



Sutton Coldfield Grammar School for Girls Year 8 Curriculum Map: Summer Term 2019



The purpose of this map” is to give you a general outline of what your daughter is learning in school during this term. We are hoping that this will allow you to support your daughter more effectively in her studies and further enable you to have an open dialogue about learning with your daughter. Each department has made suggestions as to activities that will further support learning in their subject “outside the curriculum”.

Subject	What we learn	Outside the Curriculum
Art	‘ African Mask ’ During the term students will continue to develop their confidence and creative aptitude by experimenting with a variety of processes and techniques. The area of inspiration is ‘African Traditional Art’. Students will research and discover the history and meaning behind African traditional arts and show their understanding through a three dimensional outcome.	Continue to find links to how African Traditional arts influenced 20 th Century contemporary art. This will expand your knowledge of Art History. Students can also take an interest in photography and practise this skill at home. Visit local art galleries and enjoy seeing art and photography with family and friends.
Design & Technology	In Resistant Materials : Introduction to CAD & CAM. Students work to design and manufacture a product which could be sold by a charity to help raise funds. They use inspirational images from other designers’ work to inspire their own creativity. In Food & Nutrition : Students look at staple foods and the functions of ingredients focussing on bread and pastry making skills. There is a focus on the development and analysis of existing products to establish consumer preferences to enable the manufacture of a new product. In Textiles : Students design and manufacture an embellished cushion cover for a specialised client. Techniques used include appliqué, decorative machine embroidery and a variety of other forms of embellishment.	Look at two of the following designers’ work to help inspire your own work - Marcel Breuer, Le Corbusier, Arne Jacobsen, Ettore Sottsass, Clarice Cliff, Verner Panton, Frank Lloyd Wright, the Alessi family, William Morris Why not try making bread together at home it’s fun and easy. Travel through time at the Museum of Costume and Textiles in Nottingham. (Free Entry)
English including Drama	During the first half term students will be completing their study of a Pre 1914 Novel, exploring ways that meaning is created and analysing how writers create meanings through various different authorial methods. Our final unit is a combination of reading and writing skills with a focus on non-fiction texts and genres. Students will be encouraged to write for a range of purposes and audiences and will consider a wide range of extracts and articles to prepare and inspire their own writing. In Drama students will be exploring ‘From page to stage’. They will be introduced to a range of play extracts and explore how they will bring these to life. They will consider the role of performers, directors and designers. Students will explore the playwright’s original intentions and learn about different types of staging.	Continue to read a wide variety of fiction, making good use of all library services available to you. If you have enjoyed the Pre 1914 novel, consider reading another by the same author! Taking an interest in current news stories and reading a variety of newspapers will help to prepare students for the Media unit.
French	Expo 2 Module 3 : Making and reacting to invitations; making excuses using modal verbs (<i>vouloir, pouvoir and devoir</i>); talking about clothes; adjectival agreement; discussing shops and shopping; using comparative adjectives	Use online website such as www.linguascope.com to revise and extend key vocabulary. Continue corresponding with French pen friends. Attend French Film Club when possible.
Geography	In the first half of the term students will consolidate their knowledge on managing coastal erosion by completing a decision making exercise. They will then move on to study tourism – where people go on holiday, different types of holiday, how a tourist resort changes over time and the impacts of tourism. They will investigate how the negative impacts can be managed through sustainable tourism, and complete an independent research project.	Encourage students to watch documentaries and complete independent research online. Collecting holiday brochures will assist students with their independent research project.
History	During the summer term students will be studying a module entitled ‘An Age of Industry, Reform and Change 1750 – 1900. They will begin by finding out about aspects of the Industrial Revolution followed by a brief look at some of the key reforms during this era, including working men gaining the right to vote. Towards the end of the term there will be an opportunity for independent research on a whole range of interesting ways in which life changed for people living in Victorian times. To support their studies, students will visit the Ironbridge Gorge Museum where they will spend time at Blists Hill Victorian Town, the Museum of Iron and the Darby Houses.	Places of interest include: the National Trust’s Birmingham Back to Backs (need to book); the Thinktank; Birmingham Science Museum; The Black Country Living Museum; Museum of the Jewellery Quarter; Sir Richard Arkwright’s Cromford Mills near Matlock. Encourage students to read historical fiction. Some relevant novels include ‘Hard Times’ by Dickens and ‘North and South’ by Elizabeth Gaskell. For an easier read they could try ‘My Story: Victorian Workhouse’ by Pamela Oldfield or ‘My Story: Mill Girl’ by Sue Reid. ‘Dodger’ by Terry Pratchett is also relevant.
Computing	During the summer students will be looking at how networks work. This is a theoretical unit covering the basic principles and architecture of local and wide area networks. Pupils will learn that the World Wide Web is part of the Internet, and how web addresses are constructed and stored as IP addresses using DNS. Pupils will learn about data transmission and through an understanding of different network topologies and network hardware, they will plan	Encourage students to watch documentaries on the latest technology i.e. BBC Click programme, the Gadget show.

	the structure of a local area network. Client-server, peer-to-peer networks and the concept of cloud computing are all described. Ways of keeping data secure and simple encryption techniques are also covered. In the final lesson, pupils will sit a multiple choice test which will form the Unit assessment	
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Maths	In number , we solve problems involving ratio and proportional reasoning. In algebra , we solve simultaneous linear inequalities and represent the common solution on a number line. We find approximate solutions to equations by drawing appropriate graphs and through the use of trial and improvement. In geometry , we convert between metric and imperial units and draw and interpret conversion graphs. We calculate compound measures such as pressure, density and speed, including the use of decimal hours. In statistics , we compare data sets using appropriate measures of average and spread. We look at different ways to display data, including back to back stem and leaf diagrams. We explore bivariate data using scatter diagrams, correlation and line of best fit.	www.mymaths.co.uk has lessons on all of the topics, as well as puzzles, games and extension materials. Students have been issued the current password by their Maths teachers. All students are entered for the Junior Maths Challenge on Thursday 26 th April.
Music	In the first half term students will continue to look at The Blues and to use the skills they learnt before half term to compose and perform their own Blues song using authentic features of the style. In the second half term students will develop ensemble performance skills and how to make an arrangement (a 'cover version'). Students will learn to perform a popular song in groups by singing, playing the keyboard (chords and bass line) or using their own musical instruments. They will then be encouraged to look at ways of personalising the piece, developing chord patterns, adding counter-melodies, introductions / endings, as well as their own ideas for development. Students may be asked to find their own music to arrange	If students do not have access to a keyboard or piano at home then it may be worth considering purchasing one (although this is not compulsory!!) The main keyboard used in school is the Yamaha YTP-220, which retails for about £90. Whilst we do not currently offer peripatetic keyboard lessons in school many students have lessons outside of school. I am happy to suggest possible keyboard schools to any interested student or parent. Girls are encouraged to participate in extra-curricular music groups to develop their performance skills. Groups include Gospel Choir, Chamber Choir, Training Orchestra, Sinfonia, String Ensemble, Clarinet Ensemble and Flute Ensemble. I would also encourage parents to take their daughters to watch 'live' music performances in a variety of styles. Birmingham has a huge amount of live music from a wide range of cultures and styles. Listen to a wide variety of music on the radio, and try out new styles that may not be familiar to you!
PE	This term the focus for students is developing performance in athletics, tennis and rounders. Students will also be looking at how well they can take on different roles within the physical activities that they are participating in, how well they can identify strengths in performance and areas for improvement. Students will have a PE theory examination during school exam week. Questions will be based on the skills, health and safety, rules, positions, playing areas and major muscles used in the various sporting activities that have been covered in greater depth than in the Year 7 examination. There is Sports Day to look forward to as well as House Rounders and Tennis matches.	Join one or more of the extra-curricular clubs on offer for summer sports in school. Try and increase the amount of regular exercise that you do. For example play tennis, rounders, badminton, football, handball etc. with family and friends in the park. Start walking (faster/further!), jogging, cycling, swimming, rowing etc. We have a tennis and badminton coach offering training after school, and there may be an opportunity for you to participate in water rowing at Powell's Pool on Fridays. Look out for your chance to represent the school at the Sutton Schools' Athletics Championships.
Religious Studies	During the first half term, students will study how the beliefs of a religion are reflected in their place of worship. In the second half term, students have the opportunity to visit 3 different places of worship. They will also complete a project in groups on their chosen religious building. They will have the opportunity to research in the school library and then to work in groups to make a model and a guidebook of their chosen place of worship.	There is a wide variety of places of worship in Birmingham and the local area. Encourage your daughter to visit a place of worship and consider the significance of the features of the religious buildings they see around Birmingham. In the past, girls have visited the place of worship of one of the members of their group to help with their project. This has led to excellent collaboration and has given girls a real insight into the worship and religion of one of their friends. Local libraries often have excellent books on places of worship which will also be helpful for students as they complete their projects and models.
Science	In Biology , students will be learning about people and the environment in which they live. Topics will include survival, passing energy on from one organism to another, the cost of food and how we should be living in the future. The way we shape life is also covered including selective breeding, cloning, analysing ideas and evidence, plant responses and behaviour, animal instincts and learnt behaviour. In Chemistry , students will be learning about the chemical reactions of metals and start the unit on rocks, volcanoes, fossils and the rock cycle. In Physics , students will be finishing learning about sounds including the reflection of sound and how sound is used. We will then be moving on to the topic on forces. We will study how forces can be used to explain the movement of fairground rides and how we can use the principles of moments and pressure to our advantage in machines.	For Biology , Twycross Zoo is well worth a visit as it has a large number of primates and stimulating environments in which animals can show learnt behaviour. It is interesting to look at how the animals display their natural instincts as well as learning new behaviours. For Chemistry , students could identify metals being used in the world around them and investigate why that particular metal is selected for that purpose. It would also be great fun to try and find fossils in rocks in the local environment and discuss their formation. For Physics , students could examine everyday devices such as scissors, see-saws and door handles and discuss the parts of the design that make it work so well, using ideas about moments. They could use their knowledge from class to present this to a member of the family! A similar activity could be performed for our use of high and low pressures.

Spanish	Students will be learning vocabulary to discuss school; understanding and giving opinions on school subjects, telling the time, talking about the school day and meal times. Students will begin to use a variety of expressions to give and justify their opinions in their spoken and written Spanish. They will also have the opportunity to take part in some project work which involves researching an aspect of Spanish culture and presenting their findings.	Use www.linguascope.com to practise material learned in lessons, teach family members/friends key vocabulary and read about Spanish culture and traditions.
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