the British?

Home Economics

Home Economics and Catering Department is part of the Applied Learning faculty. There are two well-resourced catering-style kitchens/classrooms, staffed by highly trained Food/Catering teachers.

Staff

Mrs Shapcott - Head of Hospitality and Catering

Mrs Kay - Teacher

Mrs Pugsley - Support Technician



Key Stage 3

Pupils are taught on a rotational system with the other Design and Technology subjects. They have approximately 12, 1 hour 40-minute lessons each year, most of a practical nature. Groups are mixed in ability.

Year 7 Topics

Pupils gain a lot of experience working with a wide range of ingredients and developing new skills. They learn knife skills and how to work safely and hygienically in a commercial-style kitchen. Theory work is investigating what is a balanced diet, researching nutrients in food products and developing a knowledge of sensory analysis. They design and plan their own salad, reinforcing healthy eating and nutrition. They develop a range of practical skills preparing predominately savoury dishes, enabling pupils to use different cooking methods and techniques, for example, kneading, rubbing in mixtures and baking to prepare pizza, scones & fruit crumble. Knife skills to prepare vegetables and fruit for many dishes, and using the hob independently to boil, fry and simmer ingredients for macaroni cheese and bolognese sauce.

Year 8 Topics

The focus in Year 8 is to develop and improve skills taught in Year 7. Pupils will develop the creative, technical and practical expertise needed to perform everyday tasks confidently. They will be able to recall and apply the principles of The Eatwell Guide and the 8 tips for healthy eating through practical and written work. They gain experience in preparing predominately savoury products, exploring ingredients from around the world, building on knife skills and improving confidence in preparing dishes using the hob. They are given regular opportunities to demonstrate and apply their knowledge and understanding of food science through bread making, and pastry making methods. They widen their vocabulary by tasting fruits from around the world and evaluate their own dishes. Theory work is based around ethical and moral issues on food miles and food waste.

Year 9 Topics

Pupils continue to build and develop practical skills, building on confidence. Pupils investigate nutrition in detail, build and apply previous knowledge by planning and preparing their own meals to support patients' symptoms lacking in certain nutrients. They investigate the uses of convenience foods in modern lifestyles, exploring food labels and government guidelines for healthy eating. Pupils explain the factors that affect food and drink choices. They develop more complex practical skills in preparing main course dishes, such as shepherd's pie and quiche. They also continue to gain confidence and improve skills in cake making and pastry making. They start to build on skills needed for GCSE, looking at Nutrition in greater detail, the science behind food preparation and gain skills in writing evaluations and using star graphs to analyse their food products. Building on sensory vocabulary when food tasting.



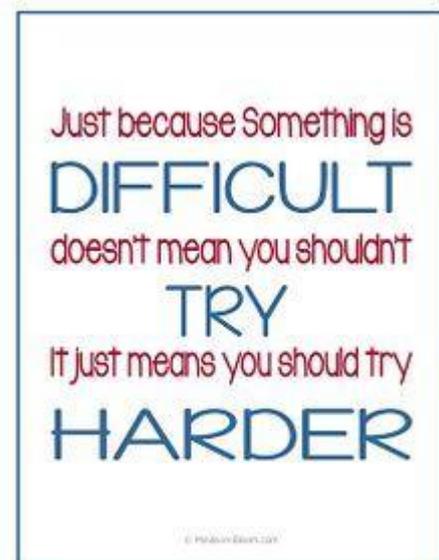
Mathematics

Mathematics is compulsory for all students from Year 7 through to Year 11. The department does not operate a standard setting policy, but puts students into banded mixed-attainment groups. In Year 7 this is primarily based on CATs and SATs results, as well as a baseline test performed early in September. However, there is flexibility and movement between the bands throughout all years where appropriate to account for the varying rates of students' progress, and this is also reflected in our Schemes of Work. We believe that removing the traditional hierarchical setting of Mathematics will allow students to form a more positive relationship with the subject. All students are entered for GCSE Mathematics at the end of Year 11 and students are set aspirational target grades to achieve. The most-able students are also entered for the Further Mathematics GCSE in Year 11. In Key Stage 5 the department offers both Mathematics and Further Mathematics, and uptake of these is strong. We also offer Core Maths to support those students studying subjects such as Psychology, Geography and Business Studies.

Staff

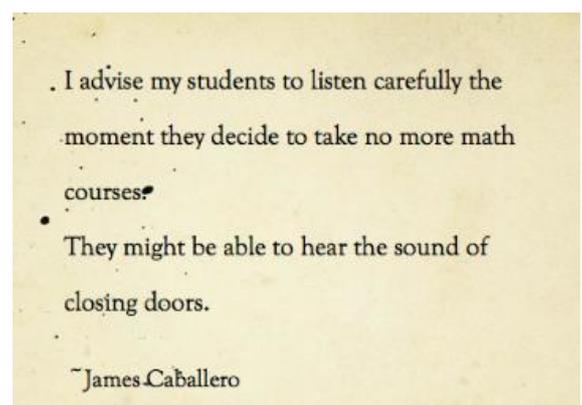
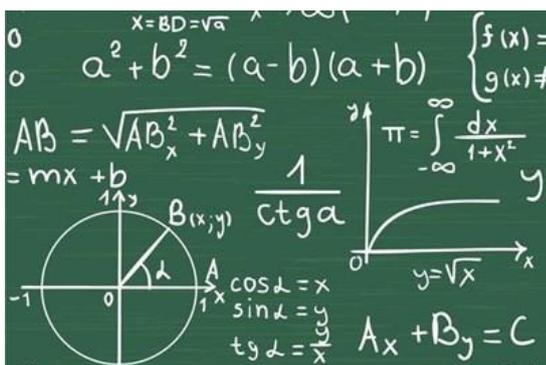
Miss Meason - Head of Mathematics
Ms Lee - 2nd in Mathematics and KS4 Co-ordinator
Miss Goddard - KS5 Co-ordinator
Miss Curling - KS3 Co-ordinator
Mr Ayo-Adepoju - House System Co-ordinator
Mrs Paton
Mrs Woodhams
Mrs Amfo
Mr Ngyuen
Mr Young

Ms Connaway
Miss Sudds
Ms Venkataraman
Mrs Andrews



At Bullers Wood, students follow a 5-year curriculum through Mathematics. Students will study a variety of topics such as number, algebra, graphs, ratio, geometry and statistics. In KS3, particular emphasis is placed on algebra, developing problem solving skills, mental arithmetic and calculator techniques, and accurate use of correct mathematical language and notation; essentially developing and securing the fundamental building blocks for success at GCSE. The students are both challenged and supported throughout. The pupils are assessed on a regular basis to monitor their progress. If a student is struggling, additional support in class can be put in place to help.

At GCSE we follow the Edexcel course, with the majority of students being entered at the higher tier.



Music

Staff

Mr Parsons – Head of Music
 Ms Bowman
 Mrs Seall
 Mrs van Teutem
 Mrs Andrews

Bullers Wood has a vibrant Music department where students study Music for one period a week in Years 7 to 9. They can then opt to study the subject at GCSE or A-Level if they wish.

	YEAR 7	YEAR 8	YEAR 9
Autumn 1	Rhythm <i>Just groove your classroom</i> <i>Chair drumming</i> <i>Stomp (group performance)</i>	Instrumental & Ensemble skills <i>'Human' – Rag 'n' Bone Man</i> <i>(Whole class performance)</i>	Battle of the bands <i>'Skin' - Rag 'n' Bone Man</i> <i>(Group performance)</i>
Autumn 2	Pitch <i>Christmas songs for the Christmas Concert</i> <i>'Find your voice'</i>	Guitars <i>Guitars</i> <i>(whole class instrumental teaching)</i>	Playing by ear <i>Fur Elise</i> <i>Variations</i>
Spring 1	Melody <i>Doods (whole class instrumental teaching)</i>	Blues <i>Just Play – Blues medley</i> <i>(Whole class performance)</i>	Reggae <i>(Whole class performance)</i>
Spring 2	Chords (keyboard) <i>Just Play (Pt1)</i>	Blues <i>Song writing</i> <i>(Group arrangement)</i>	Reggae <i>Song writing/Arrangement</i> <i>(Group arrangement)</i>
Summer 1	Instrumental skills <i>Keyboard, Ukuleles</i> <i>Just Play (Pt2)</i>	Brass <i>Trumpet and Trombone</i> <i>(whole class instrumental teaching)</i>	Song writing <i>Whole class workshopping</i>
Summer 2	Ensemble & Arrangement <i>'NTM' group performance</i>	Loop composition <i>Group composition</i>	Song writing cont. <i>Group compositions</i>

Extra-curricular

We have an enthusiastic, dedicated and skilled staff of peripatetic instrumental tutors who attend the school weekly, should your daughter wish to take lessons on an instrument, either continuing from primary or a complete beginner. There are also multiple opportunities to take part in extracurricular activities. Please watch [this video](#) for this year's information on instrumental lessons and extra-curricular.

Monday	Tuesday	Wednesday	Thursday
Rock Band	Concert Orchestra	School production	Minor Details (Whole school choir)

All of Year 7 take part in our annual Christmas Concert to help the new students integrate in the wider school community. We also host two main school concerts a year to showcase the many talents of the individual students. Biennially we take our ensembles on tour. Destinations have included Italy, Belgium and Holland.

Virtual/live showcases



For all the latest from the music department please follow us on social media!

TWITTER



@bullermusic

INSTAGRAM



@bullerswoodmusic

YOUTUBE



Mr Parsons

PE

Physical Education makes a valuable contribution to the education of every student at Bullers Wood School. We offer a varied and personalised curriculum which enables each individual pupil to develop physical qualities as well as social, communication skills, self-confidence and teamwork. The department promotes a sport for all, whole school team ethos through inter form competitions, sports day and our annual sports awards evening. Extra-curricular activity is a priority, with extremely high numbers attending our sports clubs, and the department has strong links with the community through our extensive Sports Leadership award programme. We hope to encourage students to take the right path in leading a healthy and active lifestyle.

Staff

Miss O'Hanlon – Head of PE

Miss Keen – 2nd in PE

Mrs Hemmings - Assistant Headteacher

Mrs Scott

Miss Venton

Mrs Meads

Ms Coop

Key Stage 3

Year 7

Students are taught PE in their tutor groups and will follow a rotation system covering a variety of activities throughout the academic year. The activities studied include: Football, Rugby, Netball, Multi-skills, Dance, Gymnastics, Athletics, Tennis, Rounders, Cricket, and Cross Country.

Year 8/9

Students are put in ability sets within PE and will follow a similar rotation system throughout Year 8. In Year 9, students will be given the opportunity to follow an introductory to GCSE pathway where they will cover some of the theoretical content. Further activities will also be introduced such as Trampolining, Badminton and Handball.

Students will be taught and encouraged to:

- Use a range of tactics and strategies to overcome opponents in direct competition through team and individual games
 - Netball/football/tag rugby/handball/badminton/basketball/volleyball
- Develop their technique and improve performance in competitive sports/activities
 - Athletics/gymnastics/dance/trampolining
- Perform in front of others and have confidence providing evaluative feedback
 - Dance/gymnastics/trampolining/sports leaders
- Work together as a team, overcome challenges and develop skills to solve problems. To show respect for one and other and the equipment
 - Through team activities
 - Outdoor adventurous activities e.g. orienteering
- Evaluate and analyse their performances, compare their performances to past ones and work to demonstrate improvements in order to achieve their personal best
 - Observation and analysis through peer feedback, video observations and self-assessment, teacher feedback

Religious Studies and Philosophy

Our curriculum is consonant with the Bromley Agreed Syllabus for Religious Education (2020). It aims to nourish a rigorous understanding of religion, to foster respect for difference, and to promote powers of independent thought. The school RE policy, approved by Governors in November 2018, is available in the Policies section of the school website.

Aims

- To develop learners' knowledge and understanding of religions and non-religious worldviews
- To help learners explore ultimate questions and contemporary issues
- To encourage learners to articulate and examine their own and others' beliefs about religion, ultimate questions, and contemporary issues
- To foster creative expression of theological, metaphysical, and existential matter
- To promote respect for and sensitivity towards difference

Staff

Mrs Carter (Head of Year)
Mrs Clark (Co-ordinator of Religious Studies)
Ms Clothier (BTEC Coordinator)
Mr Hardwick (Headteacher)
Mr Khan (Teacher)

Mr Polak (Teacher)
Mr Stone (Lead Practitioner)
Ms Terry (Head of Sociology)
Ms van Teutem (Assistant Headteacher)
Ms Wakenshaw (Teacher)

Key Stage 3

Year 7 Subject matter includes Buddhism, animal rights, Gandhi, God, and narratives. There is also a project in which learners have considerable autonomy to pursue an area of interest. There are end of unit examinations for four of the units, each lasting 30 minutes.

Year 8 Pupils study Judaism, Anne Frank (the Shoah), and creation. There are examinations at the end of the first two units, each lasting 30 minutes.

Year 9 Subject matter includes Sikhism, war, Martin Luther King, the problem of evil, and creative expression in religion. This is also a project, similar in structure to the Year 7 independent project. There are end of unit examinations for four of the units, each lasting 30 minutes.



Science

The Science Faculty comprises the three traditional departments of Biology, Chemistry and Physics and is housed in nine laboratories based in Sharman House, the old Science block and Sanderson.

Students are motivated to enjoy Science through the use of practical work and an approach that demonstrates both the excitement and relevance of scientific discovery. ICT is regularly used throughout the curriculum to facilitate teaching and learning. There will be an emphasis on developing mathematical and practical skills in preparation for the new GCSE curriculum.

Science subjects at A-Level are very successful with seven groups in both Years 12 and 13. We also offer the Level 3 Medical Science qualification in Sixth Form.

Staff

Ms Malhotra - Head of Science

Miss Shade – 2nd in Science & KS3 Co-ordinator

Mrs David – KS5 Chemistry Co-ordinator

Mrs Kent - Head of Biology

Mr Robinson - Medical Science Co-ordinator

Ms Wood - KS4 Co-ordinator

Dr Carlyle

Dr Short

Mrs Empey

Mrs Lenihan - STEM Co-ordinator

Mrs Lile - Deputy Headteacher

Ms Osborne - Assistant Headteacher

Miss Shade - KS3 Co-ordinator

Mrs Stevenson

Mr Morton

Mr Baxevanis

Mrs Aylward

Mrs Pott



Mrs Fairhurst - Senior Laboratory Technician (Chemistry)

Mr Wiseman - Laboratory Technician (Physics)

Mrs Davis - Laboratory Technician

Mrs Le Conte - Laboratory Technician

Ms Radkowska - Laboratory Technician (Biology)

In Year 7 and 8, students have two double lessons a week with either one or two teachers.

Year 7 topics



Cells and microscopes
The Particle model
Waves
Acids and alkalis
Atoms, elements and compounds
Health and Disease
Relationships in Ecosystems

The Skeleton
Light
Reproduction
Forces
Pure and Impure Substances
Ecology
Photosynthesis

Year 8 topics

Nutrition and Digestion
Earth and Atmosphere
Pure and Impure Substances
Pressure in fluids
Static electricity
Gas exchange systems
Energy transfers and changes

Current electricity
Space
Periodic Table
Materials
Forces and motion
Cellular respiration
Inheritance & DNA

In Year 9, students have two double lessons a week with either one or two teachers. Maths skills are taught at the beginning of the year to all classes and then they rotate through each subject across the three terms. An example rotation schedule is, term 1: Chemistry; term 2: Biology; term 3: Physics. The topic titles for each subject are listed below:

Year 9 topics

Biology:

Ecology:

- Communities
- Sampling
- Competition & Adaptations

Communicable diseases & the immune system

Developing drugs

Non-communicable disease

Chemistry:

Atomic Structure

The Periodic Table

Chemical Analysis

Chemistry of the Atmosphere

Using resources

Physics

Energy transfers & changes

Energy resources

Density

Changes of state

Spanish

Currently, all teaching in Year 7 and Year 8 takes place in mixed ability groups. However, in Year 9 students are placed into sets according to their achievement at the end of the previous year. In Year 9 sets are reviewed on a termly basis.

Staff

Mrs Santa Bárbara - Head of Spanish



Key Stage 3

Year 7 Topics Introducing yourself
School equipment
Family members and pets
Personal descriptions
Talking about school: subjects, opinions and description of Bullers Wood
Telling the time
Daily routine

Year 8 Topics Describing your house and your area
Places in town
Directions
The weather
Sports and free time
Helping at home
Planning free time activities
Immediate future tense



Year 9 Topics Usual holidays (present tense)
Describing your last summer holidays (past tense)
Food you like/don't like, healthy diet
Talking about what you are going to eat (future tense)
Shopping for food
Shopping for clothes
Arranging to go out
Talking about films
Describing an event in the past

