

KS3 Assessment at Braunton Academy

Design and Technology Year 7

Grade	Students at this grade will typically show the following by the end of Year 7 in Design & Technology
Showing Mastery	Consistently meet all the greater depth criteria with flair and creativity beyond the context of the task.
Working at Greater Depth	- Use research to identify a wide range of client needs in order to solve a problem - Communicate creative and detailed ideas using a range of techniques. - Create a complex product safely using a range of manufacturing skills accurately and independently with a high-quality finish. - Independently and correctly select from a range of tools and processes - Think through design & practical tasks independently - Carry out a detailed analysis of products/ideas and evaluate/test them against a specification suggesting suitable modifications to improve the design. - Analyse the work of others to develop and broaden understanding. - Produce food products based on the correct nutritional balance using the Eatwell Plate for guidance. - Understand that developments in design and technology can have an impact on society. - Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions.
Working at Expected Standard	- Use research to identify some client needs. - Communicate ideas using a given range of techniques. - Create a product safely using a range of manufacturing skills accurately and independently that functions effectively. - Independently and correctly select from a range of tools and processes. - Carry out an analysis of products/ideas and evaluate/test them against a specification suggesting some modifications to improve the design. - Analyse the work of others to develop and broaden understanding. - Think through design & practical tasks with a level of independence - Understand developments in design and technology and the impact on society. - Take account of the use and properties of materials to achieve functional outcomes. - Produce food products that show an awareness of correct nutritional balance using the Eatwell Plate for guidance. - Recognise how mechanical systems can be used to enable changes in movement and force.
Working Towards Expected Standard	- Understand the process of understanding client needs. - Communicate ideas using a visual or oral technique. - Create a product safely using a range of manufacturing skills with some accuracy and a basic level of functionality. - With support, select from a range of tools and processes. - Carry out an analysis of products/ideas and evaluate/test them against a specification with support. - Look at the work of others to develop an understanding of processes and materials - Be aware of the use and properties of materials to achieve functional outcomes. - Understand that movement and forces can be changed.

Design and Technology Year 8

Grade	Students at this grade will typically show the following by the end of Year 8 in Design & Technology
Showing Mastery	Consistently meet all the greater depth criteria with flair and creativity beyond the context of the task.
Working at Greater Depth	- Use appropriate research techniques to help to formulate design solutions showing an awareness of clients' needs and design context. - Communicate creative and detailed ideas and develop iterations. - Be able to write a specification based on client needs and research. - Create a complex product safely using a range of manufacturing skills accurately and independently with a high-quality finish. - Independently and correctly select from a range of tools and processes - Think through design & practical tasks independently - Carry out a detailed analysis of products/ideas and evaluate/test them against a specification suggesting suitable modifications to improve the design. - Analyse the work of others to develop and broaden understanding. - Produce food products based on the correct nutritional balance using the Eatwell Plate for guidance. - Gain an understanding of new and emerging technologies. - Understand that developments in design and technology can have an impact on society. - 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 - Use computers and electronics to embed intelligence in products that respond to inputs and - outputs using programmable component
Working at Expected Standard	- Use research to identify a wide range of client needs in order to solve a problem. - Communicate creative and detailed ideas using a range of techniques. - Be able to write a limited specification. - Create a product safely using a range of manufacturing skills accurately and independently that functions effectively. - Independently and correctly select from a range of tools and processes. - Carry out an analysis of products/ideas and evaluate/test them against a specification suggesting some modifications to improve the design. - Analyse the work of others to develop and broaden understanding. - Think through design & practical tasks with a level of independence - Produce food products that show an awareness of correct nutritional balance using the Eatwell Plate for guidance. - Gain an understanding of new and emerging technologies. - Understand developments in design and technology and the impact on society. - Take account of the use and properties of materials to achieve functional outcomes. - Understand how electronic systems can be powered and used in their products - Use computers and electronics to embed intelligence in products that respond to inputs and outputs using programmable components
	Use research to identify some client needs.

Working Towards Expected Standard	• Communicate ideas using a given range of techniques. • Recognise a specification is a list of client needs and produce one with support. • Create a product safely using a range of manufacturing skills with some accuracy and a basic level of functionality. • With support select from a range of tools and processes. • Carry out an analysis of products/ideas and evaluate/test them against a specification with support. • Look at the work of others to develop an understanding of new and emerging technologies. • Be aware of the use and properties of materials to achieve functional outcomes. • Understand how some products are powered and identify simple components. • Identify inputs and outputs within a simple system and use computers to control machines.
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Design and Technology Year 9

Grade	Students at this grade will typically show the following by the end of Year 9 in Design & Technology
Showing Mastery	• Consistently meet all the greater depth criteria with flair and creativity beyond the context of the task.
Working at Greater Depth	• Use comprehensive research with accuracy and discrimination to understand client need to help solve problems. • Communicate creative and detailed ideas and develop iterations using feedback. • Be able to write a comprehensive and detailed specification based on client needs and research. • Create a complex product safely using a range of manufacturing skills accurately and independently with a high-quality finish. • Independently and correctly select from a range of tools and processes. • Carry out a detailed analysis of products/ideas and evaluate/test them against a specification suggesting suitable modifications to improve the design. • Analyse the work of others to develop and broaden understanding. • Produce food products based on the correct nutritional balance using the Eatwell Plate for guidance. • Think through design & practical tasks independently • Gain an understanding of new and emerging technologies. • Understand that developments in design and technology can have an impact on society. • Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions.
Working at Expected Standard	• Use appropriate research techniques to help formulate design solutions showing an awareness of client's needs and design context. • Communicate creative and detailed ideas and develop iterations. • Be able to write a specification based on client needs and research. • Create a product safely using a range of manufacturing skills accurately and independently that functions effectively. • Independently and correctly select from a range of tools and processes. • Carry out an analysis of products/ideas and evaluate/test them against a specification suggesting some modifications to improve the design. • Analyse the work of others to develop and broaden understanding.

	• Think through design & practical tasks with a level of independence • Produce food products that show an awareness of correct nutritional balance using the Eatwell Plate for guidance. • Gain an understanding of new and emerging technologies. • Understand developments in design and technology and the impact on society. • Take account of the use and properties of materials to achieve functional outcomes. • Understand how electronic systems can be powered and used in their products
Working Towards Expected Standard	• Use research to identify a wide range of client needs in order to solve a problem • Communicate creative and detailed ideas using a range of techniques. • Be able to write a limited specification. • Create a product safely using a range of manufacturing skills with some accuracy and a basic level of functionality. • With support, select from a range of tools and processes. • Carry out an analysis of products/ideas and evaluate/test them against a specification with support. • Look at the work of others to develop an understanding of new and emerging technologies. • Be aware of the use and properties of materials to achieve functional outcomes.