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.

Art and design is offered at GCSE and in the 6th form Art, Photography and Fashion are offered at A Level and BTEC. Many students go onto Art College to study a range of visual courses at Foundation and at degree level.

Staff
Mrs Gudge - Head of Art and Photography
Ms Bellis - Director of 6th Form
Mrs Blanks - BTEC Coordinator
Ms Doughty
Miss Noble
Mrs Purcell
Miss Russ
Miss Warriner
Mrs McCarthy - Support Technician
Mrs Ward - Support Technician

Key Stage 3
Year 7 Topic: Natural Forms
Artist links: William Morris, Georgia O’Keeffe and Aboriginal art
Outcomes: Drawing (repeat pattern William Morris), painting (close up observation of a flower O’Keeffe) and 3D piece (make digeridoo or boomerang)

Year 8 Topic: Surrealism
Artist links: Rene Magritte, Surrealist artist for 6th Form fashion show and Friedrich Hundertwasser
Outcomes: Painting (in response to Magritte), 3D accessory/clothing (to be modelled in Fashion Show) and Graphic drawing (in response to Hunderwasser)

Year 9 Topic: Great British Values
Artist links: Greyson Perry, Pop Art and Yinka Shonibare
Outcomes: Mixed media collage (in response to Perry), 3D accessory/clothing (to be modelled in Fashion Show Pop art) and Graphic drawing (in response to Shonibare)
Computing

The Computing department are extremely supportive to all students following Computing courses and students using the computer facilities for other subjects during the homework club. 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.

Staff
Mr Johnson - Head of Computing
Mrs Hatch - Assistant Headteacher
Mr Khan
Mrs Mash
Mr Smith

Key Stage 3
Year 7 Topics
Students study a variety of both ICT and Computer science skills including: Produce a multimedia presentation; advanced internet searching skills including e-safety; spreadsheet modelling; an introduction to databases; introduction to the internal computer components and external hardware. Introduction to simple programming skills using at least two different programming environments; as well as animation, graphics and design work.

Year 8 Topics
Students study a variety of both ICT and Computer science skills including: They developing their data handling skills and produce their own web site using HTML and basic JavaScript programming skills. They also complete an integrated project to develop a whole system, (which includes the use of data logging and spreadsheets) based on raising money for a charity. They will learn how to use problem solving techniques to deal with different scenarios and use more advanced programming features to build simple games.

Year 9 Topics
GCSE ICT
Students studying this qualification will select and use appropriate ICT tools and techniques to help them carry out investigations; capture and handle data; solve problems; make decisions; present and communicate information. They will increase their awareness of the benefits and drawbacks of ICT and its impact on the way people live their lives and the skills needed for the world of work.
Drama

The department is very successful and has a large uptake at both GCSE and A Level. We offer a range of opportunities to students outside the classroom and run a number of theatre trips throughout the year.

**Staff**
Mrs Seall - Head of Drama
Mrs Bannister
Mr Haddon

**Key Stage 3**

**Year 7 Topics**
- Circus - Key Skills
- Greek Theatre - Multicultural
- Skellig - Script
- Peer Pressure - Topic/PSHCE
- Stimuli - Summer Exam
- A Midsummer Night’s Dream - Shakespeare

**Year 8 Topics**
(combined with Music)
- Sweeney Todd (Melodrama) - Key Skills
- Wayang Kulit (Puppetry) - Multicultural
- Twelfth Night - Text study/ Shakespeare

**Year 9 Topics**
- Fairytales - Devising and performance skills
- Blood Brothers - Text study and scripted performance
- Animal Rights - Topic/PSHCE
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 and ethical values.

Lessons are taught through a rotation of textiles, resistant materials, 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
Ms Bellis
Mrs Purcell
Miss Russ
Miss Wainwright

Mr Fielder - Support Technician

Key Stage 3

Year 7
Students learn skills in textiles through a batik project, resistant materials 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 resistant materials and package their design in graphics using CAD CAM.

Year 9
Student’s skills are increasingly challenged through complex design and make projects with the tote bag project and the CAD CAM resistant materials clock project. Students are expected to use modern and developing technologies in Year 9.
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. Students can expect to explore and enhance their speaking and listening skills through role-play, discussion and presentation. English Literature and English Language are popular subjects which a large number of students choose to pursue at A Level.

Staff
Ms Heaney - Head of English
Ms Smythe - Second in English
Ms Petersen - Head of English Language A Level
Mrs Akil
Ms Bell
Mr Benson
Mrs Burke
Ms Gouldthorpe - Deputy Headteacher

Ms Gowing - Library Liaison
Mrs Haslam - G & T Co-Ordinator
Mrs Lock
Ms Miller
Mrs Mitchell - Head of Year 12
Mr Polak

Key Stage 3
Year 7 Topics
Autobiography
A Christmas Carol
Writing Non-Fiction: Lord Lucan/Travel Writing
Poetry
Modern Novel
Play

Year 8 Topics
Modern Novel
Gothic Writing
Writing Non-Fiction: Titanic
Sherlock Holmes
A Midsummer Night’s Dream

Year 9 Topics
Modern Novel
Poetry: Diverse Cultures & WW1
Romeo & Juliet
Sonnets
Non-Fiction Writing: Teenage Texts
Writing to Persuade or Argue: Speeches
French

All the teaching in the first weeks of Year 7 takes place in mixed ability groups to allow students to settle into their new school. However, by the end of the first term a group 1 is created and the rest are kept as mixed ability.

From year 8 onwards, they are taught in sets based on their achievement at the end of Year 7. Sets are reviewed on a termly basis.

Staff
Mr Parsons - Head of French
Ms Conget - Key Stage 3 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
- Daily routine

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

Year 9 Topics
- Talking about your family
- Occupations and places of work
- Describing weather
- Last weekend activities
- TV programmes
- Last holiday and next holiday
- Pocket money, presents and gadgets
- Shopping for clothes
Geography

Geography is the study of Earth’s landscapes, peoples, places and environments. It is, quite simply, about the world in which we live. The subject is taught through investigating a variety of human and physical topics. Fieldwork is a big part of Geography and we try to include as much in the curriculum as possible.

Staff
Miss Kincaid - Key Stage 3 and 4 Geography
Mr Weeks - Key Stage 5 Geography
Miss Giacopazzi
Mrs Wilson

Key Stage 3
Year 7 Topics  What is Geography?
The UK
Map Skills
Weather and Climate
Sustainability
India
Paradise Lost – Thailand

Year 8 Topics  World Maps
Tourism
Rivers & Flooding
Coasts
Antarctica
Africa

Year 9 Topics  Earthquakes and Volcanoes
Globalisation
Brazil and Tropical Rainforests
Impossible Places
History

Teaching during Years 7-9 mixes project work, to encourage independent learning, with direct teacher instruction. The purpose of KS3 history is to establish the basic skills required to access the GCSE and A Level courses while also equipping all students with an overview of British History from 1066 to the 20th Century. The GCSE and A Level courses are focused on political history, and require a high level of literacy and motivation on the part of the students. There is no setting by ability in history in any Year group.

Staff
Mr Critchley - Head of History
Ms Beckett
Mr Greene - Headteacher
Mrs Housden
Ms Levey
Ms Wiffen

Key Stage 3
Year 7 Topics 1066 - Tudors, including:
Norman Conquest
Medieval Society
Changes to the Church
Peasants’ Revolt
Magna Carta
Crusades

Year 8 Topics Tudors - Industrial Revolution, including:
Tudor Monarchs
Break With Catholic Church
Spanish Armada
Gunpowder Plot
Great Fire and Plague
Civil War
Making of the UK
Slavery
Empire
Industrialisation

Year 9 Topics 20th Century, including:
WW1
Rise of Dictators
Different Political Ideologies
League of Nations
WWII
Home Front
Hospitality

Catering and Hospitality Department is part of the Applied Learning faculty. There are two well-resourced catering-style kitchens/classrooms, staffed by highly trained Food/Catering teachers. There is also provision for a training restaurant that allows students to work in a professional environment, giving them invaluable work experience.

Staff
Mrs Shapcott - Head of Hospitality
Mrs Hemmings - Head of Year 7
Mrs Kay
Mrs Pugsley – Support Technician and HLTA

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 dairy products, researching nutrition and uses of dairy products in cooking, as well as designing and planning their own dessert for future sale in a supermarket. A range of practical skills are taught enabling pupils to bake scones, Fruit crumble, prepare a healthy salad, preparing a meat based sauce and a cheese sauce. They design and make their own pizza.

Year 8 Topics
The focus in year 8 is to develop skills taught in year 7. They gain experience in pastry making, and using and preparing different types of pastries. They design their own packaging for their pastries. Learning about food from other countries and prepare dishes from around the world, building on knife skills and knowledge of ingredients. Design and plan their own cookies. 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 investigate Nutrition in detail, planning their own meals to help patients lacking in certain nutrients. They investigate the uses of convenience foods in their diet and plan a healthy meal using convenience products. They study alternative diets for those with different moral and ethical beliefs, completing a research project on vegetarianism. They develop more complex practical skills in preparing main course dishes, cake making and pastry making, and look at the uses of eggs in cooking.
Italian

All the teaching in Year 7 takes place in two mixed ability groups to allow students to settle into their new school and learning of a new language. From Year 8 onwards, they are taught in an upper and mixed-lower sets based on their achievement at the end of year 7. Sets are reviewed on a termly basis.

Staff
Mrs Arnold - Head of Italian

Key Stage 3

Year 7 Topics  Greetings, alphabet, numbers, facts on Italy, saying where you live, saying how old you are, months of the year, describing family, pets, school subjects and stationery, telling the time, festivals, classroom language, hobbies, around town, week-end activities, describing personality and physical appearance.

Year 8 Topics  Describing my home and bedroom, furniture, describing a famous person, shopping, food and quantities, cost and prices, body parts and ailments, keeping fit, sports, week-end plans, food and drink for different meals, what activities can be done in town, talking about last week-end, understanding and giving directions, describing the weather.

Year 9 Topics  Clothing and fashion, revision of colours, TV programmes and films, cinema dialogues, talking about what you saw (past tense), arranging to meet up with someone, giving an excuse, describing daily routine, talking about future intentions, celebrations and festivals in Italy and the UK, describing a past celebration, modes of transport, holidays in the present and past tense, being able to buy a ticket for train/boat ride in Italian.
Mathematics

Mathematics is compulsory for all students from year 7 through to year 11. The department operates a setting policy based on ability and prior attainment. Students are able to move between sets from year to year if their attainment indicates this is appropriate. All students are entered for GCSE Mathematics at the end of year 11 and students are set challenging 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 Mathematics and Further Mathematics and uptake to these is high.

Staff
Mr Leaton - Head of Mathematics
Mrs Sudds - 2nd in Mathematics
Miss Curling - KS3 Co-ordinator
Mrs Dhar
Mr Gottfried
Mrs Haskell
Mr Leonard - Mathematics ICT Co-ordinator

Mrs Paton
Mrs Tibbetts
Mr van Teutem
Mr Whittaker
Mrs Woodhams

Key Stage 3
Students will study a variety of topics. These include the strands of number, algebra, graphs, geometry and statistics. Particular emphasis is placed on algebra, developing problem solving skills, arithmetic techniques and accurate use of correct mathematical language and notation. The students are both challenged and supported. The pupils are assessed on a regular basis to monitor their progress. If a student is struggling, additional support will be put in place to help.

The formal start of the GCSE course in mathematics begins in year 9. We follow the Edexcel course, with the majority of students entered at the higher tier.
Music

Students study Music for one period a week in Years 7 to 9. They can then opt to study the subject at GCSE if they wish. There are numerous opportunities for students to engage in instrumental lessons or join the many bands or choirs.

Staff
Mr Johnson - Head of Music
Ms Bowman
Dr Parker

Key Stage 3
Year 7 Topics  Singing
Rhythm
Pitch and Notation
Keyboard Skills
Instruments of the Orchestra
The Music of the Caribbean

Year 8 Topics  Keyboard skills and Notation
Chords
Melody Writing
Theme and Variations
The Music of Africa

Year 9 Topics  Keyboard Skills
Blues
Reggae
Form and Structure
Music and Media
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 communication skills, self-confidence and teamwork. The department promotes a whole school team ethos through inter form competitions, sports day and our annual sports awards evening. Extra-curricular 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
Mrs Williams - Head of PE
Ms O’Hanlon - 2nd in charge of PE
Ms Venton
Ms Sydney
Ms Logan

Key Stage 3
Year 7
Students will begin Year 7 with a 4 week initial assessment of the physical ability, based on Gymnastics, Aerobic capacity, Games and Multi-skills. They will then be set into ability groups and will follow a rotation system covering 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 will remain in ability sets within PE and will follow a similar rotation system throughout Year 8. In Year 9, they are then streamed into a personalised programme where they will focus on sports or activities that they may follow at GCSE level. These are usually in a pathway related to their strengths. Further activities will also be introduced such as Trampolining and Badminton.
Religious Studies and Philosophy

Our curriculum is consonant with the Bromley Agreed Syllabus for Religious Education (2013). 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 July 2014, is available in the Policy section of the school site.

Staff
Mr Stone - Head of Department
Miss Beckett
Mrs Clothier
Miss Hassan
Ms Healy
Mr Khan
Miss Southall
Ms van Teutem - Assistant Headteacher
Miss Wakenshaw

Key Stage 3

Year 7
Pupils participate either in a systematic programme of dialogical philosophy or in more traditional religious education lessons. In dialogical philosophy, pupils engage with religious concepts, the philosophy of religion, and religious ethics. In the traditional curriculum, subject matter includes the nature and value of Religious Studies, God, and symbols and myths. At the end of Year 7, all pupils engage in the study of Islam through project-based learning. This is carried out in collaboration with the Islamic SACRE representative and Darul Uloom (London) school. There is one 45 minute end of year exam that takes place in school internal examination week.

Year 8
Pupils study the religion Judaism in depth, with the concept of mitzvot central. Other concepts include the Covenant, Shabbat, kashrut, Jewish dress, and festivals. There is a 25 minute mid-year examination that normally takes place in January. Pupils also learn about issues of prejudice and discrimination through a focus on the Shoah, the Anne Frank narrative, and a study of Gandhi. The year ends with a study of concepts from the Hindu faith, including beliefs about deities and reincarnation and Hindu puja and festivals. There is a 45 minute end of year examination in the school internal examination week.

Year 9
Year 9 starts with the study of Buddhism. Pupils also learn about topics from Sikhism, and there is a new unit on Christianity planned to ensure that pupils leave KS3 with a sound grasp of this religion. In addition, some more able Year 9 pupils also engage in a programme of philosophy. As in Year 8, there are two examinations: a 25 minute exam mid-year, and a 45 minute examination held in the school internal examination week.
Science

The Science faculty comprises the three traditional departments of Biology, Chemistry and Physics and is housed in eleven laboratories based in Sharman House and the old Science block. A new laboratory opened last year in 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 and we have recently purchased Doddle software for use at KS3 and KS4.

Science subjects at AS and A2 are very successful with eight groups in Year 12 and six groups in Year 13.

Staff
Mrs Lile - Head of Science/Deputy Headteacher  Miss Kleine-Deters
Mrs Bromberg  Mrs Lenihan
Mrs Cibangu  Ms Osborne - KS3 Co-ordinator
Mrs Faulkner - Head of Chemistry  Dr Short
Mr A Feakes - Key Stage 4 Physics  Mr Robinson
Dr Fry  Mrs Sansom - Assistant Headteacher
Miss Holman  Mrs Stevenson
Mrs Humble  Mrs Summerfield
Mrs Kamps, Key Stage 5 Physics  Mrs Willis - Key Stage 4 Co-ordinator

Mrs Fairhurst - Senior Laboratory Technician (Chemistry)
Mrs Edwards - Laboratory Technician (Biology)
Mr Wiseman - Laboratory Technician (Physics)

Key Stage 3
Key stage 3 Science is taught in Year 7 and 8 and the first term of Year 9.

Year 7 topics  Cells and microscopes  The Skeleton
The Particle model  Light
Space  Waves
Reproduction  Acids and alkalis
Atoms, elements and compounds  Forces
Pure and Impure Substances  Nutrition and Digestion

Year 8 topics  Current electricity  Health
Pure and Impure Substances  Periodic Table
Pressure in fluids  Materials
Static electricity  Photosynthesis
Forces and motion  Relationships in an ecosystem
Gas exchange systems  Cellular respiration
Earth and Atmosphere  Energy transfers and changes
Inheritance, chromosomes, DNA and genes

Year 9
In Year 9 we are introducing the new GCSE AQA Combined Science (Trilogy) course. For more information please refer to the Year 9 Course Option booklet.
Spanish

All the teaching in the first weeks of Year 7 takes place in mixed ability groups to allow students to settle into their new school. However, by the end of the first term a group 1 is created and the rest are kept as mixed ability.

Staff
Ms Santa Barbara - Head of Spanish

Key Stage 3

Year 7 Topics
- Introducing yourself
- Family members and pets
- Personal descriptions
- Talking about school: subjects and description of Bullers Wood
- Telling the time
- Describing your house and your area

Year 8 Topics
- Places in town and describing your city
- The weather
- Sports and free time
- Helping at home
- Talking about activities in the past

Year 9 Topics
- Visiting a friend abroad
- Food and tapas
- Shopping: clothes and food
- Holidays and tourism (present and past)