

YEAR 7 TERMLY CURRICULUM

YEAR 7	ART	COMPUTING	DESIGN AND TECHNOLOGY	ENGLISH	GEOGRAPHY	HISTORY	MATHEMATICS	MODERN FOREIGN LANGUAGES	PHYSICAL EDUCATION	RELIGIOUS SOCIAL CULTURAL STUDIES	SCIENCE	TECHNICAL ENRICHMENT
Term 1	Students are introduced to the basic skills in Art including scale, tone, composition shape and texture.	Digital Literacy and E-Safety - Students get to grips with the CTS computer system and learn key skills including folder structure and saving work effectively. Students learn how to use the e-mail system and how to properly format a word document.	Timbers - Racing Cars. This project acts as an introduction to the use of basic technology tools and processes when working with timbers. This includes the use of a steel ruler, tri-square, coping saw and belt sander. The project allows students to get to grips with workshop safety rules and the basic skills of design when creating a product. Students will complete an end of topic theory test on timbers.	Explorations in Creative Reading and Writing using The Bad Beginning by Lemony Snicket as stimulus. This module offers a baseline for Year 7 and also aims to develop their literacy skills.	In the first term year 7s look at the concept of what Geography is, and the different types of geography that there are. Students start by completing a baseline test to understand from what base all students are coming from. Following this, students study a variety of different locations and case studies looking at some key processes and words that they will use over their geographical careers.	In the first term year 7's look at the concept of what is history? The aim of this unit is to provide students with the basic understanding of the core skills in history. This allows all students who have studied very little history in their primary schools to build their knowledge and understanding to equal others. At the end of the term the students will sit a baseline test that we use to measure their progress.	Algebra topic. Engage tasks take place every lesson and a close the Gap test every two weeks. The topic includes writing and forming expressions, simplifying and expanding brackets. Skills include the substitution of positive and negative numbers and solving equations, without and with brackets. Extension topics include solving Inequalities and factorising and solving quadratic equations in Term 1, Week 8 is Year 7 Activity week and a Mathematical project/investigation is undertaken in Week 7	Language Basics - Greetings, numbers, dates, countries. Discovering the target language country and culture around the world. Using technology to practice the basics of the language.	Football/Rugby/Netball. Students cover basic concepts of invasion games and how to apply tactics to different situations. Students are encouraged to make decisions for themselves and their teams when choosing what skills and tactics to use in order to increase game success. Students are made to embrace the concept of resilience, linking to our 'Personal Best' termly focuses. Lessons build on prior knowledge of fundamental skills, which aim to build confidence and competence with a transferable skill set. Students are taught how to	In Term 1, students spend time learning about why difference is important in society and therefore what tolerance is and why that is so important. They also use their time in lessons to learn more about resilience, positive mindsets and all the different ways in which they can learn. They make a plan of what they would most like to achieve during their time at CTS. Using this it is hoped that they will be able to get the most out of their time at secondary school.	Science skills: For the first term students learn about and are able to apply lots of the different skills that are crucial in science. These lessons include many different practicals across the different stems of science. Pupils learn about the processes involved in planning investigations and are assessed at the end of the term on the different areas covered over the 6 weeks.	Students rotate throughout the year between 5 different areas: Food Technology; Media; CAD/Adobe Photoshop; the Discovery Crest Award and Graphic Products. Students learn a variety of soft skills including team work, independence, creativity, and presenting ideas / public speaking. In addition, students will develop subject specific skills for disciplines such as DT and Engineering that they will be able to apply in these lessons. In media lessons, students will study different genres of film, looking at what is specific to each genre. The Discovery Crest Award offers an introduction to real project work. Students will work in groups to solve STEM challenges with minimal staff intervention. Students will then present their work. This award enables students to develop team work and hands-on investigative skills.
Term 2	Students experiment with the basic art techniques through projects devised by the art teacher. These projects can be influenced by Artists and the world around you. Students are given constant verbal feedback to improve their levels.	Scratch Virtual Pet - Students learn key programming skills using the Scratch platform to develop their own virtual pet. Algorithmic and problem solving skills are developed alongside key programming concepts such as variable, looping and conditionals.	Metals - Animal Designs. This project acts as an introduction to the use of basic technology tools and processes when working with metals. This includes the use of a steel ruler, metal scribes, tin snips and files. The project allows students to get to grips with workshop safety rules and the basic skills of design when creating a product. Students will complete an end of topic theory test on metals.	Modern fiction exploration with Stone Cold as a stimulus. This module involves a range of SMSC topics and also teaches students the skill of close reading and analysis.	In the second term students continue working on their geography road trip - learning about different places, and geographical processes affecting these. Students will also begin to look at the impact of our daily choices on the world around us. The assessment this term comes in the form of looking at how energy is used and produced in the UK.	This term students look at Medieval England in particular focusing on what life was like in Medieval Society, the battle to become King, the Battle of Hastings and the changes that William of Normandy bought to Britain. This topic aims to build the historical concept of cause and consequence and continue to build students chronological understanding of key events in history. The term will have one exam-based question towards the end of the term.	Number topic. Engage tasks take place every lesson and a close the Gap test every two weeks. This topic consists of exploring decimals and fractions in order to secure using the four operations as well as rounding to decimal places and significant figures. Students knowledge of factors and multiples are secured in this topic to calculate Highest Common Factor and Lowest Common Multiple using product of prime factors and Venn Diagrams. Different types of number and the Laws of indices will be taught.	Me and You - Family, friends, pets. Building the basics of grammar, tenses and opinions. Translation and spelling skills developed in Spelling Bee competition	Football/Rugby/Netball. Students cover basic concepts of invasion games and how to apply tactics to different situations. Students are encouraged to make decisions for themselves and their teams when choosing what skills and tactics to use in order to increase game success. Students are made to embrace the concept of resilience, linking to our 'Personal Best' termly focuses. Lessons build on prior knowledge of fundamental skills, which aim to build confidence and competence with a transferable skill set. Students are taught how to	This term students focus on the importance of a healthy diet. Students begin by identifying the different food groups that make a healthy and balanced diet. Students then look at the importance of exercise and a healthy diet. Lastly students then think about body image and how the media portray this issue in order to understand the importance of positive self-body image.	Term 2 for year 7 involves the introduction of biology, chemistry and physics. The different sciences are rotated to make sure each pupil gets a broad experience of science. Term 2 includes learning about cells in Biology, both particles and acids and alkalis in Chemistry and forces in physics.	
Term 3	Students experiment with the basic art techniques through projects devised by the art teacher. These projects can be influenced by Artists and the world around you. Students are given constant verbal feedback to improve their levels.	Hardware/Binary and Encryption - Students will spend the term learning key theoretical concepts. They will understand how a computer works underneath the surface as well as understanding how computers represent data using binary numbers. Students will also delve into system security and learn how encryption keeps our data safe whilst using networks.	Polymers - Blister Packaging. This project acts as an introduction to the use of basic technology tools and processes when working with polymers. This includes the use of a vacuum former, craft knife, and emery paper. Students will develop a knowledge of the different types of plastics, when they should be used and what for. Students will complete an end of topic theory test on polymers.	Shakespeare module- A Midsummer Night's Dream. Introduction to Shakespearean language and context. Students will be expected to explore the text and plot in its entirety	This term looks at the different type of ecosystems there are in the world - beginning with polar environments. Students will learn about how animals and humans have adapted to live in this environment before completing a piece of written work about this. Moving on students will learn about the causes and impacts of global warming, before looking at a world city and the different ecosystems in these urban areas. There is an emphasis written description and explanation skills this term.	Moving chronologically through time the Tudors are the next topic year 7's studying. This unit looks at all the Tudor Monarchs from Henry VII to Elizabeth. The main aim is for students to focus on the historical skill of significance. Students will gain an understanding of how to measure individuals contribution and in turn significance in the bigger picture of history. Students will sit one assessment at the end of term.	Statistics topic. Engage tasks take place every lesson and a close the Gap test every two weeks. The topic includes drawing and interpreting graphs e.g. Bar charts, Line Graphs and Pie charts. Statistics, including grouped data are used to compare and interpret statistics. Basic probabilities will be investigated using theoretical and experimental probabilities together with sample space diagrams.	Describing the World - Descriptions of people and friends. Speaking and writing practice. Cultural focus on the celebrations and traditions of the target countries.	Tennis/Trampolining /Fitness. Students are encouraged to both participate in team and individual sport. These sports offer a different sporting opportunity that require a fine set of motor skills. Students are given the opportunity to progress at their own pace whilst setting goals with regards to performance. This termly focus will be around self-motivation. Students will willingly set goals and targets with the objective of overcoming them and learning new skills. Students will develop a range of	In Term 3 students focus on the growing issue of mental health in particular how it has become a global issue in society today. Student will focus on different types of mental health and understand how to identify signs of mental health and where to go for support.	The first week of term 3 consists of revision of the 4 topics covered in term 2 with a trust assessment being carried out at the end of the week. Close the gap sessions are in place for week 2 where pupils will reflect on their assessments and work to close any gaps identified. For the remainder of term 3 pupils will learn about electricity, atoms and will also have an introduction to muscles and reproduction.	

Term 4	Students experiment with the basic art techniques through projects devised by the art teacher. These projects can be influenced by Artists and the world around you. Students are given constant verbal feedback to improve their levels.	Kodu and GameMaker - Students are given the opportunity to practice key programming concepts whilst getting creative. Students will plan and create their own video games. Kodu is a learning platform that provides an immersive environment to create your own game using a simple visual programming language. Students will take their game making knowledge to the next level using the industry standard GameMaker software allowing them to explore how games are made for multiple platforms including	Papers/ Boards - Music festival. This project acts as an introduction to the use of basic technology tools and processes when working with papers and boards. This includes the use of a steel ruler, safety ruler, craft knife. students will learn how to encapsulate as well as learning about smart and modern materials. Students will complete an end of topic theory test on papers and boards.	Students will explore the structural devices and effect of creative texts and applying this to their own writing	In term 4 geography students will look at the movement of water in and around drainage basins and into rivers, looking at how flooding is caused and the effects of it - using a case study to base a written assessment on. Following this, students will be begin to learn about coastal processes including erosion, deposition and longshore drift; the impacts of these and how the coast can be protected from these processes. There is a heavy emphasis on developing and explaining the processes in this term.	Term 4 looks at the different events in the Stuart time period. This term students begin to look at different sources and interpretations about different events and individuals. Students will learn how to gain information from a variety of different sources to gain an overall impression. There will be one written assessment at the end of the term.	Shape and Space topic. Engage tasks take place every lesson and a close the Gap test every two weeks. This topic investigates measuring, drawing, constructing and classifying angles. The concepts of angles on parallel lines and in polygons. Area perimeter and volume of both 2D, compound and 3D shapes. Extension tasks will include finding volume of cones, pyramids and spheres plus surface area of 3 D shapes	Food and Drink - Looking at the food and drink of the target culture, describing and comparing to the UK. Mealtimes and customs abroad. Shopping, practicing numeracy and real-life application of language skills. Healthy living and lifestyle. Listening and reading practice.	Athletics/Badminton /Ultimate Frisbee. Students will be encouraged to venture out of their comfort zone and try new events and sports. These sports endeavour to promote concepts of self-improvement, determination and collaboration. Students will be reliant on each other to succeed and will need to agree common goals. The range of sports on offer covers both individual and team challenge, addressing the skill set of each student. Students will focus on game tactics and strategy in order to achieve game success. Students	Students will look at the importance of forming positive relationships throughout their lifetime. Students will explore what a positive relationship is and how to identify negative relationships. Students will look at how to stay safe online as well as understand signs of online peer pressures.	Term 4 focuses on physics and biology with topics covering light, energy and plant reproduction. Revision time is provided in week 6 followed by a trust assessment and the opportunity to close the gap. Following the assessment and depending on the group pupils will either cover earth and space, mixtures or nutrition.
Term 5	Students experiment with the basic art techniques through projects devised by the art teacher. These projects can be influenced by Artists and the world around you. Students are given constant verbal feedback to improve their levels.	Digital Media - Students will spend term 5 utilising the Adobe Creative Suite including Photoshop, Premiere Pro and Adobe Audition. Students will plan and create their own website which includes their own images, videos and audio elements. As well as practical skills, students will learn fundamental planning skills through the creation of mood boards, wireframes, Gantt charts and storyboards.	Systems - Textiles - PCB. Students will learn some basic skills in electronics including how to solder and how to populate a basic PCB board. Students will complete an end of topic theory test on systems and electronics.	Introduction to Victorian fiction, enabling students to explore more classical fiction and their contexts	In term 5 students focus on their upcoming fieldwork in Hunstanton, looking at where Hunstanton is, why it is popular with visitors and the development of sand dunes and marram grass. At each lesson the new content is linked with processes learnt from last term. A day fieldtrip to Hunstanton is held this term, and there is a heavy focus on fieldwork skills including sampling methods. The assessment for the term is based on a written report of the day and the findings of our report; and a group presentation on our	Term 5 students get the opportunity to explore their local history. Students carry an independent research study on an event or individual which is local to the area. The unit aims to encourage students to become more independent in their exploration of history and give students the opportunity to study their own area of interest. Students will gain an understanding of how to research, present and display information effectively. The students will have to create a presentation and display as their	Ratio and Proportion topic. Engage tasks take place every lesson and a close the Gap test every two weeks. Students will write, simplify and divide quantities into given ratio. They will investigate Best buy, recipe problems. Using coordinates they will plot and interpret linear graphs. Transformations of 2D shapes i.e. Reflection, Rotation, Enlargement and translation. Extension tasks include investigating similar and congruent shapes.	School Life - Describing your school and your opinions on it. Comparing UK and German schools. Telling the time in German. Thinking about future plans and careers which involve languages and language skills. Consolidating grammar and skills.	Rounders/Cricket/Soccer/ Football. Students will learn the value of effective communication and team work. Striking and fielding games require peer collaboration and active listening. Students will learn to lean on each other and support one another in order to achieve. These sports also encourage development of hand-eye-coordination and well as, speed, agility and quickness. Students will embrace the idea of tactical thinking and discuss their solutions to potential barriers and seek solutions. Students are	The last term of year 7 students reflects on their first year of school. Students will identify areas of strengths and develop in order to set goals for the forthcoming year. This will be supported by student thinking about future careers and where they want to go after school. Students will look at what job opportunities are open to them to provide them with context of a personal end goal.	The two topics not taught at the end of term 5 are taught at the start of term 5, followed by the study of rocks in chemistry, unicellular organisms in biology and finally fluids in physics.