

Year 7 Curriculum Subject Map

Units	English	Maths	Science	RE	Geography	History	German	Spanish	
1	Childhood Reading - Reading and understanding Boy and developing reading skills 1-11	Algebraic thinking – Sequences. Understand and use algebraic notation. Equality and equivalence.	Lab Safety - Essential lab skills and awareness of health and safety to work in a lab. Basic skill focused experiments	Space- Introduction to space, gravity, planets, space and time	What is RE? - Student learn of the 6 main world religions and explore the impact religion has on people's lives.	Sustainability [Case Study: West Sussex] - sustainability and the impact choices have locally - the idea of scale (local, national, global)	Introduction and Local History - exploring historical concepts with a local context, viewing Worthing over time.	Introductions and greetings, Alphabet, numbers, days of the week, months of the year, dates and colours. Getting to know Germany.	Introductions and greetings, Alphabet, numbers, days of the week, months of the year, dates and colours. Getting to know Spain.
2	Childhood Writing - Developing creative writing through the study of childhood. Fiction and non-fiction (autobiographical writing)	Place value and proportion - Place value and ordering integers and decimals. Fraction, decimal and percentage equivalence.	States of matter - Explaining the states of matter and related to the particle model, calculating pressure and heating and cooling curves	Cells - Introduction to plant and animal cells/using and understanding microscopes	Arguments for God's existence - Students will explore key arguments which try to prove God's existence. Student will look at philosophers and first-hand Christian accounts	Worthing - [Case study: Worthing High Street] - [Local fieldwork – traffic survey or clone town]	Anglo Saxons, Religion and Vikings - Dark Ages and growth in Christianity in England. Viking invasions and England before the Normans.	My world and I, German speaking countries, cities and vocabulary. Learning and applying vocabulary about countries and identifying nationalities. Traditions and festivals in Germany.	My world and I, Spanish-speaking world, and vocabulary. Learning and applying vocabulary about countries, holidays and identifying nationalities. Traditions and festivals in Spain and Hispanic countries.
3	Childhood Poetry - Pupils revise and study a range of poets. The focus of the poems is on growing up and the difficulties associated with that.	Applications of number - Solving problems with addition and subtraction. Solving problems with multiplication and division. Fractions and percentages of amounts.	Atoms elements, mixtures and compounds Describing chemical reactions, elements mixtures and compounds and types of reactions the Periodic Table	Diet & Nutrition - Introduction to a healthy diet and vitamins required.	Judaism - Students explore the origins of the religion, its main beliefs and concepts. A particular focus on Moses and the Exodus of the Jews. Student will compare and contrast how a Jewish person's life and beliefs is different to their own.	Map skills - [Case Study: Post Office Closure]	Normans. Changing nature of warfare and political change. Four Claimants	Family members, pets and free time activities. Descriptions (physical and personality). Expressing opinions. Asking and answering questions. Describing photos.	Family members, pets and free time activities. Descriptions (physical and personality). Expressing opinions. Asking and answering questions. Describing photos.
4	Play - Developing and understanding of play writing and reading.	Directed number Four operations with directed number	Light and its properties Describing light, law of reflection and refraction, total internal reflection and colour.	Gas exchange - Introduction to the lungs and gaseous exchange. Mechanics of breathing.	Prejudice and Discrimination - Student learn about prejudice and discrimination. They will learn what this means in theory and then apply it to Nazi Germany.	Britain - [Case Study: London Olympic Park]	Religion in Society. Crusades, Thomas Beckett and the Plague.	Daily Routine. Learning and applying vocabulary about your daily routine. Using the 24-hour clock.	Learning and applying vocabulary about going out, shopping and clothes. Making excuses.
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	Lenses Describing the effects and uses of lenses, comparing the eye and a camera	Health & Drugs - Effect of drugs on the body. Focus on smoking and alcohol	Christianity - Students will learn about Christianity with a strong focus on the Bible and Jesus' life. Influential historical Christians will be explored to allow a deeper understanding	Ecosystems (Rainforest and UK forests) - [Case Study: New Forest and Malaysia] - [Fieldwork: Local Forest]	Power in Society. Magna Carta, Peasants Revolt, Hundred Year War.		
6	Faster Read - Faster reading texts such as Huge Cabret and A Monster Calls	Lines and angles Constructing, measuring and using geometric notation. Developing geometric reasoning	Separating techniques Describing a range of separation methods and relating these to the Particle Model	Reproduction - Introduction to reproduction, life cycle, puberty, menstruation, contraception and pregnancy.	Islam - Students will conclude the year learning about Islam where there will be a deep focus on the prophet Muhammad and Islamic practices.	Russia – comparison (ecosystems, urban spaces, suitability) - [Case Study: Sporting events World Cup 2018, Sochi Olympics]	The Early Tudors and Reformation The late Tudors Henry VIII Elizabeth I		
7		Developing number sense. Sets and probability. Prime numbers and proof	Heat transfer Heat transfers by conduction, convection, radiation. Insulating homes, defining heat vs temperature	Human eye - Structure of the human eye.					
8			Electrical and circuits Describing current and voltage and conventional flow. Drawing circuits and constructing series and parallel circuits	Geology - Introduction to different types of rock					
9			Generating Electricity Explaining how we generate electricity in the UK, how its is transported, renewable vs non-renewable means.	Plants - Introduction to the function and structure of plants. To examine plant reproduction and pollination. Examine photosynthesis					
10				Ecosystems - Introduction to food chains, food webs and biodiversity					

Units	Computing	STEM	DT	Food	PSHCE	Art	Music	Drama	PE
1	STA Way - This unit is designed to build familiarity with the school systems, and develop student knowledge of hardware and software.	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: Flat Pack Egg Holder - Students will learn why and how manufactures reduce the material needed for a product. They will then put this into practice by designing a child's egg cup holder.	Health and Safety/Food Hygiene - Students must be aware of the risks and hazards of the food room as well as basic food hygiene.	Citizenship – Communities - Students will develop knowledge and understanding of how different citizens make up different communities. This will aid transition and support learners in building new relationships whilst recognising new opportunities.	David Hockney Colour Project - Painting and drawing - Introduction to colour theory and mark making. Introduction of the British artist, Hockney's work and attitudes to colour and scale.	Building Bricks - Basic elements of music. Introduction to graphic scores and how sounds can be illustrated by graphic notation.	Introduction to Drama - Students will learn the expectations for behaviour and work in the Studio as well as some of the key words and terminology to prepare for the next unit.	Team sports (Netball, basketball, football, rugby) - Students will participate in a variety of team invasion games, developing their skills and understanding of the sport specific rules.
2	Safety & Animation - This unit gives students an insight into cybercrimes, cyber bullying, what grooming is and how to report concerns to an appropriate adult.	Technical drawing - Students study how to draw isometric drawings. They learn to consider dimensions and draw accurately.	Graphic Design: Souvenir Keyring - Students will investigate the world of advertising; how and why do countries advertise themselves and the impact this has. Students will then design a souvenir keyring on a chosen culture to help advertise that country.	Eatwell Guide and 8 steps of healthy eating - Students will learn and explain the Eatwell guide as well as the 8 steps.	Health and well-being. Students will understand the importance and recognise ways to stay physically and mentally healthy, whilst their body begins to change. Students will also recognise in which to stay safe in different environments.	Hundertwasser Project - 3D Relief Card Construction - Introduction to 3D card relief construction techniques and experimentation with materials. Introduce the work of Hundertwasser and his eco architectural designs.	Keyboard Skills - Basic keyboard Skills. Triads, chords, tonality and note combinations are all explained in this project.	Acting for stage - Students will learn about different staging styles, projection, characterisation and acting terminology	Racket sports (Tennis, table tennis and badminton) - Students will develop practical skills in different net sports. They will understand the different rules incorporated as well as how to score, giving them the confidence to compete against others.
3	Intro to Spreadsheets - This unit introduces students to the concept of spreadsheet and how data is stored. Students learn basic operators, formulae and terminology.	Water purification - Students examine the issue of safe drinking water and design a water purification device suitable.		Food Provenance - Students will show understanding of where our food comes from, how it is produced and processed.	Citizenship – rules and rights. Students will develop their understanding of rules, laws, fairness and equality in society. Students will explore different wants and needs, whilst understanding the rights of a child.	Insects project - 3D Wire construction - Build on 3D construction techniques, using wire. Extend understanding of Insect anatomy. Build upon developmental design work in sketchbook, extending understanding of the design process.	I've Got Rhythm - Learn how to play as part of an ensemble. The elements of beat/pulse and ostinato are also covered in this project.	The Granny Project - Performing a play onstage, working as an ensemble. Including: Understanding how to read a script Staging, costume, characterisation and props.	Individual sports (Gymnastics, dance and athletics) - Students will participate in a variety of individual sports developing their skills, techniques, and the ability to sequence routines together.
4	Flowol - This unit acts as a precursor to introducing programming concepts. Students explore how we can break problems down and address logical errors.	Sports in STEM - Students tackle a range of short projects where STEM skills can be used to transform the sporting industry.		Food Choice - Students need to understand that food choice is not always about preference.	Finance - Students will explore secure and economic well-being.		Sonority City - How the orchestra is formed and the names and timbres of the different instruments. Students explore the different sections of the orchestra and the role of the conductor.	Improvisation & Devising - To create a 10-minute devised performance in groups, experimenting and improvising with ideas and stimuli to reach a collaborative agreement	Striking and fielding (Cricket and rounder's) - Students will develop practical skills in different striking and fielding games. They will understand different rules applied to the sport
5	Intro to Microbits - Students are introduced to programming techniques through block based and text based techniques. Students complete a series of projects with micro:bits			Recipe Modification - Students will prepare and cook dishes, taste food and perform investigations hygienically and safely			Form and Structure - Students use Cubase and Sibelius IT software to compose. They learn in more detail the key elements of music. Different structures will be exemplified to demonstrate teacher led modelling.		
6	Intro to Python - Students cover the an introduction to Python using a text based approach.			Nutrition and Ingredient Choice - Students will need to know about the importance of nutrients and how to add the best ingredients in their cooking			Folk Music - Students learn how to play simple chords on the guitar, keyboard, bass or drum kit and develop their rehearsal skills. Students perform as part of a band or group.		