

Curriculum Map	Subject	Computing	Year	8
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Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Python Recap	Student revisit the concepts in Python and start to explore the use of decisions.	Decomposition Abstraction Problem solving Team working	Online MS Forms	Social – how technology influences the local area Cultural – appreciating the impact gaming has made on society	Programmer Games Designer IT specialist	Maths Physics Business STEM
Understanding Computers	Student develop their understanding of how computers work. Students explore hardware, digital representation and binary conversions.	Identifying hardware & software Converting to different number systems (binary)	Online MS Forms	Social – how technology influences the local area Cultural – appreciating the impact gaming has made on society	Programmer Games Designer IT specialist Hardware Engineer	Maths Physics Business STEM
Microbits: Advanced	Students complete a series of projects with micro:bits. Revisiting key concepts and integrating more challenging techniques	Decomposition Abstraction Problem solving Team working	Online MS Forms	Social – how technology influences the local area Cultural – appreciating the impact gaming has made on society	Programmer Games Designer IT specialist	Maths Physics Business STEM
Intro to Photoshop	Students explore the basic tools in Photoshop to create creative pieces of digital graphics and pre-production concepts.	Photoshop Skills Sourcing Images Developing a sense of audience and purpose	Online MS Forms	Rule of law – laws around copyright Individual liberty – the ability to express yourself Social – is photoshop wrong?	Photographer Artist Graphic Designer Journalist 2D/3D Artist Game Designer	Art Geography Business STEM
Databases	Students build on knowledge from their spreadsheet module and explore how 'big data' is saved and used.	Decomposition Abstraction Problem solving Team working	Online MS Forms	Social – why give up your data to companies? Rule of law – DPA/GDPR	Database Engineer Marketing Analyst Social Media Manager	Maths Physics Business STEM
Python Extended	Student revisit the concepts in Python and start to explore the use of loops.	Decomposition Abstraction Problem solving Team working	Online MS Forms	Social – how technology influences the local area Cultural – appreciating the impact gaming has made on society	Programmer Games Designer IT specialist	Maths Physics Business STEM