

COMPUTER SCIENCE - KS3 CURRICULUM RATIONALE

What do we aim to achieve through the KS3 Curriculum	<i>Develop the necessary skills knowledge and understanding to prepare students for GCSE IT courses, equip them with appropriate skills for all subjects and prepare them for appropriate computational thinking and skills in the wider workplace.</i>
What are learners entitled to	<i>Appropriately skilled and knowledgeable teachers, access to suitable resources including hardware equipment software and access, especially the disadvantaged.</i>
What should every child experience, what is non-negotiable and why?	<i>Exposure to all three strands of the National Curriculum (Information Technology, Computer Science and digital Literacy) to ensure that they are proficient users and practitioners while understanding the dangers and pitfalls of the technology.</i>
What building blocks are we trying to establish to ensure success in KS4, what is the 5 year whole?	<i>Develop the practical skills and understanding that are required as a foundation level of proficiency for either of the two courses at GCSE. This includes independent learning and self-motivation, resilience and critical thinking. This is built up through units based around IT skills, Coding and computational thinking and an overarching theme of digital literacy.</i>
In preparing youngsters for their future communities, what is global in the KS3 curriculum?	<i>The subject overall lends itself to an appreciation of a global community through the use and application of digital technologies.</i>
What is distinctive and local about what we do and why is it important here in Corsham?	<i>See above. The local issue is difficult to address and is less of a focus.</i>
What needs are we addressing among our youngsters specifically?	<i>Inclusion and access to the technologies that may not otherwise be available. Extra-curricular activities further promote and develop an</i>

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	<i>understanding of wider issues in Computer Science and possible future careers and opportunities.</i>
How will we inspire/light fires and challenge in KS3?	<i>Engaging and challenging activities combined with high expectations. This can involve independent projects and work, self-evaluation and reflection.</i>
What do we promote in terms of knowledge/skills/behaviours/organisation/opportunities for reflection/supporting emotional needs	<i>TRIO work to promote high expectations.</i>