

## Year 8 Curriculum at Cavendish 2016-17

Throughout each year of Key Stage 3 at Cavendish students follow a broad and balance curriculum. Within each subject they study a variety of topics which are designed to develop and deepen their skills and knowledge so that they are prepared for the demand of the GCSE courses they will take for GCSE. Below is some brief information about the topic areas they will study in each subject.

If you would like additional information about the topics please contact the Head of Faculty for each subject. Their contact details can be found on the school website.

### English

Term	Topic
1	Shark attack scheme (looking at 'Soul Surfer' by Bethany Hamilton and the issue of culling).
2	'The Woman in Black'.
3	'Don't Get me Started!' scheme, looking at persuasive and argumentative writing.
4	Media/ advertising.
5	War poetry
6	Travel writing

### Maths

In Year 8 each class follows a Levelled Scheme of Work, which reflects on improving one the average ability of that class. Over the years, as grades improve, classes then move onto a higher level programme.

Each scheme, covers between 12 and 16 topics over the year. They cover aspects of Number, Algebra, Shape and Handling Data, involving problem solving too. The Schemes of Work, reflect the changes to the new Maths GCSE. The topics that have been omitted or added to the exams, have been amended in the teaching programme.

Each class will sit short topic tests over the year, 13 of these. Students will sit more formal exams, three times in the year. These results will be reported home.

Each class will have a Mymaths lesson once every two weeks. They shall be coached on using the lessons and revision material on Mymaths, so they may use these on any task, to help them get their best results. The tasks set, will reflect the content from that particular topic, and will build on level of difficulty. Students shall be set minimum result goal to aim for, and these can be resat and improved on, at any time. Tasks set will be listed on Showmyhomework.

## Science

In Science students rotate throughout the topics set out below throughout the year.

Topic
<b>Biology</b> 1. Health & Lifestyle 2. Ecosystem Processes 3. Adaptation and Inheritance
<b>Chemistry</b> 1. The Periodic Table 2. Separation Techniques 3. Metals and Acids 4. The Earth
<b>Physics</b> 1. Electricity and Magnetism 2. Energy 3. Motion and Pressure

## History

Term	Topic
1	The Tudors
2	The British Empire
3	Slavery
4	Children in the Industrial Revolution
5	The Suffragettes
6	Soldier's experiences of World War I

## Geography

Term	Topic
1	Me and my environment
2	Coasts
3	Population Change
4	Rainforests
5	Rivers
6	China

## RE

Term	Topic
1	Religious views of God
2	Does God exist?
3	Introduction to Buddhism
4	Environment
5	Martin Luther King: <b>Christianity and racism</b>
6	Responding to discrimination

## Spanish

Term	Topic
1	Describing friends and celebrities, free time activities
2	Going out, places in town, making excuses
3	Holidays: destination, transport, activities
4	Food: mealtimes, shopping for food, eating at a restaurant
5	Fashion and travel: clothes, school uniform, trip to Argentina
6	Barcelona: tourist destinations, shops, directions

## French

Term	Topic
1	Media: television programmes, films, books, internet
2	Paris: tourist attractions, planning what to do, saying what you did
3	My identity: personality, relationships, music, clothes
4	At home: describe your home, food and meals, future events
5	Talent and ambition, say what you can do, describe people's personalities
6	World geography and French-speaking countries

## Computer Technology

Term	Topic
1	Logic
2	Cyber Safety
3	Web technologies
4	Branding
5	Games development
6	Photoshop/ Graphics

## PE

Term	Topic
1	Boys – Football/ Table Tennis, Girls – Netball/ Football, Mixed – GYM/Trampoline
2	Boys – Trampoline/ Basketball, Girls – Hockey/Badminton, Mixed – Badminton/Trampoline
3	Boys – Gym/ Dance, Girls – Hockey/Badminton, Mixed – Gym/Table Tennis
4	Boys – Rugby/ Badminton, Girls – Trampoline/Basketball, Mixed – Basketball/Handball
5	Boys – Athletics, Girls - Athletics, Mixed – Athletics
6	Boys – Tennis Baseball, Girls - Netball/GYM, Mixed – GYM/Trampoline

## Art

### Colour

Students gain an understanding of colour mixing and its application through the use of mixed media, paint, collage and pencil crayon. Imaginative presentations and observational work, together with experimentation will be carried out in sketchbooks. Outcomes will be developed through a variety of 2 and 3 dimensional processes.

### Drama

Term	Topic
1&2	Commedia Dell A'rte
3&4	Monologues & Duologues
5&6	Improvisation

### Music

Term	Topic
1& 2	The Blues
3&4	Indian Music (Bhangra)
5&6	Film Music

## **Design Technology**

Students will build on skills learnt in year 7 by completing projects which cover a range of DT specialisms.

### Food Technology

Students will develop their food preparation and cooking skills. They will develop the ability to work confidently with a range of equipment and produce a range of products, predominantly savoury. They will improve accuracy through learning a range of different cutting techniques. Products made include a layered salad, burgers, fruit and veg muffins, macaroni cheese, Dutch apple cake, Chow Mein, Rataouille, pizza and curry. Students will develop their knowledge of a range of diet needs and deepen their knowledge of different nutrients and vitamins. They will also develop their technical knowledge through understanding gelatinisation and enzymic browning and fermentation.

### Textiles printed cushion

Students will design and make a cushion cover using the work of a range of artists as inspiration. They will use the transfer inks and heat press to transfer their design onto polyester and develop accuracy with using the sewing machine in assembling their cushion case. Students will also develop their knowledge of fibres further in comparing man-made and natural fibres and fabrics. They will also develop Graphic design skills in considering a possible swing tag and packaging for the cushion cover.

### Mood Light Project

Students will further explore the properties of plastics, looking at thermo and thermos set plastics, through designing and making a Vacuum formed mood light. Students will build on knowledge of electronic components learnt in year 7 to assemble and solder the mood light circuit. They will also use Graphic techniques in designing their mood light.

## **PSHE**

Term	Topic
1&2	Drug, Alcohol and Tobacco Education
3	Healthy Living (First Aid)
4	Emotional Health and Well-being
5& 6	Sexual Relationship Education