

# YEAR 10 WHAT WILL MY CHILD LEARN THIS TERM?

SOUTH  
HUNSLEY  
inspire · aspire

SOUTH  
HUNSLEY  
Sixth Form

## ART & PHOTOGRAPHY

This term your child will be continuing to explore portraiture through looking at how artists use different techniques to distort a portrait. Students will then choose a selection of artists to focus on and begin to work in the artists style through detailed analysis before using their media and Techniques. After half term, students will start their next coursework project which will be natural forms. Students will be studying a variety of artists to explore and cover different medias and techniques.

## BUSINESS

Pupils in Year 10 will continue 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 pupils to explore core concepts through the lens of an entrepreneur setting up a business. In this theme, pupils will be introduced to local and national business contexts and will develop an understanding of how these contexts impact business behaviour and decisions.

**Topic 1.3 Putting a business idea into practice** – pupils will focus on exploring how business ideas happen through identifying aims and objectives and concentrating on the financial aspects.

**Topic 1.4 Making the business effective** – pupils will explore a range of factors that impact on the success of the business, including location, the marketing mix and the business plan. .

## CHILD DEVELOPMENT

Students in Year 10 will begin the year studying and investigating human reproduction and fertility from a biological perspectives 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 this term will be studying topics around Relationships and Sex Education (RSE.) The topic will focus on what is acceptable and unacceptable in a relationship. This will include lessons around consent, sexual assault, fertility and pregnancy, stalking and harassment, domestic and honour-based violence and sexting and revenge pornography. The lessons will discuss how they can keep safe, make students aware of the dangers and how to report them.

## COMPUTING

**GCSE Computer Science:** During this term pupils will start to look at more structured programming skills in the form of procedures and functions. They will also look at developing their understanding of reading and writing to files. In the theory side of the course, they will start to study the fundamentals of data representation which will include looking at how characters, binary images and sound are represented in binary. Pupils will also develop their knowledge of converting numbers between binary, hexadecimal and denary.

**BTEC Digital Information Technology:** Pupils will be continuing to work on studying Component 2 – Collecting, Presenting and Interpreting Data. This module is worth 30% of their overall grade. Pupils will be working on understanding what a PSA looks like and what will be expected of them in preparation for their Live PSA which students will be starting before February half term.

# 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 freehand sketching, oblique and isometric drawings as well as orthographic drawing. Students will use CAD and CAM to manufacture a product using a range of joining techniques.

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

Year 10 are now working towards their first formally assessed unit (Component 1). We start with exploring a range of theatre practitioners before moving onto group work involving pupils developing a piece of theatre in a chosen style in response to a stimulus set by the exam board.

# ENGLISH

In Year 10, our pupils study their GCSE Shakespeare play, Romeo and Juliet, in term 2. They learn to think critically about Shakespeare's purposeful craft of narrative and characters to comment upon the issues that lie within Elizabethan society. As a result of their analysis of the constructs within the play, our students are taught how to form critical debates about the key themes of the play and how to write an academic essay in preparation for their English Literature GCSE.

In their language lessons, the focus is on reading and writing fiction in preparation for their English Language GCSE's. Our students learn how to read and analyse unseen non-fiction extracts and write their own non-fiction pieces (speeches, articles and letters). They then learn how to respond to exam-style questions effectively to ensure their success at the end of Year 11.

# GEOGRAPHY

In Year 10 pupils will continue studying Changing Cities; looking at the Brazilian city of Sao Paulo and considering the similarities and differences of the challenges faced to those in Hull. Students will also begin looking at UK Landscapes, specifically coastal environments and the ways in which they are changing. We will look at our local area by studying the Holderness Coast and the impacts and responses to erosion there.

# HISTORY

Year 10 will conclude their study of 20th-century medicine, exploring how ideas about the causes of illness have evolved, including breakthroughs in DNA, genetics, and lifestyle factors. They will also examine the role of new technologies, advances in surgery, and the establishment of the NHS. Following this, students will begin their Historical Environment study, focusing on First World War battlefields. This includes analysing how the conditions of trench warfare, weapons, and terrain affected soldiers' health and treatment, while also learning how historians use sources to conduct enquiries. Later in the term, they will start their study of Weimar and Nazi Germany, exploring the challenges of the Weimar Republic, including political instability, economic crises, and cultural developments.

# MATHS

The start of the Spring term will see year 10 pupils continuing to learn about Quadratic graphs and their properties. They will learn how to interpret a quadratic graph, sketch a quadratic curve using key points and learn how to solve quadratics by factorising. Pupils will then develop their KS3 knowledge of area, perimeter and volume and begin to interleave their algebraic skills in order to use a formula to find the surface area and volume of 3D shapes including cones, spheres, pyramids and prisms.

# MODERN FOREIGN LANGUAGES

## French

In French students will learn vocabulary and structures about education, work and free-time activities.

## German

In German students will learn vocabulary and structures about education, work and free-time activities.

## Spanish

In Spanish students will learn vocabulary and structures about education, work and free-time activities.

# MUSIC

Year 10 will begin to look at the AOS3 set works. Our focus artist will be Queen and we are to study in detail the following three tracks: Bohemian Rhapsody, Seven Seas of Rhye and Love Of My Life.

# PHYSICAL EDUCATION

In Year 10, students will complete a Sports Leaders Level 1 qualification in core PE, where they will plan, deliver, and officiate sports events.

Students who choose GCSE PE will study topics like:

- Physical Factors Affecting Performance
- (NEA) Practical Sport Performance

Students who select the Cambridge National in Sports Studies (CNAT) course will focus on:

- R185: Performance and leadership in Sports Activities
- R187: Increasing awareness of Outdoor and Adventurous Activities

Students choosing the BTEC Dance course will study:

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

These courses will help students develop both practical skills and theoretical knowledge in preparation for their final assessments in Year 11.

# RELIGIOUS STUDIES

## GCSE RS

Students will begin the topic Theme B- Religion and Life. This will include considering Buddhist and Christian attitudes to life and death, how the world began, animal rights and animal testing, abortion, euthanasia, life after death and caring for the world/environment.

The next topic will be Buddhist beliefs. It will cover key elements of Buddhism. Lessons will look at how Buddhism began, the life of the Buddha, key teachings of the Buddha, different types of Buddhist traditions, including Mahayana, Theravada and Pure land Buddhism.

## CORE RS

Students will be finishing a topic on how religion responds to moral and ethical issues. This topic focuses on stewardship and caring for animals. It makes links to the rights and wrongs of animal testing with religious responses. Once completed, students will then be moving onto topics found in the Community and Personal Studies overview.

# SCIENCE

## **Separate Biology**

Students will be learning about Photosynthesis and Respiration before looking at adaptations and competition within ecosystems.

## **Separate Chemistry**

Students will be learning about cells and energy changes in reactions before moving on to learn about the different calculations associated with Chemistry. Students will then start to learn about the different reactions of metals.

## **Separate Physics**

Students will be learning about the structure of the atom and how this links to physics, including looking at radioactive decay and the electromagnetic spectrum. Students will then be learning about magnetism and looking at how magnets work and their uses.

## **Trilogy Biology**

Students will be learning about Photosynthesis and Respiration before looking at adaptations and competition within ecosystems.

## **Trilogy Chemistry**

Students will be learning about Organic Chemistry and how fuels are formed and used before moving on to learn about Energy Changes in Chemical reactions and how these can be investigated.

## **Trilogy Physics**

Students will be learning about the structure of the atom and how this links to physics, including looking at radioactive decay and the electromagnetic spectrum.

