Year 7	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
English	**Community** Transition Unit focusing on embedding writing and grammar skills, as well as reading The River Whale.	**The Bone Sparrow** Exploring how writers use structure and narrative voice in order to explore different perspectives.	**Inspirational Individuals** Analysing how writers of a range of different text types influence the reader.	**Monsters, Myths and Legends** Using a range of Greek myths and Beowulf in order to inspire non-fiction and creative writing.	**The Tempest** Using the play to introduce Shakespeare's context: world, performance and	**Crime Fiction** Comparing how the crime genre has developed across time.
Maths	**Unit NP1 -** Place Value & the Number Line **Unit NP2 -** Addition & Subtraction	**Unit NP3 -** Multiplication & Division **Unit NP4 -** Powers, Roots and Primes	**Unit NP5 - Order of Operations** **Unit NP6 - Directed Numbers**	**Unit A1** - Introduction to Algebraic Thinking **Unit NP7** – Fractions	**Unit NP8** - Percentages, Fractions, and Decimals	**Unit NP9 -** Estimation & Use of the Calculator **Unit A2 -** Manipulating and Simplifying Expressions 1
Science	**Introduction to Secondary Science** • Health and safety in the Science laboratory • Handling practical apparatus, including measuring mass and volume, and heating with a Bunsen Burner. • Simple graph skills • How to use online learning software: Seneca **States of Matter** • The particulate nature of solids, liquids and gases. • The properties of solids, liquids and gases, including density. • Changing of states. • Water Cycle **Energy** • Energy stores and transfers. • Types of energy transfers and conservation of energy. • Methods of heat transfer, including conduction and convection.	**Energy Continued** • Methods of heat transfer, including radiation. • Insulation **Movement and Digestion** • Movement of the body, including the skeleton, muscles and joints. • The digestive system, its function and processes. • The need for, and components of a balanced diet. • Human energy requirements from food. **Elements** • Elements in the periodic table and classifying materials using properties. • Properties of metals and non-metals. • Identifying metals using flame tests. •	**Forces and Motion** • Forces and their effects, including resultant forces. • Speed, including calculating speed, and interpreting distance-time graphs. • Factors that affect speed, including resistive forces of friction and air resistance. **Animal Cells** • The structure and organelles of animal cells, including studying a selection of specialised cells and their adaptations. • The movement of substances by diffusion. • Light microscopes and their use in viewing animal cells. • Simple organisation of an organism. **Mixtures** • Pure and impure substances • The effect of impurities on the boiling point of a substance.	**Mixtures Continued** • Solubility and the effects of temperature. • Separating mixtures, including filtration, crystallisation, distillation and chromatography. **Electricity** • Simple electrical circuits, including series and parallel circuits. • Simple electrical quantities, including current and potential difference. • Electrical safety. **Human Reproduction** • Female and male reproductive systems, puberty and the menstrual cycle.	**Human Reproduction Continued** • The process of fertilisation, pregnancy, and birth in humans. • Lifestyle choices and their effects on the foetus. • Reproductive health and ageing, including menopause. **Compounds and Chemical Reactions** • Compounds and chemical naming systems. • Simple chemical formula • Physical and chemical changes, including basic chemical reactions. • Combustion and the fire triangle. **Waves** • The features of water and light waves. • The interaction of light with materials, including reflection and refraction. Coloured light and objects, including their interactions.	**Ecology** • Habitats and animal competition. • Populations of organisms and ecological surveys. • Food chains, food webs and the impact of toxic accumulation, including representing these through pyramids of numbers. • Interdependence and physical adaptations of species **Rocks and Earth** • Structure of Earth • Rock types and their features, including sedimentary, igneous and metamorphic. • The rock cycle. • Physical, chemical and biological weathering. • .
Geography	**Intro to Geography and Map skills** • Types of Geography • careers in Geography • Map Skills • Applying geographical map skills to topographic maps • Tools and methods of geographical investigation	**Field Work and Exploring the UK** • Tools and methods of geographical investigation Human and physical features of the UK • UK population growth • Impact of migration in the UK	**Exploring the UK** • Settlements in the UK (Rural and Urban) • Work in the UK	**Weather and climate in the UK** • Introduction to weather and climate • Geographical skills and reading weather instruments • Weather events in the UK	**Exploring our World** • Investigating the physical and human geography of Russia and China • Physical and Human geography of the Middle East	**Exploring our World** Physical and Human geography of the Middle East and Africa
History	**What is History** An introduction to the skills needed in history	**The church and state in Medieval Society** Looking at how William gained control, Life in the Medieval world.	**The church and state in medieval society** What was the greatest threat to the monarchy?	**The development of church, State and society 1485-1750** What is the greatest threat to Tudor rule?- Rebellion/ Religion/ Foreign powers	**Historical Local Study: Colchester** Prehistory to the Normans	**Historical Local Study: Colchester** Medieval to the present and the big project: a self-study on when was Colchester at its greatest. Roman Mini- Project
Computer Science	**Using computers safely, effectively and responsibly:** File Management, Using Email, Cyberbullying, Social Networking, CMA Use of Microsoft Word and PowerPoint	**Computational Thinking:** Decomposition, Pattern Recognition, Abstraction, Algorithms and Flow Charts Bebras Challenge	**Computer Fundamentals:** Elements of a Computer, how a CPU works, Binary and Data representation (characters),	**Spreadsheets:** Students will learn skills so that they can explain how spreadsheets are used for modelling scenarios in the real world. They will use set up a spreadsheet, enter and analyse data, use simple formulae and functions.	**Graphics:** Students will create graphics using Vectors- Draw basic shapes Manipulate individual objects and groups of objects	**Visual programming:** Kodu- students will learn basic programming skills using online block programming as an introduction to sequencing, selection and iteration program controls
MFL	**Introduction / Module 1** Name, age, Birthday Numbers 0-13 Months of the year Hobbies – likes and dislikes	**Module 2** School, subjects Classroom items, pencil case items Present Tense Verbs	**Module 3** Family members and Animals Colours Where you live, regions	**Module 4** School timetable Days of the week opinions School in France/ Spain	**Module 5** Hobbies Free time activities Technology Internet, Mobile Phones Past tense	**Module 6** Holidays, countries Future tense Ordering at the cafe Dream holiday
Drama	**Dramatic Beginnings** Basic drama skills, characterisation and collaboration	**Pantomime** Conventions techniques and historical context	**Ernie's Incredible Illucinations** Studying text focussing on stage directions and staging opportunities.	**Greek Theatre** Conventions techniques and historical context.	**Commedia Dell'arte** Conventions techniques and historical context	**Time Travel (Devising)** Consolidation of all skills and devising original theatre based on historic events.
Music	**Piano Performance 1** Introduction to Pitch (Treble & Bass clef) and the Keyboard. Students develop ambidexterity with right and left hand performing Somewhere over the Rainbow.	**Singing: Musicals** Singing skills and knowledge of musical theatre. Pupils will sing songs from musicals and compose their own song for a musical.	**Ensemble** Perform as an ensemble using contemporary instruments including electric guitar, bass, drum kit, Trumpet, keyboard and ukulele.	**Composition** Develop composition skills from different stimuli utilising chords, melody, tonality and chromatism.	**Music Tech: DAW** An introduction to Digital Audio Workstations (DAW) Explore Rhythm, Pitch, chords and basslines in Ableton and then compose a song using Soundtrap	**Rhythm: African Drumming** Explore rhythmic techniques such as polyrhythm, ostinato, Rondo form using traditional djembes. Pupils will compose their own African drumming piece.

					(DAW).	
PE	**Using tactics and strategies to overcome opponents in direct competition** Groups will take part in netball or rugby, football and badminton **Dance:** One group will develop dance techniques through a variety of dance styles **Competitive sports** available through district fixtures with other schools				**Athletics** Students will develop their technique and improve their performance in a range of athletic events whilst aiming to achieve a personal best **Competitive sports** available through district fixtures with other schools	**Using tactics and strategies to overcome opponents in direct competition** Girls' groups will develop skills and knowledge in rounders while the boys' groups will develop skills and knowledge in cricket **Competitive sports** available through district fixtures with other schools
ADT	**Engineering 1** Boat (Woodwork) - Learners will learn how to use basic/correct tools to measure, mark, cut, shape and sand a boat that works as a phone/iPad stand.	**Engineering 2** Boat continued – learners will use drill and screws to connect a bridge and dowel sticks as funnels. Different finishing methods are introduced for learners to choose their final look	**Food 1** Afternoon Tea Making healthy dishes using baking skills and nutrition work on sugar and fruits and vegetables. Manufacture	**Food 2** Afternoon Tea Students will reflect on their cooking and identify possible improvements. They will act on this feedback by making their own choice final dish which is suitable to be served as part of an afternoon tea. Reflection and Evaluation	**Textiles 1** Aprons Identify and solve their own design problems Designing	**Textiles 2** Aprons Select from and use specialist tools. Technical Knowledge
Art	**Everything but the kitchen sink, including the kitchen sink.** Drawing , the formal elements of Art. Line, Tone, Texture, Pattern, Form , Colour, Shape. Students will be learning to “see” while drawing and not just to look. Still life observational recording.	**Everything but the kitchen sink, including the kitchen sink.** Colour theory, colour mixing. Watercolour painting of a sitting room or bedroom in their house . Artist reference Hillary Pecis, Jennifer Nelson, Jane Dunne Borensen.	**Everything but the kitchen sink, including the kitchen sink.** Mixed media montage of washing up in the kitchen sink. Artist reference : Alai Ganzusa Oleo en lienzo	**Everything but the kitchen sink, including the kitchen sink.** Print making Monoprint by drawing . Household objects still prints using monochrome ink palette. Artist Reference: Claus Oldenburgh.	**Everything but the kitchen sink, including the kitchen sink.** 3d/ sculpture developments : Create plans / drawing for a room in a box. Develop drawings/ plans toward your room in a box sculpture from cardboard and paint.	**Everything but the kitchen sink, including the kitchen sink.** 3D sculpture room in a box. Made from cardboard and paint. Artist reference: Raflie Locus and Mano Kellner
R.E	**The Philosophical Island** Crash Landing What is society? Law and Order Rites of Passage	**Creation Stories** Christian Hindu Chinese, Non-Religious Islam	**Prophets’ Teachings** Jesus, Abraham Moses Prophet Muhammad	**Sources of Wisdom** Torah The Bible Qu’ran Guru Granth Sahib	**What is Religion?** Why do we have religion? Who is God? Why do we have one God? What has a spirit? What is a Pantheon?	**Scared Spaces** St Peters Jerusalem Borobudur Mecca Shoe Box Project