

KS3 Assessment at Braunton Academy

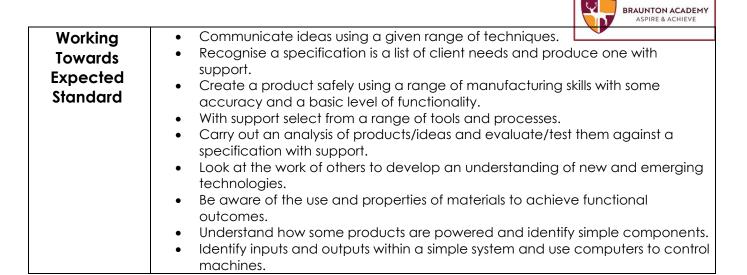
Design and Technology Year 7

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.
_	 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 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
	 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.
	• use research to identify some client fleeds.



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.

	BRAUNTON ACADEMY ASPIRE & ACHIEVE
	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	Use research to identify a wide range of client needs in order to solve a problem
Towards	 Communicate creative and detailed ideas using a range of techniques. Be able to write a limited specification.
Expected Standard	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.