



HEDINGHAM SCHOOL

AND SIXTH FORM

ACHIEVEMENT & EXCELLENCE

YEAR 7

CURRICULUM

2016 -2017

YEAR 7 CURRICULUM

These pages outline the work your son or daughter will be undertaking in this, their first year of the National Curriculum Key Stage 3. Most subjects organise their teaching in half-termly units. Homework is an essential ingredient of each course except performing arts.

ART AND DESIGN

Students follow a broad course providing an experience of Art and Design as a means of recording, analysing and investigating things seen and developing strong drawing skills the underpinning of all artistic practice. This experience is articulated through the practices of painting, sculpture and print making. An understanding of the principal features of historical and contemporary studies is built into the course. *Ms Crawley, Leader of Art*

COMPUTER SCIENCE

In Year 7, students will begin to study the fundamental concepts behind how computers work and they will develop an understanding of the relationship between the physical parts of a computer system and the software that govern how this works.

Students will begin the year with a topic on eSafety which will help them to better understand the safe use of digital technologies, they will also learn about the legal and ethical issues surrounding the use of technology. Students will then carry out a project that allows them to look at the history of computers and introduces them to the key characters that have allowed technology to become an everyday part of their lives. From here they will then delve into looking at how data is stored with a computer system and will get the grips with the Binary number system, this will relate heavily to some of the historical research they have carried out and will demonstrate to them that although technology is rapidly advancing, the key concepts from over 100 years ago remain exactly the same.

Students will then spend the remainder of the year looking at 2 programming languages, this will start with the Scratch programming language, building on the existing knowledge they should have from primary school and starting to understand the logical reasoning behind how software is created. Students will then move onto looking at the Python programming language and will code in several different situations, firstly for desktop based applications and then later moving on to coding for the BBC Micro:bit allowing them to see real life applications of programming languages face to face.

The units in Year 7 are as follows:

Unit 1 – The Safe and Legal use of Computer Systems

Unit 2 – The History of Computers

Unit 3 – Data Representation

Unit 4 – Scratch Programming

Unit 5 – Python Programming

If you would like any more information, please free to get in touch with *Mr Daniels, Leader of Computer Science & ICT*

DANCE

Students follow a curriculum through years 7 – 9 which lays the foundations for GCSE Dance, BTEC Dance and A Level Dance. In year 7 the focus is on developing an understanding of the underlying principles of choreography, building confidence in performance and understanding the initial methods of dance analysis. *Mrs Cook, Leader of Performing Arts*

DESIGN & TECHNOLOGY

Food – An introduction to Food and Nutrition

Textiles – Hats – design and make project

Resistant Materials – Multimedia – storage rack

Systems and Control – Sensor Circuits – flashing door sign

Computer Aided Design – CAD/CAM acrylic products

Mr Gamble, Leader of Design & Technology

DRAMA

Students follow a curriculum through Years 7 – 9 which lays the foundations for the extended study of Drama at GCSE and A Level and encourages the students to embrace the diversity of the world of theatre. In Year 7 we introduce the basic skills of concentration, imagination, co-operation and communication learning through games, exercises, short script and spontaneous improvisation. Students then move on to a unit centred on Creating, learning skills in script-writing, physical theatre and how to explore a stimulus. This is followed by Performance, learning skills in voice, movement and characterisation, including how to learn lines and stay in role. There is also an opportunity to watch and learn to evaluate a live theatre performance by our Year 13 A Level Drama group. *Mrs Beaumont, Leader of Drama*

ENGLISH

Students will undertake an exciting and varied series of half-termly programmes of study which include a novel, literary non-fiction, poetry, travel writing and a Shakespeare play. Our students' abilities to speak and listen in a variety of contexts, including presentations, persuasive speeches and trade fairs, will be extended. Reading, including private reading for pleasure, will be monitored and encouraged. Throughout the year, students will be taught how to explore and evaluate the way in which writers employ language as well as how to adapt their own use of language for a variety of purposes and audiences in order to ensure accurate writing in a variety of styles. *Ms A Barker, Leader of English*

GEOGRAPHY

Students are introduced to what Geography is and begin to develop their geographical skills through the study of Hedingham School as their new 'place'. Students will study topics which allow them to investigate places as a variety of scales from the local, to the national and international. Topics will include Weather and Climate, Britain, Glaciation, Urbanisation and the Geography of Sport. These topics are designed to introduce a variety of geographical themes and skills. Classroom work is supported by a day's fieldwork in the summer term. *Miss Salmon, Leader of Geography.*

HISTORY

Year 7 History covers a range of topics which students will investigate through enquire questions. Topics range from: 'Why did William win the Battle of Hastings, The Black Death and Were the Tudors really Terrible?' and concludes with a visit to Colchester castle. A range of approaches to teaching and assessment are used including ICT, group work and peer assessment. Students will explore a range of sources to help them develop their knowledge of the past and their ability to draw conclusions. *Mrs Reed, Leader of History*

MATHEMATICS

Students will spend this year working on topics in number, algebra, geometry and statistics. The year's work will be organised as a series of modules. Practical work and other investigations will be integrated into the modules as will the use of Information Technology. Students' work will be regularly assessed by a combination of tests, homework and other classwork exercises. *Mrs Woodley, Leader of Mathematics*

MODERN LANGUAGES

Our aim for the course in year 7 is for students to see their French or German as a natural means of communication. The emphasis will be on their oral competency and they will be encouraged to communicate their ideas, feelings and interests. They will listen to genuine native speakers on CD, they will use a dictionary to research their own language needs, they will read for pleasure and there will be regular opportunities for pair-work activities and role-plays as well as to explore language tasks on the Internet. They will gain an insight into the culture and civilisation of the countries in which their language is spoken. The topics in their first year will cover personal information, family, pets, school, food, local area and free time activities. *Miss Malaval, Leader of Modern Languages*

MUSIC

Students follow an exciting course of practical work, building their musical awareness through performing, composing and listening. Classroom activities focus on individual, small ensemble and whole class work, using a variety of instruments and the voice. The topics studied will include Rhythm, Medieval and Carnival of the Animals. *Mr Cull, Leader of Music*

PHILOSOPHY AND ETHICS

In Year 7 students will study an in-depth introduction to religion and religious traditions. The course aims to develop both breadth of thinking and depth of thought and will include, alongside students' own views, ideas from Christianity, Sikhism, Islam and Buddhism. However, the course does not assume any particular religious faith, and will be of equal benefit to students of any faith, or none. *Mr Wright, Leader of Philosophy and Ethics*

PHYSICAL EDUCATION

Students have the opportunity to participate in a number of the following activity areas: Invasion games, Striking games, Net games, Gymnastics and Athletics. Students are involved in a continuous process of planning, performing and evaluating each activity area. Students are encouraged to appreciate the strengths and limitations in performance and use the information in co-operative teamwork. Students will also gain an understanding of short term and long term effects of exercise on the body system. Students should also recognise the importance of rules and apply them appropriately. *Mr Sergeant, Leader of P.E.*

SCIENCE

After embarking on an introductory unit of work and achieving their Hedingham School Science Licence, Year 7 Science students study the 'Exploring Science' course which follows the National Curriculum for Science. They start to develop the basic scientific thinking and practical skills that will be required throughout their secondary science education.

They are taught these through a number of separate biology, chemistry and physics topics entitled: Tissues and Transplants; Sex and Science; Ecology Matters; Classified; Acids and Alkalis; Bubbles, Bangs and Burning; What a Waste; Materials from the Earth; Energy and Sustainable Living; Electrical Circuits; Forces and their Effects; The Solar System and Beyond. Students' work is regularly assessed, throughout the whole of Key Stage 3, by a combination of end of unit tests, assessment tasks, homework and class work exercises; this provides an individual profile of the skills, processes and knowledge required by the National Curriculum. Students are encouraged to use the internet wisely for research and to develop their independent study skills. *Dr Finn, Leader of Science*

PERSONAL & SOCIAL DEVELOPMENT

Students are members of a vertical tutor group which discuss a range of social and moral issues through the Tutor Time activities in which they complete tasks and discuss topics individually, in pairs and in 'families'. During Year 7 PSHE Curriculum Days and elsewhere in the curriculum there are opportunities to explore more deeply a range of issues including achievement, bullying, health and citizenship. All subjects work to help students develop a variety of skills such as organisation and time management, self-discipline, care and concern for others, understanding emotions, establishing proper balanced relationships and making good judgements. The basic goal is to prepare students to deal effectively with the changes they will experience during adolescence and the challenges that will face them as they go through life. *PSHE Co-ordinator*