



Bradford
Grammar
School

A Guide to Junior School Subjects

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Year 2: Age 6 to 7

Subject	Information
Mathematics	Number sequences, addition, subtraction, multiplication, division, times tables, money, shape, time, data handling and mental arithmetic
English	Writing –structured writing and grammatically correct sentences, basic punctuation and simple spelling patterns; Reading – focused phonics sessions and guided reading; Speaking and listening – speaking fluently and listening attentively, reciting stories and poems with emphasis on clarity and intonation
Science	Living things and their environment, Materials and their uses, Plants and Rocks
History/Geography	Exploring the World around us, Buildings and Houses and how events such as The Great Fire of London have influenced changes to designs, People who help us – focusing on Florence Nightingale and her contemporaries
Art	Drawing basic shapes from observation. Leaf studies. Making a simple 3D animal study. Using materials to create mixed media works
Computing	Working on the network, files and folders, word processing, graphics and spreadsheets, touch typing skills and an introduction to coding and computational thinking. Safe use of passwords
Design Technology	Projects linked to other parts of the curriculum
Religious Studies	Special people, places and times
Music	Singing (combining music and actions), rhythm work and learning about pitch and tempo. Developing awareness of instrumental playing techniques, and using pitched and unpitched percussion instruments
Modern languages	French and German, alternating terms. Numbers, greetings, phonics, learn about target language cultures

Year 3 is a continuation of the curriculum covered in Year 2, with the addition of:

Subject	Information
Mathematics	Number e.g. place value, ordering numbers; Addition and subtraction – mental strategies and written method; Multiplication and division – mental strategies and written method; Fractions e.g. recognising fractions, fractions of quantities, equivalent fractions, addition/ subtraction; Measurement – weight, capacity, length, perimeter, time, money; Geometry e.g. 2-D & 3-D shape, angles; Statistics e.g. pictograms, bar charts, using tables; Word problems
English	Writing – planning and editing structured writing and grammatically correct sentences, extending punctuation skills and exploring spelling rules linked to letter strings and phonological patterns ; Reading – focused phonics sessions, guided reading and whole class shared reading; Speaking and listening –expressing and explaining own opinions and beliefs, sustaining conversation, listening attentively and responding with relevant comments and questions
Science	The human body, forces and motion and rocks and soils
History	Roman Empire and its impact on Britain. Stone age/Bronze age Clapham village
Geography	Where in the World? Weather and the local environment
Art	Drawing from observation. African mask studies. Fish studies. Making a 3D / low relief study. Using materials to create mixed media works
Computing	Further work on word processing, graphics, spreadsheets, desk top publishing, cartoons and animation. An introduction to coding games, developing computational thinking and understanding algorithms. The correct use of email and importance of password safety
Design Technology	Roman Shields/Tea pot stands, Stone age model houses and tiled houses
Religious Studies	Key stories and religious figures from Christian, Jewish and Sikh holy texts
Music	Singing (creating action songs and learning about rounds and nonsense songs), pentatonic scales, rhythm work, using pitched and unpitched percussion instruments
Modern languages	French and German, alternating terms. Phonics, everyday language, recognising main word classes, responding to simple songs, poems, stories

Year 3: Age 7 to 8



Year 4: Age 7 to 8



Year 4 is a continuation of the curriculum covered in Year 3, with the addition of:

Subject	Information
Mathematics	Number e.g. place value, ordering numbers, rounding; Addition and subtraction – mental strategies and written method; Multiplication and division - mental strategies and written method; Fractions e.g. fractions of quantities, equivalent fractions, addition/subtraction, decimal fractions, rounding decimals, ordering decimals; Measurement – weight, capacity, length, perimeter, area, time, money; Geometry e.g. 2-D shape, symmetry, comparing angles, co-ordinates; Statistics e.g. pictograms, bar charts, using tables, continuous data; Word problems
English	Writing – planning, writing, editing and revising a variety of genres of writing, extending punctuation work and developing knowledge of spelling rules; Reading – individual reading taught accessing reading scheme, class library and school library books. Class sharing of various genre. Speaking and listening – continued development of vocalisation of opinions and beliefs, engagement in drama activities with a cross curricular theme
Science	Electricity and magnetism, heat, materials, environment and recycling
History	Anglo-Saxons, Vikings and Normans
Geography	South America, Arctic and the Antarctica, Europe and Global Warming
Art	Simple observational drawing. Studies of hands developing into Mehndi design using a variety of media
Computing	Working on the network, files and folders, word processing, graphics and spreadsheets, touch typing skills and an introduction to coding and computational thinking. Safe use of passwords
Design Technology	Clocks, jack-in-the-box and pocket puzzle
Religious Studies	Places of worship, faith practises and sacred texts in Christianity, Judaism, Islam and Hinduism
Music	Graphic scores, Indian Music, Instruments of the Orchestra, Musical Elements and composing Tudor fanfares using basic notation
Modern languages	French and German, alternating terms. Begin to recognise and apply simple grammar patterns such as gender and number, respond to a wider range of songs/poems/stories

Year 5 is a continuation of the curriculum covered in Year 4, with the addition of:

Subject	Information
Mathematics	Number e.g. place value, ordering numbers, rounding, negative numbers; Addition and subtraction – mental strategies and written method; Multiplication and division - mental strategies and written method; Fractions e.g. fractions of quantities, equivalent fractions, mixed numbers, improper fractions, addition/subtraction, multiplying fractions, decimal fractions, rounding decimals, ordering decimals, addition and subtraction of decimals, percentages; Measurement – converting metric units, length problems, weight problems, capacity problems, area and perimeter, volume, time; Geometry e.g. comparing angles, measuring angles, angles and straight lines, 3-D shape, reflections, translations; Statistics e.g. line graphs, frequency tables, interpreting tables, timetables
English	Planning, drafting, writing, evaluating and editing pieces of writing for a range of different audiences and purposes whilst accurately applying spelling, punctuation and grammar rules. Using figurative language and a range of literary devices to extend written work. Reading a range of literature and developing the ability to retrieve information, make inferences and make predictions from clues in the text. Developing the ability to explain ideas, ask questions, summarise texts and deliver presentations fluently and accurately
Science	Safety in the lab, the senses, Light, sound, 3 states of matter, plants and classification
History	The achievements of the earliest civilisations (e.g. Ancient Sumer; The Indus Valley; Ancient Egypt) A study of an aspect or theme in British history which extends chronological knowledge beyond 1066 – Tudors
Geography	Water and rivers, locational knowledge of the UK, map skills and settlements
Art	Observational drawing of natural forms using a variety of media including 3D and printing
Computing	Spreadsheets, desk top publishing, Prezi presentations, graphics, coding games. animation with Lego, Computational thinking, using algorithms to solve problems and a wider knowledge of networks. Developing digital literacy skills
Design Technology	Projects: making an electronic money box and Alarms, buggies and using vacuum forming techniques. Structures – testing bridges to destruction
Religious Studies	Christian denominations. Rites of passage for Christianity, Judaism, Sikhism and Islam
Music	African Music/Drumming, Blues Music, Traditional British Music and understanding/ reading standard musical notation
Modern languages	French and German, alternating terms. Join in short conversations, recognise and apply grammar patterns such as simple verb conjugations, understand and express feelings and simple opinions

Year 5: Age 9 to 10



Year 6: Age 10 to 11



Year 6 is a continuation of the curriculum covered in Year 5, with the addition of:

Subject	Information
Mathematics	Number e.g. place value, ordering numbers, rounding, negative numbers; Addition and subtraction – mental strategies and written method; Multiplication and division - mental strategies and written method; Fractions e.g. simplifying fractions, fractions of quantities, equivalent fractions, addition/subtraction, multiplying fractions, dividing fractions, decimal fractions, rounding decimals, multiplication and division of decimals, remainders as decimals, percentages; Ratio and Proportion; Algebra; Measurement – converting metric units, reading scales, area and perimeter, volume, multi-step problems; Geometry e.g. estimating angles, missing angles, 2-D and 3-D shape, co-ordinates, reflections, translations; Statistics e.g. pie charts, conversion graphs, line graphs, finding the mean
English	Planning, drafting, writing, evaluating and editing pieces of writing for a wide range of different audiences and purposes whilst accurately applying spelling, punctuation and grammar rules. Using figurative language and a range of literary devices to extend and enhance written work. Demonstrating an appreciation of the differences between formal and informal speech and writing. Reading a range of literature and developing the ability to retrieve information, make inferences and make predictions from clues in the text. Explaining ideas, asking questions, summarising texts and delivering presentations fluently and accurately
Science	Forces, the body, biology and chemistry
History	Ancient Greece, a local history study – The Victorians. Maya civilisation
Geography	World biomes, Mountains, volcanoes and earthquakes, Environments around the World - savannahs, tropical rainforests and deserts
Art	Observational drawings based on 'Still Life' theme. Drawing from primary source materials and developing the initial studies using a variety of mixed media including 3D studies
Computing	Coding games and how algorithms work, designing and making an app, animation and spreadsheets. Ensuring a deep understanding of digital literacy and the safe use of social media
Design Technology	Anodised aluminium jewellery, electronics and control
Religious Studies	Holy books, beliefs and key faith practises for Christianity, Islam, Judaism, Sikhism and Hinduism
Music	Rap Music, Music Technology (GarageBand), Melody Writing (composition), Theme and Variations, learning hymns in preparation for Senior School
Modern languages	French and German, alternating terms. Understand longer and more complex sentences, use the language confidently to give prepared presentations, write sentences and short texts on a wider range of topics using a model

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