



## Science at Catshill Middle School

Catshill Middle School offers a broad, engaging curriculum that develops knowledge, skills, and creativity across core subjects, sciences, arts, and technology. Students explore real-world contexts, build practical and academic skills, and are encouraged to think critically, collaborate, and achieve their potential.

<b>Year 5</b>	<b>Forces</b> 	<b>Space</b> 	<b>Living Things</b> 	<b>Life cycles</b> 	<b>Reproduction</b> 	<b>Changing materials</b> 
<i>Curriculum focus</i>	Forces Forces in everyday life and motion	Planets, stars, and the Solar System	Characteristics and needs of living things	Comparing life cycles of different species	How plants and animals reproduce	Reversible and irreversible material changes
<b>Year 6</b>	<b>Electricity</b> 	<b>Renewable energy</b> 	<b>Light</b> 	<b>Circulatory System</b> 	<b>Variation</b> 	<b>Fossils</b> 
<i>Curriculum focus</i>	Circuits: components and how electricity flows	Solar, wind, and hydro energy sources	How light travels and reflects	Blood vessels: arteries, veins, and capillaries	Inherited and environmental variation	Studying evolution through fossil records
<b>Year 7</b>	<b>Particle Model</b> 	<b>Cells</b> 	<b>Space</b> 	<b>Acids and Alkalis</b> 	<b>Human reproduction</b> 	<b>Sound</b> 
<i>Curriculum focus</i>	Solids, liquids, and gases explained with particles	Structure and function of plant and animal cells	The Solar System: planets, moons, and orbits	Properties of acids and alkalis	Male and female reproductive systems	Pitch, volume, and frequency of sounds
<b>Year 8</b>	<b>Energy</b> 	<b>Periodic Table</b> 	<b>Digestion</b> 	<b>Forces</b> 	<b>Photosynthesis</b> 	<b>Earth Science</b> 
<i>Curriculum focus</i>	Different forms of energy: kinetic, potential, thermal, etc.	Elements, symbols, and atomic numbers	Enzymes and their roles in digestion	Gravity and weight, Friction and air resistance	Process of photosynthesis in plants	Rocks: igneous, sedimentary, and metamorphic
<b>Beyond CMS</b>	<p>Having completed Year Eight at Catshill Middle School, the vast majority of pupils move on to local high schools. They join pupils from a number of other schools and continue their science learning journey, exploring more complex concepts and practical investigations deepening their knowledge in Key Stage 3.</p>					