



# Highclare School

## U3 Curriculum Plan

This curriculum plan includes an outline of the topics and themes studied in each subject throughout the year.

In addition to the subjects listed, Upper Third pupils have an hour long Enrichment lesson each week where they rotate round a variety of activities, and also two half hour sessions of Skills and Values.

The table below shows the time allocated to each subject per week.

Subject	Hours
Art	1
Design & Technology	1
Drama	1
English	3.5

Subject	Hours
Food & Nutrition	1
French	2
Geography	1
History	1

Subject	Hours
ICT / Computing	1
Mathematics	3.5
Music	1
Physical Education	2.5

Subject	Hours
PSHCE	0.5
Religious Studies	1
Science	3
Enrichment	1

All KS3 pupils have internal school examinations in all subjects (except Drama, PSHCE and PE) in the week before half term in the summer term.

We hope that you find the plan informative and useful.

Mr M Coles  
Deputy Head of Senior School: Academic

## Subject

### Autumn term

### Spring term

### Summer term

## Art

Exploration of theme 'Still Life'  
Baseline Test  
Tonal study of a drinks bottle  
Introduction to the Visual Elements in Art  
Drawing 3D Shapes  
Line, value and texture  
Drawing in pencil, biro and ink  
Pressure control and tonal variety  
Mark making  
Assessed work  
Tonal study of a drinks can

Exploration of the theme 'Cubism'  
Space, shape, pattern and colour  
The colour wheel  
Colour Theory & Terminology  
Flat colour, tints and shades  
Acrylic paint techniques  
Assessed work  
Cubist still life of modern objects

Exploration of the theme 'Pop Art'  
Learning techniques for freehand sketching cartoon characters  
Using basic Photoshop skills to create a repeat pattern  
Mini-project looking at Graffiti lettering.  
Assessed work  
Pop art trainer featuring cartoon character (End of year Examination)

## Design & Technology

### Unit 1 – Designing for People

- Needs of the User
- Product Analysis
- Other research techniques

### Unit 2 – Jewellery Box

- Design Brief and Specification
- Man-made boards theory
- 2D and 3D drawing techniques
- 2D CAD – using Techsoft Design v3
- Introduction to CAM – using the laser cutter

### Unit 3: Gift Bag - Textiles

- Design Brief and Specification
- Machine skills
- Health and Safety
- Seams and Finishes

### Unit 4 – Paper Making

- Design Brief and Specification
- Papermaking
- Material sources and stock sizes
- Finishes and weights

### Unit 5 – 3D printed Jewellery

- Design Brief and Specification
- 3D CAD – using Sketchup online
- 3D Modelling
- Using the 3D printer

### Unit 6 – Assembly, Evaluation and Testing

- Product Completion and Assembly
- Product testing
- User feedback

## Drama

Introduction to Drama  
Confidence-building games  
Bugsy Malone – scenarios, acting for an audience  
Mime and setting the scene

Characterisation  
Developing gesture, facial expression and dialogue.  
Acting technique

Melodrama  
Hero, villains and damsel in distress.  
Devising a performance based around a cartoon

## Subject

### Autumn term

### Spring term

### Summer term

## English

Transition unit  
Baseline assessments in reading and spelling  
Creative writing: short stories based on the theme of transformation  
Reading of *Cirque Du Freak* by Darren Shan  
House poetry competition  
Class novel: *The Bone Sparrow* by Zana Fraillon  
Non-fiction texts based on theme of refugees and asylum seekers.

Introduction to Shakespeare  
Study of *Hamlet and The Tempest*.  
  
Study of short stories from a collection of 'Sinister Stories'.  
  
Explorations into creative writing and reading

Explorations into creative writing and reading.  
Persuasive and argumentative writing in non-fiction called 'What on Earth?'  
Presentation to the class on a topic linked to the persuasive unit.

Weekly spelling test of 10 spellings and grammar task. Independent reading.

## Food & Nutrition

Introduction to Food and nutrition  
Hygiene and safety  
The 4C's  
How to wash up successfully  
Where do bacteria come from  
Growth of micro-organisms  
Taste testing  
High risk foods

The Eatwell guide  
Healthy eating guidelines  
Obesity and sugar  
Nutritional needs

Allergens  
Where ingredients are grown  
Seasonality  
Food waste  
Food packaging

Practical demonstrations and practical skills lessons throughout the year

## French

### **Half term trial rotation - French and Spanish**

#### **C'est moi**

Introducing yourself – name, age, birthday  
Numbers 1-31  
Brothers and sisters  
**Culture:** MFL House competition – **Paris project**  
**Culture:** Christmas in France, MFL House  
Christmas card competition

#### **C'est perso**

Likes and dislikes  
Describing yourself and others  
(physical appearance and character)

#### **Mon collège**

School subjects  
Justified opinions  
Telling the time  
Describing school day  
Snack food

#### **Mes passetemps**

Computers and mobile phone use  
Sports and hobbies  
**Culture:** The French Revolution

## Subject

### Autumn term

### Spring term

### Summer term

## Geography

### Thinking like a Geographer

Different types of Geography  
Locational world map knowledge.  
Looking at different uses/types of maps.  
Longitude and latitude  
OS map work introduction  
Political/physical maps of the UK  
OS Map symbols  
4/6 figure grid references  
Showing heights on a map  
UK Place study:  
Population and tourism in the UK.

### Weather and Climate

Weather and climate  
Measuring the weather  
Water cycle  
UK climate  
Global climates vs UK climate  
Local climate study (Highclare  
Microclimates)

### Settlement and Lichfield Fieldtrip

What is settlement  
Settlement site and situation  
Patterns of urban land use  
Our place: Growth of Birmingham over time  
Our place: Redevelopment of Birmingham.  
Lichfield fieldtrip and write up  
Causes of urbanisation  
Advantages and disadvantages of urbanisation.  
Life in the Slums.  
Sustainable cities

## History

The arrival of the Romans, Anglo-Saxons and Vikings  
William the Conqueror and the Battle of Hastings  
The Norman Conquest  
Assessed essay on the Battle of Hastings

### The Medieval World:

The rise of the Islamic Empire  
The Crusades  
The empires of Mansa Musa and Genghis Khan  
The Peasant's Revolt

### Medieval Life, areas studied include:

The Black Death  
Society  
Entertainment  
Warfare

## ICT & Computing

Online Safety  
Computer Systems  
Using programming constructs in Scratch  
Advanced Scratch House Competition

Webpage design using HTML & CSS

Python Programming Introduction  
Using programming constructs in Python

## Subject

### Autumn term

### Spring term

### Summer term

## Mathematics

### **Unit 1 Analysing and displaying data:**

Mean, mode, median, range. bar charts, compound bar charts, dual bar charts and pictograms.

### **Unit 2 Number Skills**

Mental maths, addition and subtraction, multiplication and division, money and time, negative numbers, factors, multiples and primes, square numbers

### **Unit 3 Expressions, functions and formulae**

Functions, simplifying expressions, formula

### **Unit 4 Decimals and measures**

Decimals and rounding, Length, mass and capacity, Working with decimals, perimeter and area

### **Unit 5 Fractions and percentages**

Comparing fractions, simplifying fractions, working with fractions, Fractions and decimals, Understanding percentages, Percentages of amounts,

### **Unit 6 Probability**

The language of probability, calculating probability, experimental probability, expected outcomes

### **Unit 7 Ratio and proportion**

Direct proportion, writing ratios, using ratios, ratios, proportions and fractions, proportions and percentages

### **Unit 8 Lines and angles**

Measuring and drawing angles, lines angles and triangles, drawing triangles accurately, calculating angles, angles in triangles and quadrilaterals

### **Unit 9 Sequences and graphs**

Sequences, pattern sequences, extending sequences, position to term rules, coordinates and midpoints, straight line graphs

### **Unit 10 Transformations**

Congruency and enlargements, symmetry, reflections, rotations, translations, combined transformations

Pupils are taught in form groups until October half term then set into an upper and lower set for Mathematics.

## Music

Musical-theory baseline test

Find your voice! Singing for all, including the teaching and learning of the School Hymn

Introduction to the Elements of music & patterns in music

Instruments of the orchestra

Keyboard Skills

Scales & Melodies

Ensembles Music

African Drumming

Musical Contexts

Improvisation

Culture and Ritual in music

Examination preparation

## Physical Education

Swimming

Netball

Hockey

Football

Rugby

Indoor Athletics

Swimming

Indoor athletics

Health and fitness

Gymnastics

Netball

Hockey

Football

Rugby

Basketball

Athletics – track and field

Rounders

Cricket

Softball

Tennis

<b>Subject</b>	<b><u>Autumn term</u></b>	<b><u>Spring term</u></b>	<b><u>Summer term</u></b>
<b>PSHCE</b>	What is bullying Anti-bullying Gangs and other worrying things E-safety	Human rights – the Equality Act Refugees and asylum Seekers Prejudice and the dangers of a prejudice society My identity	Friendships, hierarchy and peer pressure Puberty and mood swings What is sex?
<b>Religious Studies</b>	Comparative Religion How did religion develop? Where are the religions practiced? What is religion all about? How do religions use symbols? What teachings do religions have in common? How do religious people express their faith? What practices do religions have in common?  Judaism 1 What does it mean to be Jewish? How are Jewish people divided? How are Jewish people guided in life? Which books are special to Jews? What is the Jewish place of worship? End-of-topic assessment	Christianity 1 Is Christianity still important in the UK and the world today? Can one thing also be three? Is every child special when born? Can anyone perform a miracle? Key word assessment and why Do people tell stories?  Christianity 2 Two Greatest Commandments Love your neighbour/moral code Jesus man of peace or conflict? Life of Jesus – death and resurrection. Is Christmas just for Christians? End-of-topic assessment.	Islam 1 How did Islam begin? How did Islam grow? What are Muslim key beliefs? Where do Muslims worship? Key word assessment + how does Islam contribute to UK culture?  Hermeneutics (interpretation) of the Bible What is the Bible? Is it relevant today? Introduction to hermeneutics. Hermeneutics paired parable task (the good Samaritan) ICT paired hermeneutics task Hermeneutic paired presentation.

## Subject

### Autumn term

### Spring term

### Summer term

#### **Science: Biology**

##### **Movement and Cells**

A deep-dive into the human skeleton and an Introduction into the unit that makes up all life including the organelles and their functions, 'Cells'. Students look at the adaptations of plant and animal cells and make links between features and survival.

##### **Plant biology and ecological relationships**

This unit enables the learning of plant fertilisation, growth and survival as well as the role of insects in establishing an ecological balance.

##### **Reproduction**

Students look at both sexual and asexual reproduction. This unit primarily focuses on human sexual reproduction and the stages of pregnancy. Again this builds on previous 2 biology topics covered.

#### **Chemistry**

##### **Particles and their behaviour**

A unit looking at matter, states of matter and the interactions of particles with one another. A brilliant conceptual introduction that builds on KS2 science and gives students an increased literacy of the particulate building blocks of the universe.

##### **Acids and alkalis**

Students look at the characteristics and properties of acids and alkalis, and quickly advance to understanding the importance of the neutralisation reaction between acids and alkalis.

##### **Chemistry of our universe**

The topic of space enables students to understand the chemical structure of the Earth (including the rock cycle) and its place in the wider universe – students learn about day/night and seasons.

#### **Physics**

##### **Forces**

Students learn about speed and motion, and how contact and non-contact forces affect motion. They investigate practical situations involving forces including those involving resistive forces and Hooke's Law.

##### **Electricity and magnetism**

Students learn about current and potential difference in a circuit as well as the underlying phenomena of resistance and its effect on current. Students investigate relationship between current and potential difference through a filament bulb, using ammeters and voltmeters to do so.

##### **Energy**

This unit enables students to discover the fundamental principles of energy and energy transfers. Students will examine the domestic use of electricity and evaluate sustainable management of energy resources to generate electricity.

# Subject

## Spanish

### Autumn term

Half term trial rotation - Spanish and French

#### **My life:**

Pronunciation

Masculine and feminine

Introducing yourself – name, age, birthday

Numbers 1-31

Character descriptions

Brothers and sisters

Pets

**Grammar:** Adjective endings , tener,

**Culture:** MFL House project Research

Hispanic countries

**Culture:** Christmas in Spain, MFL house

Christmas card competition

### Spring term

#### **My free-time:**

What you like to do

Activities you do

Weather

Sports activities (hacer / jugar)

**Grammar:** Me gusta + infinitive, present tense of –AR verbs, cuando + weather, the verbs hacer and jugar

#### **My School**

Opinions about school subjects

School facilities

Break time activities

Describing your school

**Grammar:** Regular AR, ER, IR verbs – different persons of verb, me gusta(n) + nouns

### Summer term

#### **My Family and friends**

Family members

Physical descriptions

Where you live

**Grammar:** Possessive adjectives, verbs ser & tener, verbs in 3<sup>rd</sup> person, verb 'estar'