

YEAR 10 WHAT WILL MY CHILD LEARN THIS TERM?

**SOUTH
HUNSLEY**
inspire · aspire

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HUNSLEY**
Sixth Form

ART & PHOTOGRAPHY

Art

This term your child will start their portraiture coursework where we are focusing on refining what students have learnt in Key Stage 3 and pushing students to reflect critically on how they can improve. Students will start by focusing on facial features before building up to a whole portrait using pencil. Students will then go on to explore the formal elements within portraiture.

Photography

This term your child will start their still life coursework where we are studying a range of photographers who cover a variety of skills and techniques. Students will learn how to manually use the camera, set up a successful shoot and then how to edit appropriately.

BUSINESS

Students in Year 10 will begin the year studying a theme titled 'Investigating Small Business'. Theme 1 concentrates on the key business concepts, issues and skills involved in starting and running a small business. It provides a framework for students to explore core concepts through the lens of an entrepreneur setting up a business. In this theme, students will be introduced to local and national business contexts and will develop an understanding of how these contexts impact business behaviour and decisions. Students will cover the following topic areas:

Enterprise and Entrepreneurship

Students are introduced to the dynamic nature of business in relation to how and why business ideas come about. They also explore the impact of risk and reward on business activity and the role of entrepreneurship.

Spotting a Business Opportunity

Students will explore how new and small businesses identify opportunities through understanding customer needs and conducting market research. They will also focus on understanding the competition.

CHILD DEVELOPMENT

Students in Year 10 will begin the year studying and investigating human reproduction and fertility from a biological perspective including both male and females. This will allow them to use this knowledge to study factors that affect reproduction, such as: pre and post-conceptual factors, screening techniques and pre and post-birth requirements.

COMMUNITY & PERSONAL

Students in Year 10 will begin the year studying topics around how they can take care of their own health and well-being. This will include lessons around alcohol and binge drinking, drugs and self-harm. Later this term, students will complete Religious Studies topics found in the RS section.

COMPUTING

GCSE Computer Science

During this term students will start to develop their programming skills. Looking at different levels of programming languages and focusing on the three pillars of programming: sequencing, selection, and iteration. In the theory side of the course, they will start to study the fundamentals of computer systems which will include looking at the role of hardware, software, and the components in a computer.

BTEC Digital Information Technology

Students will start to work on their preparation for Component 2 – Collecting, Presenting and Interpreting Data. Students will develop their understanding of the characteristics of data and information and how they help organisations in decision making. They will use data manipulation methods to create a dashboard to present and draw conclusions from information. Students will be using the software application Microsoft Excel for this element.

DESIGN & TECHNOLOGY

Design and Technology:

Students will develop their knowledge and understanding of drawing and communication skills, learning and applying their skills in Isometric, 1 point perspective, 2-point perspective, crating, shading and rendering and the use of CAD. They go on to develop their knowledge of timbers and electronics, manufacturing a lamp using these materials and components.

Engineering:

Students will develop their knowledge and understanding of engineering design through the use of Computer Aided Design (CAD) software. Students also learn about the ACCESS FM criteria which will be used in their work in the second half of the term.

In the second half of the term students will begin their first piece of Non-Exam Assessment work which will contribute towards 30% of their final grade using a context from the exam board as starting point. Students will be required to use analyse a range of existing products using the ACCESS FM criteria as well as observing a product disassembly and then analysing a product in more detail.

Textile Design:

Students will develop their knowledge, understanding and application of textiles art using architecture as a starting point. They will create and develop samples in the style of artists and designers using a range of surface pattern using pattern and fabric manipulation techniques.

Food Preparation and Nutrition:

Students will learn about the nutrition, focusing on protein, fats and carbohydrates and then vitamins, minerals and hydration. Students develop their knowledge of the chemical properties of these nutrients, their functions and the effects of deficiency and excess. Throughout the term students will develop a wide range of cookery techniques, cooking each week.

DRAMA

Students in Year 10 will begin their GCSE curriculum study by completing a baseline performance assessment, which will be a short extract of the play "The IT" by Vivienne Franzmann. Students will then develop their creativity and collaboration by working as an ensemble to bring to life a larger extract of the play. Later this term, students will explore a range of theatre practitioners.

ENGLISH

Year 10 students will spend the term studying one of their GCSE English Literature exam texts, the Victorian novella, Jekyll and Hyde, by Robert Louis Stevenson. Concurrently, they will continue to develop their analysis of fiction and their writing of fiction, a key aspect of English Language Paper 1. At various points in the term, students will also learn how analyse and respond to unseen poetry in preparation for a component of their Literature GCSE.

GEOGRAPHY

Students this term will be studying weather which includes learning about why our world has a number of different climates and studying weather hazards such as tropical cyclones and drought and the impact these have in both developed and developing countries. Students will also study changing cities, where they will learn about the development of cities around the world and focus on the difference between developed and developing areas.

HISTORY

Students have begun their study of Medicine in Britain 1250-Present. Students will study how medieval medicine was practiced including what they thought caused illness and disease, their approaches to treat and prevent illnesses and methods of caring for the sick. Students will investigate the Black Death as an example of how medieval medicine was practiced during this time period.

MATHS

Students in Year 10 will begin the year studying ratio and proportion. This will include expression two quantities as a ratio, combining ratio, sharing into a ratio and direct and inverse proportion. Later in the term, students will study statistics which will include the difference between different types of data, how to construct and interpret many different charts and diagrams, calculate averages and the range.

MODERN FOREIGN LANGUAGES

In Year 10 students will learn vocabulary and structures connected to the following topics:

- Identity and relationships with others
- Healthy living and lifestyles
- They will consolidate and build on the vocabulary and grammatical structures covered in KS3 and they will continue to work on the 4 skill areas of listening, speaking, reading and writing.

MUSIC

The Year 10 curriculum for AQA GCSE Music is designed to provide students with a comprehensive understanding of music theory and practical skills. Students will learn about music notation, harmony, rhythm, and melody, and develop their skills in performance, composition, and appraisal. They will also study a range of musical genres, including Western classical music, popular music, and world music, and learn how to analyse and evaluate music from different contexts and periods. By the end of the year, students should have a deep understanding of music theory and be able to apply their practical skills in a range of contexts. They will also be well-prepared for the written and practical assessments that form part of the AQA GCSE Music examination.

PHYSICAL EDUCATION

Students in Year 10 will complete a Sports Leaders Level 1 qualification in core PE, Planning, delivering skills and officiating in several sports events. In addition to this, students who selected **GCSE PE** as an option will look at the following:

- Physical factors affecting performance
- Practical Sport – performance in PE

Students who select the **CNAT Sports Studies** course will study the following:

- R051 Contemporary issues in sport
- R052 Developing sports

Students who select the **BTEC Dance** course will study the following:

- Component 1: Exploring the Performing Arts
- Component 2: Developing Skills and Techniques in the Performing Art

Students will enhance their theoretical Knowledge and Understanding, which will allow them to succeed towards the end of year 11 when taking the GCSE examinations.

RELIGIOUS STUDIES

GCSE RS

GCSE starts with our thematic topic of Relationships and Family, students look at issues surrounding sex and sexuality, marriage and divorce, as well as family life, gender roles and gender equality. In lessons students will regularly be given GCSE exam style questions, and regularly set for homework. Each unit of work is completed by sitting a full set of exam questions on that topic. We then go on to a religions unit on Christian Beliefs, in which beliefs about God, life after death, Jesus and Salvation and the creation of the world are explored. Students will look at and answer GCSE exam questions for this paper to help in their preparation exams in year 11.

CORE RS

Once Community and Personal topics have been covered, we will look at how we make ethical and moral decisions and how religious beliefs and values might influence decision making around key ethical issues such as animal testing.

SCIENCE

Students will be following their different GCSE pathways for Science – Separate Sciences or Trilogy Science. They will learn Science as the three separate disciplines of Biology, Chemistry and Physics.

Separate Biology

Students will learn about monoclonal antibodies and plant diseases before moving on to learn about the human digestive system. Students will then learn more about plant tissues and plant organ systems.

Separate Chemistry

Students will learn about the different types of bonding: ionic, covalent and metallic and the properties of these chemical bonds. Students will then move on to learn about organic chemistry – which looks into different compounds and their uses, including fuels.

Separate Physics

Students will learn about specific heat capacity and the density of different materials – building upon their particle model knowledge from Year 9. Students will then learn about electricity, in particular looking at Ohm's law and the National Grid.

Trilogy Biology

Students will be learning about the human digestive system and how to test for different food groups. Students will then move on to learn about plants and plant tissues and osmosis.

Trilogy Chemistry

Students will learn about the different types of bonding: ionic, covalent and metallic and the properties of these chemical bonds. Students will then move on to learn about organic chemistry – which looks into different compounds and their uses, including fuels.

Trilogy Physics

Students will learn about specific heat capacity and the density of different materials – building upon their particle model knowledge from Year 9. Students will then learn about electricity, in particular looking at Ohm's law and the National Grid.