

Select from and use a wider, more complex range of materials, components and ingredients, taking into account their properties	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Evaluate										
Analyse the work of past and present professionals and others to develop and broaden their understanding	✓	✓		✓		✓	✓	✓	✓	
Investigate new and emerging technologies		✓		✓				✓		<ul style="list-style-type: none"> Robots and AI research Impact of new technologies (cultural, ethical, legal)
Test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users and other interested groups	✓	✓	✓	✓		✓	✓	✓	✓	<ul style="list-style-type: none"> Construct 2 Python projects Testing final work for usability
Understand developments in design and technology	✓	✓	✓	✓		✓	✓	✓	✓	
Understand impact on individuals, society and the environment		✓		✓		✓	✓	✓	✓	<ul style="list-style-type: none"> Environmental impacts of computing Powerpoint E-Safety/staying safe online
Understand the responsibilities of designers, engineers and technologists			✓	✓		✓	✓	✓	✓	
Technical knowledge										
Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions	✓	✓	✓	✓		✓	✓	✓	✓	
Understand how more advanced mechanical systems used in their products enable changes in movement and force						★		✓		
Understand how more advanced electrical and electronic systems can be powered and used in their products						★				
Apply computing and use electronics to embed intelligence in products that respond to inputs and control outputs using programmable components						★			★	<ul style="list-style-type: none"> Microbits Maqueen robots
Cooking and nutrition										
Understand and apply the principles of nutrition and health				✓						
Cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet				✓						
Become competent in a range of cooking techniques				✓						
Understand the source, seasonality and characteristics of a broad range of ingredients				✓						

★ = Delivered as part of the D&T content during Year 9