Year 7 Subject Information

Subject	**Art and Design**
Main Topics/Skills Covered During Year 7	**The Art Elements - "**Tools of the Trade"- Leaves Project - Covers drawing skills and the Art Elements; shape, form, line, tone, texture as well as composition leading to an observational drawing assessment. Analysis of the elements that make a good drawing. **Colour/Logo/Printing Project -** Focuses on pattern, colour and printing skills. Students are asked to consider how pattern and colour are used in a variety of Art works including William Morris and logo design. The art language/artist analysis/evaluating own and work of others is covered in this project. Links to mathematics explored. **Fish Painting/Eco Project -** Watercolour Painting, Colour Pencil Rendering and 3D Eco sculptures. The art language/artist analysis/evaluating own and work of others is covered in this project. Research artwork from other cultures; Asian, European and American. **Final Drawing Assessment -** An opportunity to demonstrate the progress they have made in Year 7.
How Are Students Grouped?	Students are taught in mixed ability classes.
Home Learning Plans	One formal set Home Learning differentiated task will be set once every half term with small collecting homework tasks given as required. (Collecting Home Learning tasks may include collecting materials, finding relevant artists/adverts/learning about the colour wheel etc...). Formal Home learning tasks will focus on drawing and Artist analysis. KS3 Students are encouraged to join us in Art 2 after school on a Monday: 3.20 pm till 4.20 pm. This is an opportunity for students to complete Home Learning or extend class work. Resources will also be added to the Art Department twitter (@ArtTrinityCA1) eg colour theory for Year 7. We do also at times share good examples of students work.
Main Knowledge, Understanding and Skills to Develop **Literacy** **SMSC**	Understanding the art elements: Line, Tone, Texture, Pattern, Colour, Shape and Form. To analyse artists' use of media, art elements, ideas and intentions. To write about their own work and that of others analysing and evaluating key words. To improve and extend a range of practical skills including; drawing, painting, printmaking, 3D modelling, collage, colour mixing. To make progress based on peer assessment and next step feedback provided by their Art teacher. Students are taught to use materials and equipment safely. To learn the key words appropriate for our subject. Students will refer to our Department Literacy Mat which will be referred to in student's sketchbooks. We promote spiritual, moral, social and cultural development in our subject by exploring different Artists and Cultures interpretations of life experiences and events. Students explore how Art works reflect different moral attitudes/beliefs and explore their own feelings and responses to those artworks. We develop team skills and respect for the learning environment, resources, and peers and teaching staff alike. Students work together to evaluate and review each other's work; helping each other to succeed. We encouraging students to explore and contrast different beliefs and ways of living in Britain and abroad. Students develop aesthetic and critical awareness of art work from around the world. We also encourage students to enter competitions both locally, nationally and internationally.

Year 7 Subject Information

Subject	**Computing**
Main Topics Covered During Year 7	During this year students work on a series of computing projects to help develop computational thinking and IT user skills. **Introductory Project** - getting to know the school network and school ICT systems, word processing, presentation software, the dangers of social networking, cyberbullying and viruses. **An Introduction to Computing -** this project introduces students to the concept of binary, including binary arithmetic. Also included is an introduction to algorithms, and students will produce some basic programs using Blockly and Python programming languages. **How It All Works -** students will learn the purpose of the components inside a computer and how they all work together. **Micro:bit Madness** - Building on the introductory unit students will produce a series of computer programs which will then be loaded onto BBC Micro:bits and tested. **Modelling** - using Spreadsheet software students will learn the concept of modelling and how it can be applied to real world situations.
How Are Students Grouped?	Mixed ability.
Home Learning Plans	There will be a series of home learning tasks that will support ongoing project work during the year. This work will form part of students' assessment and will be used to determine the progress that they are making. The following websites will be used: www.code.org www.microbit.co.uk/create-code
Main Knowledge, Understanding and Skills to Develop	Be able to safely use the school network and the internet. Be aware of the risks involved with using social media. Understand why binary is used and be able to convert between binary and denary. Be able to produce algorithms and create basic computer programs using different programming languages. Identify the components of a computer and understand how they work together. Be able to model scenarios.

Year 7 Subject Information

Subject	**Design and Technology - Product Design**
Main Topics Covered During Year 7	During this year students work on a series of design and workshop assignments to help develop their Design and Technology capability. **Introductory Project** - designing and making an ID tag, learning to design through analysing and modelling, introduction to the safe use of workshop equipment and machinery. **Computer Aided Design (CAD) - introduction to CAD -** designing a personal logo using our departmental CAD/CAM software. **Phone/Tablet Holder -** using the skills and knowledge from the previous projects to design a phone/tablet holder. Students work within a team and focus on producing four identical designs which their team has developed.
How Are Students Grouped?	Mixed ability.
Home Learning Plans	There will be a series of home learning tasks that will support ongoing project work during the year. This work will form part of students' assessment and will be used to determine the progress that they are making. www.technologystudent.com is a useful and student friendly site which is interactive.
Main Knowledge, Understanding and Skills to Develop	Be able to analyse a design and explain advantages and disadvantages. Produce design ideas which are relevant to a design brief. Write out the sequence of carrying out a practical activity. Know how to use machines safely. Recognise tools and explain how to use them. Be able to identify materials. Identify hazards and explain how to use machines and equipment safely. Be prepared to work independently and within a team.

Year 7 Subject Information

Subject	**Design and Technology - Cooking and Nutrition**
Main Topics Covered During Year 7	Basic Skills Assessment - Pasta/Rice Salad and Rock Buns. Weighing and Measuring Ingredients. Safety in the Kitchen. Safe Use of the Cooker. Food Hygiene. Healthy Eating/Nutrition/Eat Well Guide. Fruit and vegetables - Seasonability and Sensory Evaluation. Importance of Breakfast/Carbohydrate. Dairy Foods. Sainsbury's Bronze Chef Award.
How Are Students Grouped?	Mixed ability.
Home Learning Plans	There will be a series of home learning tasks that will support ongoing project work during the year. This work will form part of students' assessment and will be used to determine the progress that they are making. Later in the year there will be a Year 7 Design and Technology examination which will be required to prepare for.
Main Knowledge, Understanding and Skills to Develop	Know how to work safely and hygienically. Develop basic practical skills - use of the oven/hob, weighing, cutting, chopping, rubbing in etc and how to adapt and change recipes. Carry out research and use this to develop creative/challenging practical ideas. Trial and evaluate ideas through peer and self assessment. Have a good understanding of the importance of a 'balanced diet', 'Eat Well Plate' and nutrients found in food.

Year 7 Subject Information

Subject	**Design and Technology - Textiles**
Main Topics Covered During Year 7	**Two projects** **Project 1** Basic Skills Booklet- Identifying equipment and its function: Accurate measuring: Template making: tracing shapes: cutting out fabrics: learning to thread and thread the sewing machine: basic sewing machine tasks. Safety in the Textiles Room. Correct Use of Sewing Machine. **Project 2** Design Work. Research - Mood Boards. Product Design Ideas. Working with Fabric Crayons/Applique and Sublimation Printing. Hand Embroidery. Machine Quilting. Design Task - Soft furnishing product eg Cushion or wall hanging
How Are Students Grouped?	An initial skills assessment is made during the first four weeks and this produces a baseline National Curriculum Level assessment. Students will remain in mixed ability groups working with differentiated sheets and challenge criteria.
Home Learning Plans	History time – Invention of the sewing machine. Embroidery practical research. Learn the parts of the sewing machine flip the homework strategy and PowerPoint. Independent working from homework tasks.
Main Knowledge, Understanding and Skills to Develop	How to work safely with equipment in Textiles and be familiar with the design process. Develop basic practical skills, cutting, pinning, tacking, sewing etc and how to adapt and change design ideas. Students will build and apply a repertoire of knowledge, understanding and skills in order to design and make high quality prototypes. Will learn to critique, analyse and evaluate ideas. Understand the properties and origin of main fibre and fabric groups. Carry out research and analysis and use this to produce a range of suitable ideas. How to work effectively with fabric crayons and embellished fabric with hand and machine embroidery. Formal teacher assessment of the completed product and supporting portfolio which contributes to the overall level that students will be awarded for Design and Technology KST3. A final written test is also completed and used to inform the final grade.

Year 7 Subject Information

Subject	**English**
Main Topics Covered During Year 7	Across Key Stage 3 students will study the history of English Literature chronologically. The Year 7 course focuses on the origins of English up to the Renaissance. All classes will cover the following: **Reading** Poetry - from *Beowulf* through to Medieval and Renaissance poems, drama texts such as Marlowe's *Dr Faustus*, and a variety of prose and non-fiction units will be covered through the year. **Writing** A range of writing units will be taught across the year - with particular focus on producing extended pieces of writing, planning whole texts, advanced uses of punctuation, ambitious vocabulary and paragraphing for meaning.
How Are Students Grouped?	Students are grouped according to their KS2 reading results at the start of the year. After baseline testing in writing (using the new GCSE criteria and assessment structure), students are moved, if necessary. Groups are reviewed at key points in the year based on students' progress.
Home Learning Plans	There are unit specific homework tasks which are set by the class teacher on an individual basis, but these reflect the department's development of 'flipped learning'. Each week, students should also have shorter grammar, punctuation or spelling work to complete.
Main Knowledge, Understanding and Skills to Develop	**English Language: Reading** **AO1** Identify and interpret explicit and implicit information and ideas select and synthesise evidence from different texts. **AO2** Explain, comment on and analyse how writers use language and structure to achieve effects and influence readers, using relevant subject terminology to support their views. **AO3** Compare writers' ideas and perspectives, as well as how these are conveyed, across two or more texts. **AO4** Evaluate texts critically and support this with appropriate textual references. **English Language: Writing** **AO5** Communicate clearly, effectively and imaginatively, selecting and adapting tone, style and register for different forms, purposes and audiences. Organise information and ideas, using structural and grammatical features to support coherence and cohesion of texts. **AO6** Candidates must use a range of vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and punctuation. **English Literature** The criteria for English Literature are very similar to the reading assessment objectives; **AO1** and **AO2** are very similar. **AO3** is different, assessing students' ability to show understanding of the relationships between texts and the contexts in which they were written. **AO4** is on written communication - so even when completing English Literature work students will need to have excellent language skills.

Year 7 Subject Information

Subject	**Geography**
Main Topics Covered During Year 7	Following our review of our Key Stage 3 course, all of our Year 7 students will study these topics: • Animal Kingdom • Atlas Skills • Settlement • OS Map Skills • India • Rivers and Glaciation
How Are Students Grouped?	Students have one Geography lesson per week. Initially they are taught in form groups.
Home Learning Plans	Year 7 students will have home learning once per week, which will take different forms such as researching, collecting or providing written answers.
Main Knowledge, Understanding and Skills to Develop	Year 7 will provide students with a good grounding of their home city, their home region and the wider world. They will be shown the basic map work skills based around Ordnance Survey map extracts, and will use a map in some form every lesson. Through the use of Geographical Information Systems students will see how data can be collected and used to provide information on a range of themes such as wealth, crime and tourism.

Year 7 Subject Information

Subject	**History**
Main Topics Covered During Year 7	The Middle Ages 1066-1500: • The Battle of Hastings and the Norman Conquest • The Crusades • Medieval Kings (especially King John) • Life in the Village and Town Life • The Black Death • The Peasants' Revolt
How Are Students Grouped?	Students are currently being taught as Form groups.
Home Learning Plans	**Term 1** An initial timeline on the Anglo-Saxons; then a project on Medieval Castles and a second one on the Medieval Church. **Term 2** A project on English Kings in the Middle Ages. **Term 3** A project on Wales/Ireland/Scotland in the Middle Ages. Revision for tests and assessments will be set as appropriate.
Main Knowledge, Understanding and Skills to Develop	Communication Skills - Describing and explaining in paragraphs. Using sources - Comprehension, comparison and evaluation of reliability. Causation - Why events happen in history. Change - What changes took place and who was affected. Interpretations - Understanding there are different views about history and how these views come about.

Year 7 Subject Information

Subject	**L2L**
Main Topics Covered During Year 7	Learner KEQS (Knowledge, Experiences, Qualities and Skills). Readiness for Learning. The Attributes of Great Learners (The 5Rs Resilience, Reasoning, Responsibility, Reflective, Resourceful). The Roles in Great Teams (The 5 Cs Coordinator, Charter, Classifier, Clarifier, Creator). Thinking Skills. Peer and Self Assessment. Improving memory. The 5Ws and a H.
How are Students Grouped?	Students are taught in twelve groups and are in the same groups as for Art, DT and IT.
Home Learning Plans	Home Learning is often research and enquiry based and is given as when a learning cycle demands it.
Main Knowledge, Understanding and Skills to Develop	Reasoning. Reflectiveness. Responsibility. Resourcefulness. Resilience. Attributes of Great Learners and Learning. Setting Goals. Assessing Self and Others. Working from Success Criteria. Presentation Skills.

Year 7 Subject Information

Subject	**Mathematics**
Main Topics Covered During Year 7	We will study Number, Algebra, Geometry, Ratio, Statistics and Probability.
How Are Students Grouped?	On entry to Year 7 students are set on ability across the year: there are ten groups. Students will work in these groups for three of the four hours of Mathematics. For the fourth hour they will study key skills in half year sets.
Home Learning Plans	Maths homework is set regularly by the class teacher. Pupils should expect to get a 30 minute homework at least once a fortnight. Maths is not part of the home learning timetable.
Main Knowledge, Understanding and Skills to Develop	Students practice written and mental calculations throughout the year involving decimals, fractions and percentages. We will look at the role of place value, powers and roots, sequences, ratios and primes. In algebra we study the basics of algebra, the use of variables and solving equations in context. We will identify regular polygons, explore transformations of these shapes and examine their area and perimeter and other properties. In Data Handling we will look at different methods of representing and analysing data, perform experiments and compare distributions.

Year 7 Subject Information

Subject	**MFL - French and Spanish**
Main Topics Covered During Year 7	The areas of experience covered in Year 7 are: • Self • Family • School • Free Time • House and Home • Town
How Are Students Grouped?	Students are in Form groups for the whole of Year 7. Following careful moderation and assessment they are then set in Year 8 according to ability.
Home Learning Plans	Students are regularly set Doddle homework which is based around the topics of study. There is also access to the language support booklet which allows parents and students to clarify any language they do not understand. One learning homework plus one writing/reading/listening/speaking homework will last 20 minutes approximately and will be given once per week.
Main Knowledge, Understanding and Skills to Develop	The four main areas of Modern Language study apply to all year groups: • Listening • Reading • Writing • Speaking Students develop their use of the language moving from word level to complex sentences which include reference to a past or future tense. Students are encouraged to give personal responses and opinions in their work. They will have access to a variety of structures which they can effectively use in their work. Listening and reading skills develop through identifying main points/detail recognising tense change and using the context to understand unfamiliar language. They will be encouraged to look at photos and detail what they see, a much needed skill at GCSE level. Students will be using the basic and more complex grammar structures to manipulate the language on a regular basis. They will also have access to authentic materials and cultural reference throughout the year incorporating film and poetry as well as other cultural references.

Year 7 Music Information

Subject	**Music**
Main Topics Covered During Year 7	Through a variety of practical and theoretical activities students learn about music notation, performance, composition and develop skills in singing and keyboard. Topics include: Marches, Waltzes, Baroque, Classical, Romantic, Music for Heroes
How Are Students Grouped?	Students are currently taught in mixed ability form groups.
Home Learning Plans	Students receive one homework project each half term and this research work is in preparation for the following half term's topic. Students will show their research through the appraising task and the appraising task will be either teacher, peer or self assessed with G and I feedback.
Main Knowledge, Understanding and Skills to Develop	Music Notation - Pitches and Rhythm. Keyboard Skills. Composition Skills. Performance Skills. Context of the Music. Key Musical Language.
SMSC	We promote spiritual, moral, social and cultural development in our subject by exploring context behind the set works. We also encourage students to join ensembles inside and outside school, see a wide range of music in concert. There is also the opportunity to enter festivals and competitions in Carlisle and Nationally.

Year 7 Subject Information

Subject	**Physical Education**
Main Topics Covered During Year 7	Students will take part in a variety of the following activities: • Rugby • Football • Basketball. • Badminton • Netball • Hockey • Swimming • Gymnastics • Dance • Athletics • Cricket • Rounders • Short Tennis • Tennis The activities will be dependent on availability of facilities.
How Are Students Grouped?	Mixed ability for first six lessons enabling us to make a baseline assessment. Students are then put into ability groups, these groups are then reviewed.
Home Learning Plans	Homework is not set BUT we do expect students to: • Develop skills/fitness outside of lessons where possible. • Take up opportunities to join extracurricular clubs. • Pack PE kit the night before the lesson.
Main Knowledge, Understanding and Skills to Develop	**Aims** Acquire and develop new and previously learned skills, become more competent, confident in their techniques, and apply these across different sports and physical activities. Understand what makes a performance effective and how to apply these principles to their own and others' work. Develop the confidence and interest to get involved in exercise, sports and activities out of school and in later life. Be physically active for sustained periods of time. Understand and apply the long term health benefits of physical activity. Develop knowledge and understanding of the activities covered, through work in lessons, extracurricular activities, watching/reading. Develop the ability to work with others in group situations, giving help and advice **Expectations** To bring full/correct Trinity kit for all lessons. To give your best in all activities. **Remember** Health Body = Healthy Mind. Attitude and Effort = Achievement.

Year 7 Subject Information

Subject	**Religious Studies**
Main Topics Covered During Year 7	**Who are we?** (Religions in Britain). **The World's Best Selling Book** (Study of the Bible). **The Greatest of Celebrities** (The Life of Jesus). **The Truth is out there**. (Concepts of God). **Founders and Festivals** (Origins and Celebrations).
How Are Students Grouped?	Students are taught in mixed ability Form groups.
Home Learning Plans	Home Learning is set every half term. Students have two weeks to complete the tasks from a choice of learning styles. All Home Learning should take at least two hours to complete.
Main Knowledge, Understanding and Skills to Develop	The two main RS skills are for students to be **Informed** and **Reflective.** They should have **knowledge and understanding** about the religious and non religious responses to the big questions of life and how these are seen in everyday life. Students should **reflect** on and express their own views while thinking about the beliefs and values of others. '*Pupils should not just learn about religion but also about themselves from religion.'*

Year 7 Subject Information

Subject	**Science**
Main Topics Covered During Year 7	Cell biology - includes plant and animal cells, microscopy and organ systems Ecology - includes interdependence, adaptations, food chains and ecological investigations. Nature of matter - includes states of matter, atoms, compounds and mixtures, separation of mixtures. Chemical change- includes chemical reactions, acids and bases, neutralisation, salt formation, metals, acids, reactivity series. Organic Chemistry - includes crude oil, hydrocarbons, fractional distillation, fuels, alkanes, alkenes, and polymerisation. Energy, Forces and Particles and Matter - includes the types of energy, contact and non-contact forces, solids, liquids and gases.
How Are Students Grouped?	The year group is split into two half populations, X and Y. Within each population students are banded using a data from a baseline test completed in September. Individuals may be moved sets if their teachers feel this would benefit their learning.
Home Learning Plans	Students are set regular homework - this may be learning, research, reading or a written homework designed to consolidate or extend learning in class. Longer homework tasks may be set over a number of weeks. Students in shared groups will have work set by each of the teachers on a rotating basis.
Main Knowledge, Understanding and Skills to Develop	Knowledge and understanding of key facts from topics listed above. Application of Knowledge. Evaluation of Experimental Technique. Analysis of Data. Maths Skills.