



GCSE Art and Design

Is this course for me?

You should enjoy practical activities such as drawing, painting and making.
You could have an interest in exploring your creativity and appreciate that of others.
You will have enjoyed your Art lessons and found aspects of Art interesting.
You may have an interest in pursuing a career in Art and Design.

What will we study?

You will explore a range of exciting techniques and processes in both two and three dimensions. You will have the opportunity to draw, paint, print and make whilst working in such media as card, watercolour, acrylic and inks. You will learn about the work of incredible artists and designers, both historical and contemporary, and you will explore their techniques and concepts. These opportunities will help to define the kind of artist that you want to be.

You will create a number of projects across the course and these will form your coursework. This will count for 60% of your final grade.

You will then undertake a project set by the exam board and this will comprise the remaining 40% of your grade.

Art is exciting, it allows you freedom to think independently and explore your own ideas! It is also a unique subject as it requires 100% practical application- there is no written exam.

Where can this take me?

Art is the key subject to study if you wish to embark upon a career in Art and Design. Art will prepare you for areas such as Architecture, Fashion, Interior, Graphic and Textile Design, Concept Art, Games Design and Fine Art. Universities look for students who have skilful, creative and individualistic portfolios. Our teaching will enable you to develop these skills and guide you towards the right course for you. We have many students who have left our department to pursue opportunities in these areas and are now working successfully in these careers.

Where can I find more information?

Our team:

dquigley@stjohns.bhcet.org.uk nkipling@stjohns.bhcet.org.uk ddeverell@stjohns.bhcet.org.uk

Useful links: <https://filestore.aqa.org.uk/resources/art-and-design/AQA-GCSE-ART-STUDENT-GUIDE.PDF>



GCSE Computer Science

Is this course for me?

- Do you have a passion for technology and would like to explore the inner workings of computers?
- Are you interested in programming and creating your own programs?
- Are you a logical thinker and are able to problem solve?

What will we study?

In component 1 students will study the inner workings of a computer including the central processing unit (CPU), computer memory and storage, data representation, wired and wireless networks, network topologies, system security and system software. Students will also look at ethical, legal, cultural and environmental concerns associated with computer science.

In component 2 students will develop their skills and understanding in computational thinking by writing algorithms, programming techniques, producing robust programs, computational logic and translators.

Students are also given the opportunity to undertake a programming task during their course of study which allows them to develop their skills to design, write, test and refine programs using a high-level programming language. Students will be assessed on these skills during the written examinations, in particular component 02 (section B).

Where can this take me?

- A career in IT/Computer Science including jobs such as IT support and Programmer
- To give students a foundation to be able to study A Level Computer Science
- Skills for other courses such as Game Development and Networking

Where can I find more information?

Speak to Mr Minton, Head of Computing or email dminton@stjohns.bhcet.org.uk

OCR GCSE Specification

<https://www.ocr.org.uk/Images/558027-specification-gcse-computer-science-j277.pdf>

CNAT Creative iMedia

Is this course for me?

- Do you enjoy being creative with a variety of software?
- Are you interested in designing your own games?
- Do you feel you're more suited to coursework rather than final exams?

What will we study?

R093 - This is an **exam unit** where you will sit an exam covering creative iMedia in the media industry. It will develop student's understanding of the media industry sector and products, job roles, research and documents that can help aid planning. The written exam is out of 70.

R094 - The aim of this unit is for learners to understand the basics of digital graphics editing for the creative and digital media sector. This unit is coursework graded and is compulsory.

R097 - This unit will enable learners to understand the basics of interactive products where students will plan, create and test an interactive digital product to meet the clients requirements.

Where can this take me?

- Cambridge Technicals Level 3 in IT
- Computer Game Design Level 3
- ICT Apprenticeship

Where can I find more information?

<https://www.ocr.org.uk/Images/610942-specification-cambridge-nationals-creative-i-media-j834.pdf>

Contact Mr Minton (Head of Computing) or email dminton@stjohns.bhcet.org.uk

GCSE Drama

Is this course for me?

You will have an interest in performing, directing or theatre design (costume, set, lighting or sound). You will be interested in learning about the theatre and watching live performances of a range of plays. You will be interested in studying and exploring a range of plays and theatrical styles through practical workshops and written analysis.

What will we study?

The GCSE Drama course is divided into three components:

Component 1: Understanding Drama (written exam 40%)

Students will learn about different types of staging, technical design elements (lighting, sound, set, costume, puppets) and roles within a professional theatre. They will study the play *Blood Brothers* via practical work alongside written responses focused on costume design, set design and performance. They will also watch a range of live theatre performances, both digitally and in person, and learn how to analyse and evaluate these performances. This component is assessed via a written exam at the end of Year 11 and is **worth 40% of the GCSE**.

Component 2: Devising Drama (practical 10% and written 30% coursework)

Students will explore a range of theatre styles and practitioners via practical workshops and then work in groups to create their own piece (10%). Students may contribute as a performer or designer. They will then produce an accompanying written log (30%) where they analyse and evaluate their own work. This component is assessed at the end of Year 10 and moderated by AQA and is **worth 40% of the GCSE**.

Component 3: Texts in Practice (practical exam 20%)

Students will explore and perform two extracts from a play of their choice, either as a monologue, duologue or group performance. Students may contribute as a performer or designer. This component is assessed by a visiting examiner towards the end of Year 11 and is **worth 20% of the GCSE**.

Where can this take me?

- Students who have studied GCSE Drama have gone on to study the subject at A Level and beyond with degrees in everything from Musical Theatre to Costume Design.
- Careers in Drama include jobs in theatre, television, film and education, but the skills embedded within Drama can be applied to any job involving communication, public speaking, team work or creativity, making it a very desirable and useful GCSE.

Where can I find more information?

Miss Bell. Head of Performing Arts - rbell@stjohns.bhcet.org.uk

AQA Specification-

<https://filestore.aqa.org.uk/resources/drama/specifications/AQA-8261-SP-2016.PDF>



WJEC Level 1/2 Hospitality & Catering

Is this course for me?

Vocational Award in Hospitality and Catering will develop students' knowledge and understanding of the Hospitality and Catering sector and provide them with opportunities to develop associated practical skills. It covers the hospitality and catering industry and hospitality and catering in action.

What will we study?

The course is broken down into:-

- The hospitality and catering industry
- Hospitality and catering providers
- Working in the hospitality and catering industry
- Working conditions in the hospitality and catering industry
- Contributing factors to the success of hospitality and catering provision
- How to prepare and make dishes including presentation techniques
- Health and safety in hospitality and catering provision, food safety, and understanding the importance of nutrition

Assessment:

Unit 1: The hospitality and catering industry Written examination: 1 hour 20 minutes 40% of qualification

Unit 2: Hospitality and catering in action Controlled assessment: approximately 12 hours 60% of qualification

Where can this take me?

Upon completion of this course students can pursue a career in catering, hotel management, the food industry including work on cruise ships, hotels and airline catering. With further study students could work in product development creating food products for major retailers

Where can I find more information?

Speak to Mrs Maddison directly for more information on the course and potential career pathways.

Email: lmaddison@stjohns.bhcet.org.uk

WJEC: <https://www.wjec.co.uk/umbraco/surface/blobstorage/download?nodeId=36667>



GCSE Geography

Is this course for me?

Geography helps us to explore and understand Planet Earth, recognising the great differences in cultures and natural environments across the world, and exploring the links between them. Geography is an education for life and for living. With the growing importance of issues such as climate change, migration and environmental damage, geography is one of the most relevant courses you could choose to study. Above all, geographers have potential to be well-informed global citizens, using their unique combinations of knowledge and skills to make a positive difference in the world.

What will we study?

At St John's we study the AQA Geography which is comprised of the following units:

Paper 1: Living with the Physical Environment (35% of GCSE)

The Challenge of Natural Hazards (Volcanoes, Earthquakes, Weather Hazards)

The Living World (Ecosystems, Rainforests, Deserts)

Physical Landscapes in the UK (Coasts, Glaciation)

Paper 2: Challenges in the Human Environment (35% of GCSE)

Urban Issues and Challenges (Growth of cities, Issues in Mumbai, Issues in London)

The Changing Economic World (Development, Nigeria's Economy, UK's Economy)

The Challenge of Resource Management (Food, Water and Energy)

Paper 3: Geographical Applications (30% of GCSE)

Issue Evaluation and Fieldwork. Fieldwork visit to Whitburn and Seaham.

Where can this take me?

GCSE Geography naturally leads on to studying the topic at A-Level. At A-Level, geography is a facilitating subject meaning it is more commonly required to access a range of degree courses at top universities. Geographers are highly employable due to the diverse nature of the skills covered in the course. Visit the following website to learn more about careers linked to geography: <https://icould.com/stories/careers-in-geography/>

Where can I find more information?

Contact Mrs Hannant - ahannant@stjohns.bhcet.org.uk

Visit AQA website

<https://www.aqa.org.uk/subjects/geography/qcse/geography-8035/specification-at-a-glance>



CNAT in Health & Social Care

Is this course for me?

You will need to have an interest in the care sector, roles of professionals and how they support individuals

An interest in health and well-being

Enjoy keeping up to date with real life cases related to health and social care

What will we study?

CNAT Health and Social Care is delivered over 2 years and covers a range of topics. The course is split into 3 sections which are delivered as follows:

Unit 1 (coursework)- Supporting individuals through life events: In this unit you will learn about life stages and the factors that affect them. You will understand expected and unexpected life events and the impact they will have on physical, social/emotional and socio-economic aspects in an individual's life. You will research the service providers and practitioners that can support individuals, recommend support and justify how this will meet the needs of a specific individual.

Unit 2 (coursework) -Health promotion campaigns: In this unit you will have the opportunity to explore the various public health challenges the country faces, the approaches used to encourage health and wellbeing and the importance of this to society. You will understand the factors affecting a healthy lifestyle so that campaigns can be designed to target different groups of people. You will also learn how to plan and deliver your own small-scale health promotion campaign.

Unit 3 (exam) -Principles of care in health and social care settings: In this unit you will learn about the importance of the rights of service users, person-centred values and how to apply them. You will also learn about the importance of effective communication skills when providing care and support for service users in health and social care settings and the procedures and measures used to protect individuals such as safeguarding, hygiene and security.

Where can this take me?

- This course is an excellent preparation for anyone wanting to study Health and Social Care further at KS5 or further at degree level.
- Can help prepare students for a career in nursing, midwifery, teaching, health promotion, care assistants, mental health work and more

Where can I find more information?

Mrs Quicke - Head of Health and Social Care- lquicke@stjohns.bhcet.org.uk

Course website:

<https://www.ocr.org.uk/qualifications/cambridge-nationals/health-and-social-care-level-1-2-j835/>



GCSE History

Is this course for me?

History isn't just reciting lists of dates or knowing when the Battle of Hastings took place. It's about understanding why those events mattered in both national and international contexts. Historians are challenged to examine past events, explore their historical context and understand the impact they have on the present. Through extensive study, they develop a great foundation of general knowledge of historical events.

What will we study?

Our GCSE History course is comprised of four units that will be taught over years 10 and 11. The four units are then examined across three papers at the end of year 11. The four units covered are:

Paper 1: Thematic study and historic environment:

Medicine in Britain, c1250–present and The British sector of the Western Front, 1914–18: injuries, treatment and the trenches.

Paper 2: Period study and British depth study:

Superpower relations and the Cold War, 1941–91.

Early Elizabethan England, 1558–88.

Paper 3: Modern depth study:

The USA, 1954–75: conflict at home and abroad.

Where can this take me?

Studying history can lead on to some exciting career options, including: • Journalism • Law • Business • Politics • Archaeology • Marketing • Teaching. History is known as a facilitating subject, meaning that it opens the door to countless possibilities.

Where can I find more information?

Contact Mr Hutchinson - shutchinson@stjohns.bhcet.org.uk

Visit Edexcel website

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/history-2016.html>



GCSE Media Studies

Is this course for me?

You will need to be interested in how the Media influences and shapes the modern world. You might be interested in a variety of different media forms and how they are constructed. You may be looking to apply creative skills in the creation of your own media products.

What will we study?

GCSE Media is a two year course consisting of 3 units. There are 2 externally assessed exams at the end of Year 11 and a NEA internal assessment.

Unit 1- Exploring the Media

Students will cover a range of Media forms, focusing on the core strands of GENRE, NARRATIVE, REPRESENTATION, INDUSTRY and AUDIENCE. The media forms covered include: Magazines, Newspapers, Advertisements, The Film Industry, Gaming and Radio.

Unit 2- Understanding Media Forms and Products

Students will cover set texts in depth with a focus on Television Crime Drama and The Music Industry.

Unit 3- NEA Brief

We will receive your NEA task in March of Year 10. You will need to research, plan and create a media product to a set brief. Previous examples have included: Music videos, Film promotional campaigns, Magazine front covers and articles etc.

Where can this take me?

Students who have taken GCSE Media Studies have gone on to study the subject at A-Level and beyond. Careers in the media include: Journalism, Social Media Management, Graphic Design, Public Relations, Marketing, Film etc.

Where can I find more information?

Eduqas Course Website:

https://www.eduqas.co.uk/qualifications/media-studies-gcse/#tab_overview



GCSE MFL (Spanish and French)

Is this course for me?

- If you have a passion for understating other cultures and customs
- If you like to travel, meet new people and participate in exciting international projects
- If you aim to go to a top Russell Group University

What will we study?

GCSE MFL is delivered over 2 years and covers a range of linguistic skills. There are three themes covered over the duration of the course which develops the four main skills of language learning: Reading, Writing, Listening and Speaking.

Theme 1

- People and lifestyle
- Topic 1: Identity and relationships with others
- Topic 2: Healthy living and lifestyle
- Topic 3: Education and work

Theme 2

- Popular culture
- Topic 1: Free time activities
- Topic 2: Customs, festivals and celebrations
- Topic 3: Celebrity culture

Theme 3

- Communication and the world around us
- Topic 1: Travel and tourism, including places of interest
- Topic 2: Media and technology
- Topic 3: The environment and where people live

Where can this take me?

- This course is an excellent preparation for anyone wanting to study languages further at KS5 in A-level or at degree level.
- Languages can help develop communicative skills as well as open doors to a wide variety of careers and are viewed very favourably by top universities and all employers.

Where can I find more information?

Mr Robertson - Curriculum Research and Development Lead- probertson@stjohns.bhcet.org.uk
MFL Specification [GCSE French Specification for first teaching in 2024: Specification \(aqa.org.uk\)](#)



GCSE Music

Is this course for me?

You should play/be willing to learn an instrument or sing & have the drive to develop your performance skills. You should enjoy listening to a wide variety of styles of music, and know how to describe musical features confidently, showing your enthusiasm for music you know *and* new music. You will be keen and curious to write your own music or songs, working with other students and staff collaboratively and creatively.

What will we study?

The Eduqas GCSE Music course has 3 components: Performing, Composing & Appraising (listening).

Component 1: Performing 30% (NEA)

You will perform a minimum of 2 pieces: one must be a solo and the other must be performed as part of an ensemble. A Grade 3 standard of playing can score full marks if played perfectly. You can perform on any instrument or voice, or use technology as an option. Performances are recorded in Y11 and externally moderated.

Component 2: Composing 30% (NEA)

You will create 2 pieces of music: one set to a brief defined by the exam board and another 'free' composition, allowing you to write a piece of your own choice. Both develop your skills in creating chords sequences, developing strong melodies, writing for a variety of instruments and voices, effective lyrics and also to consider an appropriate structure. Compositions are submitted at the end of Y11 and externally moderated.

Component 3: Appraising 40%

At the end of the course, you will sit an exam consisting of questions based on specific Areas of Study:

AoS1 - Musical Form & Devices, including the analysis of a set work by Bach. You will study music from the Baroque, Classical and Romantic eras through performance, appraising and composition.

AoS2 - Music for Ensemble includes the study of Jazz & Blues, Musical Theatre & Chamber music.

AoS3 - Film Music, exploring and analysing how film composers use a variety of compositional techniques and musical themes in order to create a certain effect.

AoS4 - Popular Music, considering music from 1950 to present day, and what impact technology has had on the development of music over this period of time. You will also study a set work by Toto.

Where can this take me?

Students studying Music may go on to study A-Level Music or other Music/performance related courses, such as Music Technology. Creativity is one of the most in-demand and important skills in the workplace. Studying Music will allow you to develop your creativity, improve wellbeing, self expression, communication, and confidence. Past students have gone on to study Music at prestigious colleges in Manchester and London, whilst others have explored music in other ways, performing in festivals, managing recording studios or playing in a band. Jobs in media, theatre, film and television all recognise the value of music education, where you can study something you love!

Where can I find more information?

Miss Bell, Head of Performing Arts: rbell@stjohns.bhcet.org.uk

Eduqas Website for the Music specification:

https://www.eduqas.co.uk/qualifications/music-gcse/#tab_overview

Benefits of studying music <https://www.classicfm.com/music-news/why-study-music-beyond-gcse/>



GCSE Photography

Is this course for me?

- Have an interest in Photography and be prepared to regularly take photographs in your own time.
- Would like to follow a career in Photography, Art or Design.
- You must have a lively, creative mind and be eager to appreciate Art and Photography in its wider sense through visiting galleries, museums and being aware of Art-related issues, architecture, design and craftwork.

What will we study?

Course content: The GCSE course is split into two aspects: the coursework and the externally set project/exam. The coursework is made up of a minimum of two projects (units of work). The units all fit a particular theme and consist of exploratory photography, introducing a range of photographers/artists, as well as photography techniques and processes. Students will then modify and refine their work as deadlines approach, ensuring that their work is the best work that they can produce at all times.

Throughout the course students will gain experience and confidence in using a wide range of photography techniques including how to use a camera, how to successfully implement the visual elements within their image making and both digital and physical manipulation of work.

The final part of year two involves students producing a body of work, based on a theme set by the exam board.

Throughout the two years we aim to take students on visits to take images and understand the work of others through gallery visits. We also aim to complete a unit of work with a visiting artists in residence or practical workshops at universities or in darkrooms at least once over the two year course. All work completed in visits, galleries, workshops and darkrooms help students gain deeper knowledge and understanding of the world of Art/Photography.

Assessment: Coursework makes up 60% of the final mark and the ten-hour examination unit makes up the remaining 40% of the mark. Work is assessed by an AQA Moderator. AQA offer GCSE grades 9-1.

Where can this take me?

This course is wonderful preparation for anyone wanting to study photography A-Level and further studies on an Art foundation course or degree level.

If you are interested in the following careers then this course is ideal for you: Professional photographer, Camera Operator, Film and Video Editor, Advertising Director and more.

Where can I find more information?

Mr Quigley - Head of Art [_dquigley@stjohns.bhcet.org.uk](mailto:dquigley@stjohns.bhcet.org.uk)

Course information -

<https://www.aqa.org.uk/subjects/art-and-design/gcse/art-and-design-8201-8206/subject-content/photography>



GCSE Physical Education

Is this course for me?

- You will need to have a passion for sport and keeping up with contemporary issues
- An interest in science and in particular the human body
- Participate in sports outside of school and maintain this through KS4

What will we study?

The GCSE PE is delivered over 2 years and covers a range of activities. There are two papers sat at the end of Year 11. This makes up 60% of the course. The other 40% is practical assessment of three activities and a piece of written coursework.

The following content is covered.

1. Applied anatomy and physiology
2. Movement analysis
3. Physical training
4. Use of data
5. Sports psychology
6. Socio-cultural influences
7. Health, fitness and wellbeing

Students are also assessed on their practical performance in three activities. This can be two team and one individual or one individual and two team activities. Students need to be taking part in Physical Activity outside of school.

Where can this take me?

- This course is an excellent preparation for anyone wanting to study sport further at KS5 in A-level or BTEC or further at degree level.
- This sport can prepare students for careers in sport including - Physiotherapy, nutrition, sport psychology, coaching, PE teaching and many more.

Where can I find more information?

Mr Turnbull - Head of PE - aturnbull@stjohns.bhcet.org.uk

AQA Specification [GCSE Physical Education Specification Specification for first teaching in 2016](#)

Curriculum Intent [Physical Education - Curriculum intent and rationale](#)



Level 1/2 Retail

Is this course for me?

It is for anyone who has an interest in business. Every organisation markets and advertises itself from charities, online only businesses, Government funded bodies eg NHS all use the marketing and advertising techniques taught on the course

What will we study?

You will learn about how retailers market and advertise their businesses. You will also learn how shops create new products to meet the changing demands of customers to help them increase sales and profits. You will study different types of retailers and how to make them better businesses. Also how new technology such as social media has been used more and more as a marketing tool to advertise and promote brand names.

You will be assessed in the following 3 units;

1. Unit 1 Retail Business. 90 minute exam worth 40% of final grade
2. Unit 2 Customer Service. Controlled Assessment worth 30% of final grade
3. Unit 3 Retail Operations. Controlled Assessment worth 30% of final grade

Where can this take me?

- It will allow you to work in many different types of businesses not just retailers
- Learning about how new technology is used by businesses will teach you about marketing and advertising

Where can I find more information?

Come along to talk to us on Options Evening

<https://www.wjec.co.uk/umbraco/surface/blobstorage/download?nodeId=36680>



CNAT Sport Science

Is this course for me?

- Do you have a passion for sport and are interested in a future career in the industry?
- An interest in technology and science in sport, particularly the human body
- Do you prefer project work rather than exams?

What will we study?

The Cambridge National Sports Science course is made up of three units.

R180 - Reducing the risk of sports injuries and dealing with common medical conditions -

This unit makes up 40% of your final grade and is assessed as an examination that will take place at the end of Year 11. This unit will develop your understanding of a range of sports injuries and how to best treat them.

R181 - Applying the principles of training: fitness and how it affects skill performance -

This unit makes up 40% of your final grade and is assessed as an assignment. You will develop your understanding of the components of fitness, training methods and principles of training. You will also produce and evaluate a 6 week training programme. This unit will involve both classroom based lessons and practical lessons.

R183 - Nutrition and sports performance - This unit makes up 20% of your final grade and is assessed as an assignment. You will develop your understanding of a balanced diet and the role that diet plays in different sports and activities. You will also analyse a sports performers diet and produce a diet plan that considers their unique needs.

Where can this take me?

- This course is excellent preparation for anyone wishing to study BTEC Sport at KS5 or further at degree level.
- This sport can prepare students for careers in sport including - Physiotherapy, nutrition, sport psychology, coaching, PE teaching and many more.

Where can I find more information?

Mr Turnbull - Head of PE - aturnbull@stjohns.bhcet.org.uk

Cambridge National Sport Science -

<https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-science-level-1-2-j828/>



GCSE Statistics and Level 2 Extended Maths Certificate

Is this course for me?

Statistics and Extended Maths is a fantastic opportunity for those of you who are mathematically or logically inclined. Statistics is about making decisions when there is uncertainty, developing the skills to collect, analyse, interpret and present data. The Extended Maths Certificate takes Higher GCSE Maths and takes it to the next level - extending the content you will study and bridging the gap to A Level Maths.

What will we study?

In Year 10, you will study GCSE Statistics. There are two papers sat at the end of Year 11. Both papers are calculator papers and worth 50% each.

The following content is covered.

1. Collection of data - planning, types of data, population and sampling and collecting data.
2. Processing, representing and analysis data - representing data pictorially, interpret and compare data, measures of central tendency, measures of spread, measures of dispersion, further summary statistics, scatter graphs and correlation, time series, quality assurance and estimation.
3. Probability - calculate probabilities, independent and conditional probability, Binomial distribution and Normal distribution

In Year 11, you will study Level 2 Extended Maths Certificate. There are two papers sat at the end of Year 11, one calculator and one non-calculator and worth 50% each.

The following content is covered.

1. Number - Negative and fractional indices, surds, rationalising the denominator
2. Algebra - expand and factorise quadratic and cubic expressions, algebraic proof, composite and inverse functions, calculate and estimate gradients of, and area under curves
3. Geometry - circle theorems, trigonometry (right angled and non-right angled), vector proofs
4. Probability - sets and combinations, tree diagrams

Where can this take me?

- If you aspire to work in a role that requires handling data then GCSE Statistics is an obvious choice for you. There are plenty of jobs that involve handling data including epidemiologist, public affairs manager, biostatistician, research psychologist, marketing and many more.
- If you wish to study A Level Maths/Further Maths, the Extended Maths Certificate helps bridge the gap between GCSE and A Level. Mathematics can lead to a wide range of jobs including Climate Scientist, Actuary, Software Engineer or even Astronaut!

Where can I find more information?

Miss Devlin Head of Maths ldevlin@stjohns.bhcet.org.uk

Course website [Edexcel GCSE Statistics \(2017\) | Pearson qualifications](#)



GCSE Three Dimensional Design - Product Design

Is this course for me?

- You should be interested in practical activities such as designing, modelling and making 3D products experimenting with a range of materials such as card, wood, plastic and metals
- You should have an interest in learning to communicate your ideas in a variety of ways; sketching, model making, CAD, and practical construction techniques

What will we study?

GCSE 3D Design - Product Design is studied over 2 years. This course replaces GCSE Design Technology.

This course is designed to encourage students to try different ideas and manufacturing techniques and to take a creative approach to product design. In Year 10 students complete several focused practical tasks to develop their skills and understanding of different materials and processes. Students will explore materials and learn how to sketch, model and manipulate materials to make products. They will research the world of designers to help them develop ideas and final products. Students will experiment with concepts and design and make functional products such as lighting and furniture. The course is project based and students will complete 2 units of project based work (one in year 10 and one in year 11). In the final term of year 11 they will complete an exam board set project to complete their GCSE qualification.

Where can this take me?

- This course is excellent preparation for anyone wanting to study Design or Engineering further at KS5 A-level or equivalent.
- This course will also prepare students for apprenticeships in Design related subjects and further careers in Architecture, Engineering, Product Design, Furniture Design, Interior Design, Set Design

Where can I find more information?

Mrs Watson - pwatson@stjohns.bhcet.org.uk

Edexcel Specification - <https://qualifications.pearson.com>



GCSE Triple Science

Is this course for me?

This course is for people who really want to know more about the Sciences. For each module studied in Combined Science we go a bit deeper into it and make more links to real world Science application. Elite Universities can require students to have studied Triple Science for entry onto courses such as Veterinary and Medicine. Please talk to your Science teacher about how well the course would suit you, their endorsement will be needed for your application.

What will we study?

Instead of 2 Combined Science GCSEs you will gain one GCSE in Biology, one in Chemistry and one in Physics.

The same basic content in each Science is covered as in the combined Science GCSE but extra content includes:

Biology- The human eye and brain, Uses on monoclonal antibodies, Homeostasis in action- The Kidneys, Stem cells and Cloning and Sustainable Ecosystems.

Chemistry-The Transition Elements, Chemical cells and Batteries, Further Organic Chemistry, Chemical Analysis and Using the Earth's resources.

Physics-Nuclear Radiation in Medicine, Nuclear Fission and Fusion, Light colour and Lenses. Space and Star formation.

Where can this take me?

The course is designed for students who want to go on to study Science at A- level to degree and beyond. Elite Universities can require students to have studied Triple Science for entry onto courses such as Veterinary and Medicine.

It makes excellent preparation for careers in Science, Engineering, Medicine or Biotechnology.

Where can I find more information?

Dr E Mulligan- Head of Science - emulligan@stjohns.bhcet.org.uk
Course website - <https://www.aqa.org.uk/subjects/science>