

# Marr College



S3 Learning & Skills Options

Course Information

2017/18

## What will my child study in S3 at Marr College?

As part of a Broad General Education (BGE), all students at Marr College will continue to study a wide variety of subjects in S3. Students will have opportunities to develop skills for learning, skills for life and skills for work (including career planning skills) with a continuous focus on Literacy, Numeracy and Health and Wellbeing\*

Throughout the BGE, Marr College will provide learning experiences for all our students that will prepare and equip them with the skills and knowledge necessary for further study. We aim to:

**'provide learning in S3 which rounds off effectively the BGE phase and, at the same time covers learning which will prepare young people well for the qualification courses they may follow in S4.'**

*Progression from the BGE to Senior Phase updated guidance, Education Scotland*

To ensure that the needs of all our young people are met we have refined our S3 curriculum structure. All students will continue to study English, Mathematics, and other core subjects including PE, PSE, Tutor and RME. The total number of Learning Options will focus on six choices, each studied for 3 periods per week, to give further opportunities for depth of learning and essentially greater success in S4 and beyond. It is an expectation that all young people choose a balance of subjects within each curricular area to provide a breadth in education.

Students will choose six Learning Options within the full range of curricular areas and will also have the opportunity of studying two Skills Options of their choice. As part of the core curriculum, all learners will study: 4 periods of Mathematics; 4 periods of English; 2 periods of Physical Education; 1 period of PSE; 1 period of Tutor Time and 1 period of RME.

Curriculum Model 2017/18									Core Curriculum			
Mathematics	English	Languages and Cultures	Social Subjects and HWB	Sciences & Technologies	Expressive Arts & Technologies	Free Choice 1	Free Choice 2	Skills Option (2 Choices)	PE	PSE	Tutor	RME
4 periods	4 periods	3 periods	3 periods	3 periods	3 periods	3 periods	3 periods	2 periods	2 periods	1 period	1 period	1 period

This booklet has been designed as a read together information source to help you and your child decide on the best Learning Options for S3.

Our options offer progression to qualifications at National 3, National 4, National 5, Higher and Advanced Higher. Students will be able to make further choices in S4 and begin to further specialise in their chosen subjects.

*(\*Building the Curriculum 3, p4)*

# **Core Curriculum**

## **English & Literacy**

The English course continues to develop and assess skill in the areas of Reading, Writing, Talking and Listening while developing the four capacities of a Curriculum for Excellence: Confident Individual; Responsible Citizen; Successful Learner; Effective Contributor.

Using a variety of teaching strategies, teachers support learners to develop their social and academic skills while studying a broad range of texts and literature. The new curriculum enables us to provide breadth and depth to the learning experience in contexts relevant to life today. In English, we do this through texts which focus on topical issues.

Over the three years of the Broad General Education we ensure that all our learners follow the same course, develop the same set of skills and benefit from similar learning activities in a supportive and productive learning environment.

## **Mathematics & Numeracy**

Learners will be given the opportunity to build on their previous experiences. Learning in Mathematics will enable all students to:

- develop a secure understanding of the concepts, principles and processes of mathematics and apply these in different contexts, including the world of work
- engage with more abstract mathematical concepts and develop important new kinds of thinking
- understand the application of mathematics, its impact on our society past and present, and its potential for the future
- develop essential numeracy skills which will allow them to participate fully in society
- apply skills and understanding creatively and logically to solve problems, within a variety of contexts
- establish firm foundations for further specialist learning

Completion of the S3 course will enable learners to work towards National 3, 4 and 5, accredited courses in Mathematics.

## **Personal and Social Education**

PSE classes are very much concerned with bringing all that a school does to encourage the on-going development of life-skills which will enable students to become: successful learners; confident individuals; responsible citizens; effective contributors.

Our S3 PSE programme maintains progression in topics and skills previously studied. The main themes that will be covered are: Mental, emotional, social and physical wellbeing; Planning for choice and change; Substance misuse; Relationships, sexual health and parenthood.

Within these themes we have lessons on personal safety, internet safety, careers education and subject choice for S4, SPICE (alcohol and drug education), anti-bullying, mental health and sexual health and relationships education.

## **Physical Education**

In S3 core PE lessons pupils participate in a range of team sports, individual games and aesthetic activities. Pupils revisit activities they have participated in during S1-2 PE lessons, but are also introduced to new sports e.g. handball.

## **RME**

As part of their core entitlement, all students in S3 will experience one period per week of RME. The course is composed of four units and focuses on how religion and belief systems respond to issues within society.

The units are:

- Tolerance and Respect
- Judaism and Holocaust Education
- The problem of evil and suffering (introduction to philosophical questions)
- Morality and Belief (a pupil investigation)

The course itself will be taught in a variety of ways and students will be offered a wide range of learning experiences and activities. All of the units covered in S3 provide progression to National 4/5 RMPS as an option in S4 and also National 5/H RMPS and Philosophy in S5/6.

Pupils will also gain experience in essential skills such as evaluation, analysis and higher order thinking which can be applied across the curriculum in many other subject areas.

# Learning Options

## Administration & IT

Administration is a growing sector which cuts across the entire economy and offers wide-ranging employment opportunities. This course begins to develop a range of essential skills in employability, IT, organisation and introduce knowledge about administration in the workplace all of which will stand learners in good stead regardless of the career path they ultimately choose. Throughout the course you will learn:

- basic understanding of administration in the workplace and key legislation affecting employees
- the importance of good customer care
- how to use IT to perform straightforward tasks
- how to organise and support a small-scale event (including meetings)

The course contains a significant practical component, which involves experiential learning and uses real-life contexts, which makes it relevant to the world of work. In S4 students may progress to National 4 or 5 in Administration & IT.

## Art & Design

In third year, students will study Expressive Arts, Art and Design, and Historical & Critical Studies. There will be the option for students to specialise within Expressive Arts: in ceramic sculpture; portraiture, or still life painting. Students will study the visual elements, line, tone, shape, colour, texture and pattern and the course will be based on improving their drawing skills in a variety of different media including chalk and oil pastels, watercolours and mixed media.

In S3, students will be given a choice of design briefs for them to develop their drawings into a final piece of work. Home Learning is an important integral part of the course, which is based on academic realistic style of drawing and students are given weekly drawing practice and written homework to improve their grades.

The course focuses on the independent study of artists and designers which links with their class work in Expressive Arts and Art & Design. At the end of S3, students may decide to carry forward their study in Art and Design. Completion of the S3 course will enable students to work towards National 3, 4 and 5 in S4 and beyond.

## Biology

Biology is always in the news! Advances in our knowledge of DNA, health science, agriculture and environmental monitoring to establish the causes of climate change and its impact on animals and plants are just a few examples of how biology affects our everyday lives.

The topics that will be covered in the S3 Biology course look at some of these issues:

- **Biodiversity and Interdependence:** Learners continue to develop an understanding of how animal and plant species depend on each other and how living things are adapted for survival.
- **Body Systems and Growth:** Learners study many different aspects of living things, from how the human body keeps its temperature and blood glucose levels stable, to the effects of disinfectants on micro-organisms, the use of enzymes in industry and how tissues and organs can be transferred from one organism to another.

- **Cells and Inheritance:** Learners are invited to consider how genetic information is stored in cells in DNA, genes and chromosomes, and how DNA characteristics are passed on from one generation to the next.

Within each topic there will be many opportunities for learners to develop their numeracy, literacy and practical skills and they will also have the opportunity to debate the social, moral and ethical issues associated with some of the more controversial biological procedures, such as GM and DNA technologies and the use of stem cells.

The S3 Biology course will enable students to progress to National 3, 4 & 5 courses in S4, with the possibility of future careers in the sciences and in technologies.

## **Business Management**

Business plays an important role in society. We all rely on businesses and entrepreneurs to create wealth, prosperity, jobs and choices. This course will begin to develop learners' understanding of the way in which businesses operate in the current dynamic, changing, competitive and economic environments, and to encourage entrepreneurial attitudes.

Throughout the course you will learn:

- a basic understanding of business concepts
- an awareness of the processes businesses use to satisfy customers' needs
- enterprising skills and to adopt enterprising attributes by participating in practical activities in realistic business situations
- financial awareness through a business context
- an insight into the impact of the economy on businesses and our daily lives, thus gaining economic awareness

Learning will take place using practical activities which encourage risk taking and decision making, thereby enabling you to cope more easily in rapidly changing business environments. Students may progress in S4 or beyond to National 4 in Business or National 5 in Business Management.

## **Chemistry**

In S3, students will study Level 4 Science Experiences and Outcomes related to Chemistry.

They will build on the topics: Acids and Bases; Matter; Elements and Chemical Reactions which were studied in S1 and 2. Students will be given access to a wide range of experiences which will encourage and sustain student's natural curiosity.

Students will further develop their skills in the following areas: Atomic Structure; Chemical Reactions; Metals; Cells and Batteries; Carbon Chemistry; Pollution and what's new in the material world

In addition, learners will develop the following skills: Chemistry's role in society; Inquiry and investigative skills; Analytical thinking skills; Practical skills; Problem solving skills.

Completion of the S3 course will enable students to work towards National 3, 4 and 5, accredited courses in S4 and beyond.

## Computing Science and Digital Literacy

Computing Science and Digital Literacy is one of the most exciting and rapidly-changing areas of study in our school curriculum today. Whether you want to learn how to build a smartphone application, create your own computer game, design your own website or simply become digitally-literate with experience of using the latest versions of software applications including Microsoft, Adobe and Serif – then this is the course for you. Our philosophy is simple: computers are great fun, essential for learning, life and work, and students really enjoy learning about them!

Students will extend their skills, knowledge, and understanding in:

- **Coding.** Learn how to build software applications for personal computers and mobile devices including Microbits, Raspberry Pis and smartphones. Design and create your own computer games complete with characters, scenarios and levels. Gain experience of software development environments including Scratch, Visual Basic, Python, C# and Game Maker.
- **Computer Systems.** Extend your awareness of the latest developments in personal computers and mobile devices including operating systems and software. Develop a strong working knowledge of a wide range of hardware components including powerful quad-core processors and graphics cards for gaming platforms. Know how to network computers and keep your network secure when using Wi-Fi.
- **Information systems.** Create interactive multimedia applications that incorporate graphic design, animation, sound and video. Work both independently and as part of a team to develop your own databases and websites using HTML, CSS, Javascript and PHP. Learn how to build digital solutions including designing and developing an e-commerce website to meet a required specification.
- **Digital Literacy.** Develop and extend your skills and experience in the latest software applications to become highly proficient in using Microsoft Word, Excel, PowerPoint and Access. Experience other web-based ICT technologies and learn how to use the Internet responsibly and stay safe when online.

All our students will have opportunities to develop and strengthen their literacy and numeracy skills along with greater awareness of their own health and wellbeing and the impact of technologies on the environment. Our students are also supported by e-learning through GLOW and Microsoft OneNote where they have their own e-jotter and personal learning e-portfolio online.

Our S3 course is designed to provide learning experiences and outcomes at third and fourth levels of Curriculum for Excellence. It secures a pathway to National 3, 4 and 5 Computing Science, Games Development and Cyber Security qualifications in S4, with progression to Higher and Advanced Higher in S5/6.

## Drama

Our S3 Drama course focuses on forms of Drama, conventions of Drama and the basics of Theatre Arts Technology. There is the potential to work with external agencies to learn about lighting, sound and stage management. In each lesson, students will build their confidence in devising and performing short dramatic scenes. Students will also study extracts from various Scottish drama texts.

The study of Drama is excellent for building an individual's confidence and brings great benefit to communication skills; students will also develop their peer relations and hone feedback skills. Cultivating a love of theatre will also be paramount, with opportunity for trips/guest speakers.

## **Engineering Science**

Engineering is vital to everyday life; it shapes the world in which we live and its future. Engineers play key roles in meeting the needs of society in fields which include climate change, medicine, IT and transport. The Engineering Science course provides a broad introduction to Engineering and focuses on developing transferable skills of value to many learners, and particularly beneficial to those considering a career in Engineering. The course enables learners to:

- apply knowledge and understanding of key Engineering facts and ideas
- understand the relationships between Engineering, Mathematics and Science
- apply skills in analysis, design, construction and evaluation to a range of Engineering problems
- communicate Engineering concepts clearly and concisely using appropriate terminology
- develop an understanding of the role and impact of Engineering in changing and influencing our environment and society.

We use some of the latest modelling software and control technology available to schools.

## **Environmental Science**

The S3 Environmental Science Course enables learners to develop an understanding of environmental issues. Learners will investigate key areas of the living environment, the Earth and its resources as well as sustainability. There will be the opportunity to develop problem solving, investigative and experimental skills.

## **Geography**

In S3, students will focus on three main areas: Physical Environments; Human Environments; Global Issues.

The topics that will be covered in S3 Geography are: Coasts; Landscapes created by ice; 7 billion People – Population Issues; The Development Gap; Moving Stories; Land use and conflict.

Each of these topics has clear links to students learning in S1 and S2 and will provide more depth and a variety of different contexts through which to build their geographical understanding.

Some examples of learning activities are: fieldwork to ensure relevance of students learning; interactive games and simulations to develop; understanding of real life development situations; modelling to enhance students' ability to link landscapes.

Learners, where possible, will use technology and a variety of individual, paired and group activities, as well as current case study material to enthuse and engage in developing as citizens of the world around them. Completion of the S3 course will enable students to work towards National 3, 4 and 5, accredited courses.

## **Graphic Communication**

The aims of the Course are to enable learners to:

- develop skills in graphic communication techniques, including the use of equipment, materials and software.
- extend and apply knowledge and understanding of graphic communication standards.
- develop an understanding of the impact of graphic communication technologies on our environment and society.

There are three main units in the course:



### **2D Graphic Communication**

This Unit helps learners develop their creativity and skills within a 2D graphic communication context. It will allow learners to initiate, develop and communicate ideas using graphic techniques in straightforward and familiar contexts. They will develop 2D spatial awareness.

### **3D and Pictorial Graphic Communication**

This Unit helps learners develop their creativity and skills within a 3D and pictorial graphic communication context. Again, it will allow learners to initiate, develop and communicate ideas using graphic techniques in straightforward and familiar contexts. They will develop 3D spatial awareness.

### **Graphic Communication Project**

This will be an individual project, chosen by the student, to challenge and demonstrate the application of the taught techniques.

Completion of the S3 course will enable students to work towards National 4 and 5, accredited courses in Graphic Communication.

## **Health & Food Technology**

Food Technology in the context of Health & Food Technology provides opportunities 'to address people's needs and wants for food, clothing and health care' (Scottish CCC), through experimental, practical and problem solving approach to learning and to develop knowledge, understanding and practical skills. The course uses real life situations taking account of local, cultural, media influences and technological innovations.

The course aims to develop practical and technological skills and knowledge and understanding to make informed food and consumer choices. The course will enable students to:

- Develop knowledge of the relationships between health, food and nutrition
- Develop knowledge of the functional properties of food.
- Make informed food and consumer choices
- Develop the skills to apply their knowledge in practical contexts
- Develop organizational and technological skills to make food products.
- Develop safe and hygienic practices in practical food preparation.

## **History**

The S3 Course will open up the world of the past for learners. History provides learners with insights into their own lives and of the society and the wider world in which they live.

In S3 History you have the chance to learn about the major developments which have shaped our society throughout time by looking at Scottish, British, and European and World history in medieval, early modern and modern time frames.

The course will examine themes such as: authority, belief, conflict, conquest, identity, and power. You can expect to find out about key Global events such as World War 1 and 2; the Cold War; the Atlantic Slave Trade; the development of the Scottish Nation; and the Crusades. The course consists of a wide variety of activities and multi-media resources that will help you develop all the necessary knowledge and skills you need to succeed in History and beyond.

Level Four History offers progression to National 3, 4 and 5 History which will be offered in S4.

## **Hospitality**

In S3, learners will study 3 sections in preparation for progression to National 4 and National 5 in Hospitality Practical Cookery in S4 and beyond.

### **Cookery Skills: Processes and Techniques**

Learners will develop cookery skills, food preparation techniques and the ability to follow cookery processes in the context of simple food preparation and cooking. The Unit also develops learners' basic understanding of the importance of safety and the ability to work safely and hygienically.

### **Understanding and Using Ingredients**

Learners will develop basic knowledge and understanding of the categories, uses and sourcing of ingredients, including sustainability and a basic ability to select and use ingredients in the preparation of simple dishes and to do so safely and hygienically.

### **Organisational Skills for Cooking**

Students will develop basic planning, organisational and time management skills in the context of planning and producing simple dishes. Learners will acquire the ability to plan their work and follow the plan, follow simple recipes to prepare simple dishes for specific occasions and work safely and hygienically.

## **Investigating People and Society**

Investigating People and Society combines the necessary skills from a variety of social subject areas including History, Geography, Modern Studies, RMPS and Philosophy. It allows students to develop the essential skills of decision making, investigating and comparing/contrasting. Students will also have the opportunity to develop key ICT and presentation skills.

Students will study the following topics:

1. Comparing and Contrasting: Healthcare in the UK and one other country
2. Investigating: The History and development of Medicine
3. Making Decisions: Organ Donation
4. Student Investigation: Crime in our local area

Successful completion of this course in S3 allows students to progress to National 4 in Social Subjects in S4.

## **Modern Languages: French and Spanish**

The study of languages can be very rewarding. Employers are more than ever looking for employees with language skills and therefore a language can be a definite plus when you are applying for jobs. And often, when you are already learning one language, learning another is easier. Learning a new language opens up a world of new opportunities. If you choose to learn a commonly spoken language, such as Spanish or French you can travel practically anywhere in the world and not have trouble with translations. Learning a new language gives you a greater global understanding of the world we live in.

Learners will experience a variety of content in Modern Languages such as: Nationalities and Countries, Healthy Lifestyles, Travel, School, World of Work, TV & Cinema. These topics will be covered in a variety of teaching styles using realistic contexts and scenarios.

Students will have access to up to date technology and modern resources. Completion of the S3 course will enable students to work towards a National Qualification in S4 as well as alternative accredited courses in the senior phase.

## **Modern Studies**

The world is a rapidly changing place and nowhere is the 'Global Village' more keenly explored than in Modern Studies.

In S3 Modern Studies you will learn about a wide variety of countries and cultures. We will understand how different leaders can affect the people of the country and also how some places have faced problems such as war and unrest. What can be done to help in these situations and in what ways are some countries different from our own?

We will also discuss your rights and responsibilities as a citizen and learn about issues that directly affect you. We will spend time investigating opinions and thinking about how the media influences us – especially where the Government is concerned.

The course consists of a wide variety of activities and multi-media resources that will help you develop all the necessary knowledge and skills you need to succeed in Modern Studies and beyond.

Level Four Modern Studies offers progression to National 3, 4 and 5 Modern Studies which will be offered in S4.

## **Music Performance**

Music is fundamental to our modern lives, whether as part of our download culture, our enjoyment of film and TV, or even as part of the advertising which nourishes our commercial lives. Studies have shown that acquiring music skills at an early age improves intellectual ability across subjects. Music has much to offer!

We will be concentrating on instrumental playing, offering a wide variety of songs and styles for the two instruments students will choose to specialise in. Students will gain skills in self-expression through composing and performing, and in understanding by listening to a variety of musical styles. We will be performing in groups of different sizes, and we'll take in some solo and recording work along the way.

Skills offered by the course include independent thinking and study skills, with an emphasis on self-awareness and positive critical thinking. The homework we shall be expecting is practice on the music encountered in the course – about 20 minutes per night.

## **Music Technology**

This exciting new course will open up the possibilities offered by technology to the creative world of music. You will learn how to record sounds, process them, and produce a finished product to the standards required by today's multimedia and games industries.

Skills you will gain will include signal routing, processing and control, output level monitoring, and final project package management. Students selecting this course should be able to perform to a good standard on a musical instrument and be prepared to contribute to their own and others' projects as an instrumentalist, singer, or technical adviser.

## **Physical Education**

Regular physical activity is essential for good health. All students in S3 will take part in 2 periods of core Physical Education and will have the option to study PE for an additional 2 periods per week.

Physical Education inspires and challenges young people to experience the joy of movement to develop positive attitudes both individually and as part of a group and to enhance their quality of life through active

living. Physical Education gives young people an important foundation for participation in experiences and physical activities and sport and in preparation for a healthy lifestyle.

Students will take part in a wide variety of sports throughout S3 for example:

**Group Activities:** Rugby; Football; Hockey; Volleyball; Basketball.

**Individual Activities:** Gymnastics; Trampoline skills; Aerobics; Athletics; Badminton; Table tennis.

Successful completion of the S3 course allows progression to National 3, 4 or 5 in S4 and beyond.

## Physics

Physics gives learners an insight into the underlying nature of our world and its place in the universe. From the sources of energy we use, to the exploration of space, physics explores a range of applications and the relationships that have been discovered through experimentation and calculation - including those used in modern technology. Advances in physics mean that our view of what is possible is continually being updated. In S1 & 2 learners have studied Physics through Energy, Forces, Light and the Electromagnetic Spectrum, Electricity and Heat.

The main aims of the S3 Physics course are for learners to:

- develop scientific and analytical thinking skills in a physics context
- develop an understanding of the role of physics in scientific issues
- acquire and apply knowledge and understanding of concepts in physics
- develop understanding of relevant applications of physics in society

Third year Physics will include the following topics:

- Using Electronics to solve real world problems
- Investigating sound and the electromagnetic spectrum
- Electrical circuits including voltage, current and resistance
- Motion – making measurements of speed and acceleration and analysing speed–time graphs
- Experiments involving forces via an introduction to Newton’s Laws of motion.

All topics will include a mixture of practical, investigative and written work and ICT where appropriate. The S3 Physics course will enable learners to progress to National 3, 4 and 5 courses in S4, with the possibility of future careers in the sciences and technologies.

## Practical Woodwork & Metalwork

The Course is practical, exploratory and experiential in nature. It combines elements of technique and standard practice with elements of creativity. The Course allows learners to engage with technologies. It allows learners to use a variety of tools, equipment and materials. It helps learners develop practical skills in numeracy. The aims of the Course are to enable learners to develop:

- skills in woodworking & metalworking techniques
- skills in measuring and marking out timber & metal sections and sheet materials
- safe working practices in workshop environments
- practical creativity and problem solving skills
- knowledge of sustainability issues in a practical woodworking & metalworking context

Completion of the S3 course will enable learners to progress to National 4 or 5 Woodwork or Metalwork in S4.

## **RMPS (Religious, Moral and Philosophical Studies)**

In addition to core RME, students can also study Religious, Moral and Philosophical Studies as a Learning Option. Through this, students will develop their skills in questioning, investigating and evaluating different religious and non-religious views and opinions about important issues in our world today.

Students will study the following topics: Introduction to Philosophy; Gender Issues and Equality; World Religion (chosen from one of the six major faiths). They will engage in philosophical enquiry and discussion activities in order to begin to express their own views and opinions on these topics. Students will also complete a variety of written exercises in order to further develop their skills and prepare them for national qualifications.

Successful completion of this course in S3 allows students to progress to National 4/5 RMPS in S4.

## **Travel and Tourism**

Travel and Tourism allows students to independently research tourist destinations in Scotland and around the world. Students will also investigate the impact of different types of tourism in a range of environments and locations. Students will also be introduced to employability and customer service skills throughout the course.

## **Youth Achievement Award (Bronze Level)**

The programme is based on a series of challenges and targets that the students set and complete individually in order to gain a pass in each section attempted. As a part of the Wider Achievement programme students must take responsibility for their own learning, setting targets in groups centred upon main themes such as Citizenship and Community Safety.

Within the programme all students will gain invaluable experience in team work through a range of practical activities, visits, outdoor work and enterprise projects. Students will maintain their own portfolio of evidence and peer assess prior to formal assessment by Scottish Youth.

# **Skills Options**

## **Introduction to Accounting and Finance**

The Accounting function is the lifeblood of organisations. If you like the idea of working with numbers, problem solving and gaining a greater understanding of how to manage cash then this is the course for you. This elective combines practical and theoretical aspects of Accounting along with elements of personal finance and budgeting. It also develops key skills such as: communication, problem solving, planning and ICT.

Students will have the opportunity to compete in the Student Investor Challenge in a bid to win the top prize of a trip to New York. They will also work as part of a team to solve financial problems faced by a mock business and present their solutions to a panel of judges.

Throughout the course you will learn:

- The role of an accountant and the variety of jobs that they do.
- How to prepare, present, interpret and analyse accounting information.  
e.g. cash budgets for individuals and businesses, statement of financial positions etc.
- What it would be like to trade on the stock market.
- How to solve financial problems and present solutions.
- How to apply IT in accounting related tasks.

The course develops many transferable skills which helps prepare learners for everyday life, the world of work or a further study of accounting and other business-related courses.

## **Business Enterprise**

Think you've got what it takes to make it in Business?

This dynamic elective will test your teamwork, communication and entrepreneurial skills as you work to creatively develop a business concept into a sustainable project. Working in a small group you will develop your idea, launch your business and following in the footsteps of businesses like The Big Issue, Social Bite, Jamie Oliver's restaurant -Fifteen and Divine Chocolate, you will learn about the benefits and importance of having socially responsible objectives and provide you with the experience to change people's lives locally or internationally.

## **Cyber Security**

Cyber Security in S3 will provide foundation knowledge and skills in data security, digital forensics and ethical hacking. The course is designed as an introduction to the world of cyber security and provide a skills pipeline into the cyber security industry.

Students will learn how to improve their cyber hygiene and how to identify security weakness safely, legally and ethically. They will also learn how to contribute more safely to virtual communities.

The aim is to produce knowledgeable and skilled individuals who are aware of the potential misuses of, and unauthorised access to, computer systems and are equipped with the fundamental skills and knowledge to continue to study Cyber Security as a National Progression award (NPA) in S4 and beyond.

## **Duke of Edinburgh – Bronze Award**

The Duke of Edinburgh course will take you through all the requirements you need to complete your Bronze Award. As well as learning all you need to know to be able to undertake a walking and

camping trip, you will work through 3 other activities in your own time: volunteering; physical; and skills

Do you want to take part in the world's leading youth achievement award – push personal boundaries, gain new skills and enhance your CV and university/ job applications? If so, this course is for you. You will be required to complete an application form for entry to the course and enrol with the Duke of Edinburgh Award (£17) at the start of the course.

## **Electronics**

This challenging, interesting and fun short course focuses on developing key skills by constructing electronic circuits. Using soldering irons, breadboards and semiconductor components you will undertake projects and build a variety of small electronic devices. Following the same process as electronic engineers, you will design and test these circuits using computer simulation and then construct the circuits on solderless prototype boards.

Finally you will solder the circuit onto veroboard to make a permanent and reliable device. Over the twenty weeks (40 hours) this will lead to a more complex project where you will design, test and build a set of sequenced flashing LED Christmas lights with the timing controlled by integrated logic circuits. Success in this course will enable you to achieve the prestigious British Science Association Crest Silver Award.

## **John Muir Award**

The John Muir skills option is a fun and interesting way to learn more about the local environment, the wildlife present and to take steps to ensure it is looked after. There are four parts to the award: Discover a wild place; Explore it; Conserve it; Share your experience. All students who take part will be awarded a John Muir Award certificate. To gain an 'Explorer' award, it's a 48 hour commitment, and a 'Discovery' Award is a 24 hour commitment that can be achieved through work in class, through outdoor learning and also using ICT.

## **Introduction to First Aid & Sign Language**

A basic and practical guide to first response including first aid kits, recovery position, CPR, emergency procedures and general first aid. You will also take part in an introduction to British Sign Language including finger spelling, basic phrases and hearing impairment awareness. The course will be practical and informative, securing important life skills for students.

## **Modern Languages for Life and Work**

This option offers learners opportunities to develop and extend a wide range of skills and attributes, including communication, self-awareness and confidence and independent learning. Learners will develop the ability to interact and collaborate with others in vocational and cultural contexts.

## **Pottery Ceramics and Sculpture**

Learn new skills in Pottery, Ceramics and Sculpture. You do not have to have any experience of working with clay before, and you do not need to be able to draw to do this course. You will have fun and learn new skills. You can try working on a potter's wheel, or using moulds to make your work. Take your inspiration for your work from the natural world, or from the architecture of Charles Rennie Mackintosh or Gaudi. You will learn how to make and decorate your sculptures using a slab techniques and hand building using coils. You have choice of what you do, and you will start off with simple techniques and quickly progress onto using more complicated techniques.