

Units	English	Maths	Science	RE	Geography	History	German	Spanish	
1	Gothic Language - Reading and understanding a range of selected gothic short stories and developing reading skills.	Algebraic thinking – Sequences. Understand and use algebraic notation. Equality and equivalence.	Atomic structure - Lab safety recap, atomic theory, Periodic table, ions, compounds.	Cells / Cellular respiration and gas exchange - Plant and animal cells, multicellular organisms. Describing the functions of the breathing and CV system, forms of respiration	Christian Denominations - Students will explore the origins Christian denominations and their main beliefs and concepts.	Challenges and Opportunities - Sustainability [Case Study: BedZED] How sustainable communities are communities created?	Civil War – Restoration The causes of the Civil War Changing military tactics Oliver Cromwell Why did England have a restoration	Going out and making arrangements - Accepting and declining invitations. Giving reasons using “because.”. Talking about what you will wear, using the future tense.	Mobile Technology - Learning and applying vocabulary linked to technology in everyday life.
2	Jekyll and Hyde - Study of Jekyll and Hyde with a focus on narrative structure and character development.	Place value and proportion - Place value and ordering integers and decimals. Fraction, decimal and percentage equivalence.	Materials – Properties, Using properties, Polymers, Composite materials, Recycling.	Muscles and skeleton - Describe the role of the skeleton and the joints / muscles.	Hinduism - Students will explore the origins of Hinduism, said to be older than time. Students will examine the Hindu concepts of the Trimurti, worship and Ahimsa.	Coasts [Case Study: Happisburgh] Students will learn about coastal processes of erosion transportation and deposition as well as coastal landforms and coastal management strategies.	Early Empire: Slavery and Exploration An early look at the development of the middle passage and evidence of the slave trade and early Empire.	Town, neighbourhood and region - Learning and applying vocabulary linked to your town, neighbourhood and region. Adjectives to describe a town.	Music - Learning and applying vocabulary linked to music genres, instruments and expressions of time.
3	Dystopian Visions - Pupils revise and study a range of Dystopian Fiction through studying extracts of 1984, The Maze Runner and an in-depth class reading of The Hunger Games.	Applications of number – Solving problems with addition and subtraction. Solving problems with multiplication and division. Fractions and percentages of amounts.	States of Matter - Particles and state, Changing state, Cooling and heating curves, Pressure.	Diet and nutrition - Describing the process of digestion, role of salt in the diet and comparing / testing foods.	Buddhism - Students will learn about the Buddha, the wheel of life, the four noble truths, the eight-fold path and the five precepts.	Local Geography: Challenges and opportunities [Case Study: Worthing] Regional comparisons between North v South.	Industrial Revolution Exploration of how key factors lead to rapid urbanisation and industrialisation	Holidays - Learning and applying vocabulary linked to holidays and holiday activities. Saying what you do at different times of the year.	Television and film preferences - Learning and applying vocabulary linked to television and film genres, going to the cinema and frequency.
4	Poetry from other cultures - Developing and understanding of poetry	Directed number - Four operations with directed number	Electrical current and circuits - Circuit components, Series and parallel, Current and voltage, Modelling, Portable energy, Electrolysis.	CNS and Endocrine system - Describing the role of the CNS and comparing to the endocrine system. Role of nerves	Sikhism - Students will learn about the beliefs and practices of Sikhs, including; the 5 k's the Khalsa and the Gurdwara. Sikhism's core lies in equality.	Economic Activity and Development [Case Study: Walmart] Students will form links between economy and development.	London over time - Whitechapel An interleaved unit reflecting on London over all the time periods studied since Y7.	Food and healthy living - Learning and applying vocabulary linked to food, mealtimes, ordering food and healthy living. Giving advice	Holidays - Learning and applying vocabulary linked to holidays and holiday activities. Saying what you do at different times of the year.
5	Shakespeare - Pupils are introduced to Shakespeare and study 'Twelfth Night', undertaking a character study and analysing key scenes.	Fractional thinking - Addition and subtraction of fractions	Energy transfers – Energy, Sankey diagrams, Energy calculations.	Waves - Describing types of waves including components of a wave and accurate calculations incl. reflection and refraction of wave	Christian Role Models - The unit will give the chance for students to learn about inspirational people from Christianity and compare them with role models from other faiths.	Africa: Challenges and opportunities [Case Study: Democratic Republic of the Congo] Students will explore both key physical and human characteristics of Africa	America over time - Native Americans, Jamestown, Independence, Constitution, Civil War. An interleaved unit for the whole year focussing on the establishment of democracy in the USA	Media (Television, film and reading preferences) - Learning and applying vocabulary linked to television, film genres, reading habits and screen time.	Food - Learning and applying vocabulary linked to food and mealtimes, food quantities and weights.
6	Faster Read - Faster reading Animal Farm	Lines and angles - Constructing, measuring and using geometric notation. Developing geometric reasoning	Chemical reactions - Reactants and mass, Combustion, Thermal decomposition, Oxidation, Corrosion.	Energy calculations - Calculating power, comparing electrical resources and fuel bills.	Religious Stories - In this cross-curricular unit students will explore how stories are used in religion. Symbolism in the stories will be examined as will the historical and religious context of each of the stories studied.	Glaciation [Case Study: Lake District] How landscapes change over time from ice age to present. Students learn processes of erosion, transportation and deposition	America over time 2 - 20th Century, Civil rights. Developing the idea of citizenship and rights in the USA.		
7		Reasoning with number - Developing number sense. Sets and probability. Prime numbers and proof	Acids and bases - Acids and alkalis, Neutralisation, Making salts, Concentration, Soluble and insoluble salts.	Humans in the environment - How humans' impact on the Earth including using resources, how we contribute to pollution, the Carbon Cycle extinction events.					
8			Magnetism – Magnets, Making magnets, Electromagnets, Using electromagnetism, Motors, Renewables.	Microbes - Defining microbes, how they spread and grow, how the body uses and defends against them, vaccines and antibiotic resistance.					
9			Static – Static, Using electrostatics, Van de Graff.	Reproduction in plants - Describing flowers / plants and how they reproduce					
10			Resistance - Electrical resistance, Investigating and measuring resistance	Plants and stomata - Describing the role of photosynthesis in plants, how plants use and store products of photosynthesis as well as mineral deficiencies.					

Units	Computing	STEM	DT	Food	PSHCE	Art	Music	Drama	PE
1	Python Recap - Student revisit the concepts in Python and start to explore the use of decisions.	Construction for the future - Students examine modern buildings and how engineers have overcome a range of environmental and space issues. They then tackle a variety of construction projects and make their own models to show how they would overcome the issues at hand.	Product Design: Chocolate Moulds - Students will learn about batch production, food safe groups and how designers work together in collaboration to produce products. This understanding will be put into practice by designing and making a set of novelty chocolate moulds suitable for food use.	Eatwell Guide and 8 steps of healthy eating - We revisit the basics that were covered in Year 7 and explore the implications of making poor food choices on health	Citizenship – Rules and rights. - Students will develop their knowledge and understanding democracy. They will recognise the importance of the British values, rules and rights and the criminal justice system.	Day of the Dead - This project focuses on the Day of the Dead festival in Mexico. The topic looks at the cultural meaning behind the festival and the different artworks created for the festival. The task for the final piece is to design and make your own mask that is in keeping with the themes explored.	Hooks and Riffs - Hooks, riffs and clichés. Harmony and tonality and develop their skills by using Music ICT. Builds on concepts introduced in the 'Building Bricks' and 'I've Got Rhythm' modules studied in Year 7	Film and TV Acting Monologues - techniques used in film acting, experiment with shots and angles used in film and TV, prepare and perform Film or TV monologue. Students will prepare and perform a duologue from a Film/TV show.	Team sports (Hockey, basketball, football and rugby) - Students will participate in a variety of team sports developing their physical skills, tactical awareness and understanding of the rules.
2	Understanding Computers - Student develop their understanding of how computers work. Students explore hardware, digital representation and binary conversions.	Technical drawing - Students study how to draw orthographic drawings from 3D images and 3D images from orthographic. They learn to consider measurements and draw to a scale.	Graphic Design: Cable Winders - Students consider how products can be used to help organise both the home and travel markets. This will allow them to see effective design a set of cable winder to help organise cables at home and keep them safe while travelling.	Energy and Carbohydrates - The students will understand energy input and output as well as why carbohydrates are so important to us.	Health and well-being. - Students will recognise factors that impact on physical health and well-being, as well as some basic first aid. Whilst exploring mental health and the impact of conflicting situations.	Bold Design - This project looks at geometric patterns, scale and proportion. We look at typography and lettering styles and applying this to their own work through creating stencils.	Offbeat - Reggae is featured in this project to exemplify off-beat patterns. Builds on concepts and material introduced in the 'Building Bricks' and 'Folk Music' modules in Year 7.	Historical Theatre: Introduction to Stanislavski and Brech - theatre Form, Genre, Dramatic Structure and Theatre Conventions. Students will perform a piece of text from a Shakespeare play to an audience.	Net and racket sports (Badminton, table tennis and tennis) - Students will develop their racket skills, whilst understanding how they apply different tactics to outwit their opponents.
3	Microbits: Advanced - Students complete a series of projects with micro:bits. Revisiting key concepts and integrating more challenging techniques	F1 - Students research F1 cars and what makes them aerodynamic. They design an F1 car which they will draw up in 3D on the computer.	Systems & Control: Music Players - This unit looks at the history of music players from analogue: the phonograph, record players; through digital with tape players, CDs and streaming. It covers the science and technologies behind the different systems and how developments in electronics has driven change	Food Science - Students will need to apply their knowledge of food science in a practical and meaningful way.	Citizenship - Students will develop knowledge of different influences in society, including the following topics, coercion, grooming, radicalisation and extremism.	Portraits - Van Gogh and Frida Kahlo. How to draw the different features of the face and how to draw a face with the right measurements and proportions. Meanings behind a portrait with the students exploring who they are and their personal interests through visual images.	Variations - This is a development of the concepts of Binary Form Ternary Form and Rondo Form studied in Year 7.	Multimedia and Theatre – in respond to a stimulus, students will create an original piece of multimedia theatre. Creation of a multimedia storyboard. Students will devise their own multimedia performance based on a fairy-tale.	Individual sports (Gymnastics, fitness and athletics) - Students will participate in a variety of individual sports developing their skills and techniques whilst developing their knowledge on health and fitness.
4	Intro to Photoshop - Students explore the basic tools in Photoshop to create creative pieces of digital graphics and pre-production concepts.	Aquaponics Farms - Students study what aquaponics farms are and the need for them in different countries. They then design their own aquaponics farms for a chosen country considering the needs of that country.		Nutrition - To make the correct choices about the practical work that we are planning students must apply their healthy eating and nutrition knowledge;	Health and well-being (SRE) - Students will understand how their body is changing and affecting physical and mental health. Students will develop understanding of different types of relationships. Students will be introduced to FGM.		All That Jazz - Blues Music. Builds on the instrumental skills that were introduced in the 'Folk Music' project at the end of Year 7.		Striking and fielding (Cricket and rounder's) - Students will participate in different striking and fielding sports, developing skills, tactics and knowledge of how the game is played.
5	Databases - Students build on knowledge from their spreadsheet module and explore how 'big data' is saved and used.			Special Diets - Students need to demonstrate and apply their awareness of consumer preferences and the reasons for choices made			All About the Bass - Development of musical elements. Builds on concepts and material introduced in the 'Building Bricks' and 'I've Got Rhythm' modules studied in Year 7.		
6	Python Extended - Student revisit the concepts in Python and start to explore the use of loops.			International foods - Students will be cooking meals from all over the world. They should understand why certain foods are associated with certain countries.			Saharan Sounds - Sounds and rhythms of African music. This project builds on concepts and material introduced in the 'Building Bricks' and 'I've Got Rhythm' modules studied in Year 7.		