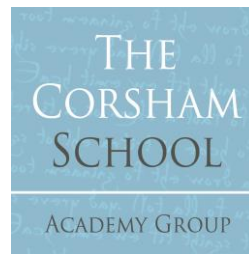


## SCIENCE - KS3 CURRICULUM RATIONALE

<b>What do we aim to achieve through the KS3 Curriculum</b>	<i>An introduction to the topics covered at KS4. This will develop key investigative skills and use of appropriate vocabulary. Students should be enthused and engaged in science.</i>
<b>What are learners entitled to</b>	<i>The KS3 National Curriculum for Science. Interesting and varied lessons which are differentiated appropriately to allow all students to make progress.</i>
<b>What should every child experience, what is non-negotiable and why?</b>	<i>Differentiated and stimulating activities that cover the KS3 National curriculum linking this to the world around us. Developing transferrable skills including investigational work, effective communication and numeracy, which can be used in the workplace.</i>
<b>What building blocks are we trying to establish to ensure success in KS4, what is the 5 year whole?</b>	<i>Good scientific skills and a grounding of key scientific concepts linked to the KS4 curriculum.</i>
<b>In preparing youngsters for their future communities, what is global in the KS3 curriculum?</b>	<i>Energy conservation, Carbon cycle, global warming, plastic pollution, genetics and ethics, biotechnology, biological biodiversity conservation, health eating and exercise, dangers of drugs, human reproduction.</i>
<b>What is distinctive and local about what we do and why is it important here in Corsham?</b>	<i>Professional link with Bath ASU. Ecology work with Corsham Court</i>
<b>What needs are we addressing among our youngsters specifically?</b>	<i>Building investigational, teamwork and problem solving skills. Highlighting range of possible STEM careers and futures.</i>
<b>How will we inspire/light fires and challenge in KS3?</b>	<i>Include relevant practical activities which promote and enhance learning and extra-curricular stretch and challenge tasks to allow independence.</i>



## SCIENCE - KS3 CURRICULUM RATIONALE

<b>What do we promote in terms of knowledge/skills/behaviours/organisation/opportunities for reflection/supporting emotional needs</b>	<i>TRIO – regular feedback and reflection to set targets for improvement. High expectations according to school policy.</i>
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