the process they have used.	the process they have used.	the process they have used.	the process they have used.	the process they have used.	the process they have used.	the process they have used.	
	I can understand that all food has to be farmed, grown or	I can understand that all food has to be farmed, grown or	I can understand that all food has to be farmed, grown or	I can understand that all food has to be farmed, grown or	I can understand that all food has to be farmed, grown or	I can understand that all food has to be farmed, grown or	
ACADEMY	caught. I can use the basic principles for a healthy and varied diet to prepare dishes.	caught. I can use the basic principles of a healthy and varied diet to prepare dishes.	caught. I can prepare and cook a variety predominantly savoury dishes using	caught. I can prepare and cook a variety predominantly savoury dishes using	caught. I can prepare and cook a variety predominantly savoury dishes using	caught. I can prepare and cook a variety predominantly savoury dishes using	Y 1
	I can design useful, pleasing products for	I can design useful, pleasing products for	a range of cooking techniques.				
D and T	myself and other users based on a design brief.	myself and other users based on a design brief.	I can design useful, pleasing products for myself and other	I can design useful, pleasing products for myself and other	I can design useful, pleasing products for myself and other	I can design useful, pleasing products for myself and other	
Programme	I can generate, develop, model and communicate my	I can generate, develop, model and communicate my	users based on a design brief. I can generate,	users based on a design brief. I can generate,	users based on a design brief. I can generate,	users based on a design brief. I can generate,	
of Study	ideas through talking, drawing, templates, mock-ups and IT. I can select from and	ideas through talking, drawing, templates, mock-ups and IT. I can select from and	develop, model and communicate my ideas through talking, drawing, templates,				
	use a range of tools and equipment to perform practical tasks.	use a range of tools and equipment to perform practical tasks.	mock-ups and IT. I can select from and use a range of tools and equipment to	mock-ups and IT. I can select from and use a range of tools and equipment to	mock-ups and IT. I can select from and use a range of tools and equipment to	mock-ups and IT. I can select from and use a range of tools and equipment to	
	I can select from and use a range of materials and	I can select from and use a wide range of materials and	perform practical tasks. I can select from and	perform practical tasks. I can select from and	perform practical tasks. I can select from and	perform practical tasks. I can select from and	
	components, including construction materials, textiles and ingredients, according	components, including construction materials, textiles and ingredients, according	use a wide range of materials and components, including construction	use a wide range of materials and components, including construction	use a wide range of materials and components, including construction	use a wide range of materials and components, including construction	
	to their characteristics.	to their characteristics.	materials, textiles and ingredients, according to their				
	I can evaluate and assess existing products and those	I can evaluate and assess existing products and those	characteristics. I can evaluate and	characteristics. I can evaluate and	characteristics. I can evaluate and	characteristics. I can evaluate and	
	that I have made using a design criteria.	that I have made using a design criteria.	assess existing products and those that I have made	assess existing products and those that I have made	assess existing products and those that I have made	assess existing products and those that I have made	
	I can investigate different techniques	I can investigate different techniques	using a design criteria.				

for stiffening a variety of materials and explore different methods of enabling structures to remain stable I can explore and use mechanisms such as levers, sliders, wheels and axles in products.

for stiffening a variety of materials and explore different methods of enabling structures to remain stable I can explore and use mechanisms such as levers, sliders, wheels

and axles in products.

I can understand that

I can investigate different techniques for stiffening a variety of materials and explore different methods of enabling structures to remain stable I can explore and use

mechanisms such as levers, sliders, wheels and axles in products.

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I can investigate

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different techniques for stiffening a variety of materials and explore different methods of enabling structures to remain stable I can explore and use mechanisms such as levers, sliders, wheels and axles in products. I can understand that

I can investigate

all food has to be farmed, grown or caught I can design useful, pleasing products for myself and other users based on a design brief I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and I I can evaluate and assess existing products and those that I have made using a design criteria I can investigate different techniques for stiffening a variety of materials and explore different methods of enabling structures to remain stable I can explore and use mechanisms such as levers, sliders, wheels and axles in products

I can understand that all food has to be farmed, grown or caught I can design useful, pleasing products for myself and other users based on a design brief I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and I I can evaluate and assess existing products and those that I have made using a design criteria I can investigate different techniques for stiffening a variety of materials and explore different methods of enabling structures to remain stable I can explore and use mechanisms such as levers, sliders, wheels

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levers, sliders, wheels

and axles in products

I can talk about the different food groups different food groups different food groups different food groups and name food from and name food from and name food from and name food from each group each group each group each group I can create designs I can create designs I can create designs I can create designs using exploded using exploded using exploded using exploded diagrams diagrams diagrams diagrams I can use my I can use my I can use my I can use my knowledge of existing knowledge of existing knowledge of existing knowledge of existing products to design my products to design my products to design my products to design my own functional own functional own functional own functional product product product product I can safely measure, I can safely measure, I can safely measure, I can safely measure, mark out, cut, mark out, cut, mark out, cut, mark out, cut, assemble and join assemble and join assemble and join assemble and join with some accuracy with some accuracy with some accuracy with some accuracy I can create designs I can create designs I can create designs I can create designs using annotated using annotated using annotated using annotated sketches, crosssketches, crosssketches, crosssketches, crosssectional diagrams sectional diagrams sectional diagrams sectional diagrams and simple computer and simple computer and simple computer and simple computer programmes programmes programmes programmes I can understand what I can understand what I can understand what makes a healthy and makes a healthy and makes a healthy and balanced diet, and balanced diet, and balanced diet, and that different foods that different foods that different foods and drinks provide and drinks provide and drinks provide different substances different substances different substances the body needs to be the body needs to be the body needs to be healthy and active healthy and active healthy and active I can use techniques I can use techniques I can use techniques which require more which require more which require more accuracy to cut. accuracy to cut. accuracy to cut, shape, join and finish shape, join and finish shape, join and finish my work e.g. Cutting my work e.g. Cutting my work e.g. Cutting internal shapes, slots internal shapes, slots internal shapes, slots I can consider how I can consider how I can consider how existing products and existing products and existing products and my own finished my own finished my own finished products might be products might be products might be improved and how improved and how improved and how well they meet the well they meet the well they meet the needs of the intended needs of the intended needs of the intended user user user

I can apply	I can apply	I can apply	
techniques I have	techniques I have	techniques I have	
learnt to strengthen	learnt to strengthen	learnt to strengthen	
structures and explore	structures and explore	structures and explore	
my own ideas	my own ideas	my own ideas	
I can understand and	I can understand and	I can understand and	
use electrical systems	use electrical systems	use electrical systems	
in my products	in my products	in my products	
	I can understand the	I can understand the	
	main food groups and	main food groups and	
	the different nutrients	the different nutrients	
	that are important for	that are important for	
	health	health	
	I can use my research	I can use my research	
	into existing products	into existing products	
	and my market	and my market	
	research to inform the	research to inform the	
	design of my own	design of my own	
	innovative product	innovative product	Υ
	I can make detailed	I can make detailed	5
	evaluations about	evaluations about	3
	existing products and	existing products and	
	my own considering	my own considering	
	the views of others to	the views of others to	
	improve my work	improve my work	
	I can build more	I can build more	
	complex 3D	complex 3D	
	structures and apply	structures and apply	
	my knowledge of	my knowledge of	
	strengthening	strengthening	
	techniques to make	techniques to make	
	them stronger or more	them stronger or more	
	stable	stable	
	I can understand how	I can understand how	
	to use more complex	to use more complex	
	mechanical and	mechanical and	
	electrical systems	electrical systems	
L		I can confidently plan	
		a series of healthy	
		meals based on the	
		principles of a healthy	
		and varied diet	
		I can generate,	
		develop, model and	
		communicate my	
		communicate my	

ideas through discussion, annotated sketches, crosssectional and exploded diagrams, prototypes, pattern pieces and computeraided design I can use research I have done into famous designers and inventors to inform my designs I can use my knowledge of famous designs to further explain the effectiveness of existing products and products I have made i can apply my understanding of computing to programme, monitor and control my products.