VPS DT Units

I am making a (Item) for (person) to/for (purpose)

	Rec	Y1	Y2	Y3	Y4	Y5	Y6
Autumn	Junk Modelling Joining techniques	Textiles Templates & Joining - Evaluate, design & make hand/finger puppets	Food Technology- Design, Make & Evaluate: A healthy soup using local, seasonal produce	Textiles Evaluate, design & make Christmas Stockings	Food Technology- Design, Make & Evaluate: (Kapow - adapting a recipe)	CAMS Space themed	Electricity Evaluate, design & make fairground (Steph O'Donnell)
Spring	Mechanisms Hinges & flaps – Simple toys	Mechanisms Wheels & Axles - (Kapow - Vehicles)	Mechanisms Linkages, Levers & Sliders (Kapow -Making a moving Monster)	3D Shell Structures Evaluate, design & make musical instruments	Electricity Evaluate, design & make. (Kapow- Torches)	Frame Structures - Evaluate, design & make (Kapow - Bridges)	Textiles Combining different fabrics - (Kapow - Waistcoats /Tote Bag)
Summer	Food Technology- Design, Make & Evaluate: Fruit Kebabs	Food Technology- Design, Make & Evaluate A healthy lunch for a lighthouse keeper: Sandwich	Freestanding Structures Tree Houses	Food Technology- Design, Make & Evaluate: A healthy pizza using local, seasonal produce	Mechanisms Hydraulics- Sarcophagus with rising lids (Steph O'Donnel)	Food Technology- Design, Make & Evaluate: A healthy savoury pie using local, seasonal produce	Food Technology- Design, Make & Evaluate (Kapow - Come Dine With Me)
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
1							

VPS DT Units

I am making a (Item) for (person) to/for (purpose)

	I can safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. I can build structures, exploring how they can be made stronger, stiffer and more stable.	I can design purposeful, functional, appealing products for myself, and other users based on design criteria. I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] I can select from and use a wide range of materials and components, including textiles according to the characteristics.	I can understand and apply the principles of a healthy and varied diet. I can practice and develop a variety of learned and new cooking skills I can use the basic principles of a healthy and varied diet to prepare dishes. I can understand where food comes from.	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of materials and components, including textiles and according to their functional	I can understand and apply the principles of a healthy and varied diet. I can practice and develop a variety of learned and new cooking skills I can prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of materials and components, including construction materials, according to their functional properties and aesthetic qualities.	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of

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I am making a (Item) for (person) to/for (purpose)

		I can explore and evaluate a range of existing products. I can evaluate my ideas and products against design criteria.		properties and aesthetic qualities. I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world.		I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world. I can understand and use mechanical systems in my products [for example, gears, pulleys, cams]. I can apply my understanding of computing to program, monitor and control my products.	materials and components, including construction materials, according to their functional properties and aesthetic qualities. I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world. I can apply my understanding of how to strengthen, stiffen and reinforce more complex structures. I can understand and use electrical systems

VPS DT Units

I am making a (Item) for (person) to/for (purpose)

							in my products [for example, series circuits incorporating switches, bulbs, buzzers and motors] I can apply my understanding of computing to program, monitor and control my products.
2							

VPS DT Units

I am making a (Item) for (person) to/for (purpose)

	I can safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. I can design purposeful, functional, appealing products for myself, and other users based on design criteria. I can select from and use a wide range of materials and components, according to the characteristics I can explore and use mechanisms	I can design purposeful, functional, appealing products for myself, and other users based on design criteria. I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] I can select from and use a wide range of materials and components, including construction	I can design purposeful, functional, appealing products for myself, and other users based on design criteria. I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] I can select from and use a wide range of materials and components, including construction materials, according to the characteristics. I can explore and evaluate a range of existing products.	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of materials and components, including construction materials,, according to their	I can understand and use electrical systems in my products [for example, series circuits incorporating switches, bulbs] I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of materials and components, including construction materials, according to their functional properties and aesthetic qualities.	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of

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I am making a (Item) for (person) to/for (purpose)

	[for example, Hinges and flaps], in my products..	materials, according to the characteristics. I can explore and evaluate a range of existing products. I can evaluate my ideas and products against design criteria. I can explore and use mechanisms [for example, levers, sliders, wheels and axles], in my products.	I can evaluate my ideas and products against design criteria. I can explore and use mechanisms [for example, linkages, levers, sliders], in my products.	functional properties and aesthetic qualities. I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world. I can build structures, exploring how they can be made stronger, stiffer and more stable.	to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of materials and components, including construction materials, according to their functional properties and aesthetic qualities. I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world.	I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world. I can build structures, exploring how they can be made stronger, stiffer and more stable.	materials and components, including textiles according to their functional properties and aesthetic qualities. I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world. I can apply my understanding of computing to program, monitor and control my products.

VPS DT Units

I am making a (Item) for (person) to/for (purpose)

3							

VPS DT Units

I am making a (Item) for (person) to/for (purpose)

	I can handle equipment and tools effectively, including pencils for writing. I can understand where food comes from.	I can understand and apply the principles of a healthy and varied diet. I can practice and develop a variety of learned and new cooking skills I can use the basic principles of a healthy and varied diet to prepare dishes. I can understand where food comes from.	I can design purposeful, functional, appealing products for myself, and other users based on design criteria. I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] I can select from and use a wide range of materials and components, including construction materials, according to the characteristics. I can explore and evaluate a range of existing products.	I can understand and apply the principles of a healthy and varied diet. I can practice and develop a variety of learned and new cooking skills I can prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. I can understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	I can 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. I can generate, develop, model and communicate my ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. I can select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. I can select from and use a wider range of	I can understand and apply the principles of a healthy and varied diet. I can practice and develop a variety of learned and new cooking skills I can prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. I can understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	I can understand and apply the principles of a healthy and varied diet. I can practice and develop a variety of learned and new cooking skills I can prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.

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I am making a (Item) for (person) to/for (purpose)

			I can evaluate my ideas and products against design criteria. I can build structures, exploring how they can be made stronger, stiffer and more stable.		materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. I can investigate and analyse a range of existing products. I can evaluate my ideas and products against my own design criteria and consider the views of others to improve my work. I can understand how key events and individuals in design and technology have helped shape the world. I can apply my understanding of computing to program, monitor and control my products.		

VPS DT Units

I am making a (Item) for (person) to/for (purpose)

					I can explore and use mechanisms [for example, Hydraulics] in my products.		