



Key Stage 2 – Design Technology

Design Technology

DT1 - Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT2 - Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT3 - Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT4 - Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT5 - Investigate and analyse a range of existing products

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT6 - Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT7 - Understand how key events and individuals in design and technology have helped shape the world

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT8 - Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT9 - Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]

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DT10 - Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]

Not Met	Shallow	Emerging	Developing	Deepening	Functional
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DT11 - Apply their understanding of computing to program, monitor and control their products.



Not Met	Shallow	Emerging	Developing	Deepening	Functional