



# Autumn Term 2024

## Curriculum Overview for Tigers class

**PUPIL:**

**CLASS:** Tigers

**YEAR:**

Core Subjects	MATHS	ENGLISH	SCIENCE	ICT
Theme	<b>Unit 6: Angles</b> <b>Unit 7: Averages and range</b>	Pearson English Language Tier 3	<b>Light and the Electromagnetic Spectrum</b> <b>Radioactivity</b>	<b>Principles of Computer Science</b> <b>Computational Thinking</b>
Autumn 1	<b>Angles</b> <ul style="list-style-type: none"> <li>• Properties of shapes</li> <li>• Angles in parallel lines</li> <li>• Angles in triangles</li> <li>• Exterior and interior angles</li> <li>• Exterior and interior angles</li> <li>• More exterior and interior angles</li> <li>• Geometrical problems</li> </ul> <b>Averages and range</b> <ul style="list-style-type: none"> <li>• Mean and range</li> <li>• Mode median and range</li> <li>• Types of average</li> <li>• Estimating the mean</li> </ul>	<b>Texts include:</b> <b>Till death do us part?:</b> <ul style="list-style-type: none"> <li>• The Mayor of Casterbridge (Hardy)</li> <li>• Love is not all you need in a marriage (Lott)</li> </ul> <b>In captivity:</b> <ul style="list-style-type: none"> <li>• The Handmaid's Tale (attwood)</li> <li>• An Evil Cradling (Keenan)</li> </ul> <b>Women in society:</b> <ul style="list-style-type: none"> <li>• Pride and Prejudice (Austen)</li> <li>• Lovely prom dress, angel. Your carriage to absurdity awaits (Knight)</li> </ul>	<ul style="list-style-type: none"> <li>• Ray Diagrams</li> <li>• Core Practical - Investigating refraction</li> <li>• Colour</li> <li>• Lenses</li> <li>• EElectromagnetic Waves</li> <li>• The Electromagnetic Spectrum</li> <li>• Using Long Wavelengths</li> <li>• Radiation and temperature</li> <li>• Core practical - Investigating radiation</li> <li>• Using Short wavelengths</li> <li>• EM dangers</li> <li>• Atomic Models</li> <li>• Inside Atoms</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to programming</li> <li>• Embedded systems</li> <li>• Subprograms</li> <li>• The Internet of Things</li> <li>• Local, global</li> <li>• Packet switching</li> <li>• Maths, Time</li> <li>• TCP/IP 1</li> <li>• Problem solving</li> <li>• TCP/IP 2</li> <li>• Trace tables</li> <li>• Errors</li> </ul>

Foundation Subjects	ASDAN - Beliefs and Values	NCFE Cooking	ASDAN - Living Independently	PSHE
Autumn 1	<ul style="list-style-type: none"> <li>Why do we go to War?</li> <li>Our Armed Forces</li> <li>Weapons of Mass Destruction</li> </ul>	<p><b>Theory:</b></p> <ul style="list-style-type: none"> <li>Exploring balanced diets - task 1 - balanced diets and nutrients</li> <li>Exploring balanced diets - task 2 - RI/GDA and food labels</li> </ul> <p><b>Practical:</b> starters and desserts</p> <ul style="list-style-type: none"> <li>Nachos</li> <li>Bruschetta - garlic and cheese</li> <li>Pate and melba toast</li> <li></li> <li>Japanese cheesecake</li> <li>Chocolate brownies and ice cream</li> <li>Eton mess</li> </ul>	<p><b>MODULE 2</b> <b>Keeping track of your money</b></p> <ul style="list-style-type: none"> <li>Household bills</li> <li>Energy suppliers</li> <li>Costs of rented accommodation</li> </ul>	<p><b>Health and Wellbeing pt2:</b> Health &amp; Personal Safety</p> <ul style="list-style-type: none"> <li>Acid attacks</li> <li>Self-Harm</li> </ul> <p><b>Living in the Wider World 2:</b> Careers &amp; Enterprise</p> <ul style="list-style-type: none"> <li>Taking control of my future (1)</li> <li>Work skills, enterprise and the work environment</li> <li>What exactly is enterprise and what are enterprising skills and qualities?</li> </ul>

Subject	MATHS	ENGLISH	SCIENCE	ICT
Theme	Unit 7: Averages and range Unit 8: Perimeter and volume 1 Unit 9: Graphs	Pearson English Language Tier 3	Radioactivity Astronomy Forces and their Effects	Principles of Computer Science Computational Thinking
Autumn 2	<p><b>Averages and range</b></p> <ul style="list-style-type: none"> <li>Sampling</li> </ul> <p><b>Perimeter and volume 1</b></p> <ul style="list-style-type: none"> <li>Rectangles, parallelograms and triangles</li> <li>Trapezia and changing units</li> <li>Area of compound shapes</li> <li>Surface area of 3D solids</li> <li>Volume of prisms</li> <li>More volume and surface area</li> </ul> <p><b>Graphs</b></p> <ul style="list-style-type: none"> <li>Coordinates</li> <li>Linear graphs</li> </ul>	<p>Texts include:</p> <p><b>First love:</b></p> <ul style="list-style-type: none"> <li>A letter from John Steinbeck to his son</li> <li>Why you should leave your first love (Buchanan)</li> </ul> <p><b>Space travel:</b></p> <ul style="list-style-type: none"> <li>Review of Gravity (Collin)</li> <li>Letters of note: In the event of a moon disaster (Safire)</li> </ul> <p><b>Madness:</b></p> <ul style="list-style-type: none"> <li>Sane new world (Wax)</li> <li>Jane Eyre (Bronte)</li> </ul>	<ul style="list-style-type: none"> <li>Electrons and Orbits</li> <li>Background Radiation</li> <li>Types of Radiation</li> <li>Radioactive Decay</li> <li>Types of Radiation</li> <li>Radioactive Decay</li> <li>Half- Life</li> <li>Using Radioactivity</li> <li>Dangers of Radioactivity</li> <li>Radioactivity in Medicine</li> <li>Nuclear Energy</li> <li>Nuclear Fission</li> <li>Nuclear Fusion</li> <li>The Solar System</li> <li>Gravity and Orbits</li> <li>Life Cycles of Stars</li> <li>Red Shift</li> <li>Origin of the Universe</li> <li>Work and Power</li> <li>Vector Diagrams</li> <li>Rotational forces</li> </ul>	<ul style="list-style-type: none"> <li>Bubble sort</li> <li>Environmental impact: manufacture and use</li> <li>Binary search</li> <li>Environmental impact: e-waste</li> <li>Problem solving</li> <li>Low-level and high-level languages</li> <li>Assessment</li> <li>Translators</li> <li>Data types, string manipulation, validation</li> <li>Intellectual Property</li> <li>Data structures (one dimensional)</li> </ul>

Foundation Subjects	ASDAN - Beliefs and Values	NCFE Cooking	ASDAN - Living Independently	PSHE
Autumn 2	<ul style="list-style-type: none"> <li>Why do we go to War?</li> <li>Our Armed Forces</li> <li>Weapons of Mass Destruction</li> </ul>	<p><b>Theory:</b></p> <ul style="list-style-type: none"> <li>Exploring balanced diets - task 3 - healthy and unhealthy recipes</li> </ul> <p><b>Practical:</b></p> <ul style="list-style-type: none"> <li>Main meals</li> <li></li> </ul>	<p><b>Earning and spending money:</b></p> <ul style="list-style-type: none"> <li>Task 5 - Costs of rented accommodation</li> </ul> <p><b>MODULE 4: A Place of Your Own</b></p> <ul style="list-style-type: none"> <li>Task 1 - Different Housing Options</li> <li>Task 2 - Types of Landlord</li> </ul>	<p><b>Living in the Wider World 2:</b> Careers &amp; Enterprise</p> <ul style="list-style-type: none"> <li>Enterprise and workplace skills and characteristics</li> <li>The big careers quiz</li> </ul> <p><b>Citizenship:</b> Rights and Responsibilities</p> <ul style="list-style-type: none"> <li>Who are UNICEF and how do they help around the world?</li> <li>Human rights: trafficking</li> <li>How and why does the UK help people in other countries?</li> <li>What is sustainability and how can we personally live in a more sustainable way?</li> </ul>

Additional Learning and Therapeutic Opportunities to meet my individual needs, aspirations and Interests.			
Aut 1 PE: CCFC	Wellbeing Coaching	Bushcraft and Outdoor Adventures	"Talkabout for Teenagers"
Aut 2 PE: CCFC			
Occupational Therapy (FMS, GMS, Sensory Diet) programme	Guitar/ music production	Careers Guidance	