

Year 8 – What will my child learn this half term?



Subject	Content
Art	<p>Landscape: To develop knowledge of foreground, background and horizon line, using mark making and texture. Further increasing knowledge on composition (detail and colour recession) design and use of materials, developing into collage from a more detailed piece.</p>
Computing	<p>Algorithms - Algorithms; Programming and Development - Scratch - Guess My Number Game Python - Dice Game</p>
DT Product Design	<p>Product- Be Seen Project and Headphone holder driving test Knowledge of materials and manufacturing: Using risk assessment tables Advanced Hegner saw and sander skills developed while mould making Introduction to electronics, learning soldering Sublimating and forming thermoplastics Simple electronic components and their functions How the circuit is powered and controlled.</p>
DT Food	<p>Food- Nutrition for Life Knowledge of materials and manufacturing: Develop a greater knowledge of a wider range of specific nutrients and where they can be found in food. Gelatinisation Increase knowledge of cooking methods – rubbing in Make an increasing complex range of dishes Investigate the role of different sugars in the sensory analysis of a simple cake recipe What is a staple food. Safe storage of food Knowledge of design: Draw and label ideas for products Evaluate using star profiles and a greater range of sensory descriptors</p>
DT Textiles	<p>Textiles- Knowledge of materials and manufacturing: More complex construction techniques Applying elastic Precision construction and decorative techniques More advance decorative techniques Knowledge of design: Using a theme to inspire designs</p>
English	<p>The Romantic Imagination Texts: The Rime of the Ancient Mariner; selection of Romantic Poetry</p> <p>All Key Concepts (except spelling) assessed</p>
French	Module 5: Le sport en direct Sports

Year 8 – What will my child learn this half term?



German	Unit 5: Wir gehen aus Discussing dates and outings
Geography	How do rivers shape the landscape? Why are they important? What impacts does flooding have and what can we do about it? Rivers & Flooding
History	ideas, political power, industry and empire: Britain, 1745-1901 - What was the shared experience of the Atlantic Slave Trade? BV = Democracy
Maths	Developing Geometry: Angles in Parallel Lines and Polygons, Area of trapezia and Circles, Line Symmetry and Reflection
Music	Guitar - Riffs Chords Chord progressions Performance
PE	Acquiring knowledge, Skill development. - Athletics, Rounders, Cricket.
RE	Islam and Judaism - Islam where does it come from?, Islamic Beliefs, Five Pillars, Mosque, Hajj
Science	Variation: Variation, Continuous and discontinuous variation, Inheritance, Chromosomes, genes and DNA, DNA model, Mitosis & Meiosis Organic Resources: Crude Oil, Fractional Distillation, Name alkanes, Combustion, Combustion Investigation Light: Seeing Things Light Waves, Reflection, Mirrors and Ray Diagrams, Refraction, Lenses