Moorlands 2021/22

g idea	Concept/Aspect	·	Reception		Year 2				
ankind	Everyday products	Sail Sail Name and explore a range of everyday products and explore how things work. Core knowledge • Some books have moving parts. Covered	AOL: Exp A&D Sail Name and explore a range of everyday products and begin to talk about how they are used. Broad knowledge Everyday products are objects that we use every day. These objects have a specific use. Covered x 3	Name and explore a range of everyday products and describe how they are used. Core knowledge An axle is a rod that is connected to the centre of a wheel, which allows it to turn. A chassis is the frame of a vehicle. A shelter is a structure designed to give protection from weather or danger. Covered x 2	There are many home products made from fabric. Examples of fabric based products in the home include cushions, curtains, blinds and carpets. Products can be improved in different ways, such as	Explain how an existing product benefits the user. Core knowledge • Particular products are designed for specific tasks. For example designing a product to help grow plants will require certain materials. Covered x 2	Investigate and identify the design features of a familiar product. Core knowledge Design features are the aspects of a product's design that the designer would like to emphasise. For example, the use of a particular material or a feature that makes the product durable. A switch makes or breaks a circuit. When a switch is closed or 'on', the circuit is complete. When a switch is open or 'off', the circuit is incomplete. A programmable device is a machine that is provided with coded instructions for the automatic performance of a task.	Explain how the design of a product has been influenced by the culture or society in which it was designed or made. Core knowledge The design of products needs to take into account the culture of the target audience. The ancient Greeks developed the Classical form of architecture that has been copied for thousands of years. Covered × 2	Analyse how an invention or product has significantly changed or improved people's lives. Core knowledge • Make Do and Mend was a campaign run by the Ministry of Information during the Second W. War to encourage people to recycle and reputheir old clothes rather than buy new. • The Make Do and Mend campaigns aimed to the amount of labour and materials used in cliproduction, so that it could be used to support greater war effort. • A processed food is changed during preparatiand includes processes, such as cooking, free pasteurising, or the addition of ingredients. • Processed foods can be convenient and increavailability, but often lack of nutrients and counhealthy ingredients when compared to whe foods. • Sliced bread is processed. It can contain many more ingredients than homemade bread, inclupreservatives and artificial ingredients. • Bridge structures have changed over time. The due to factors such as technology, design innovation and new and better access to mate
	Staying safe	AOL PSED AOL PD Skill Show an understanding that tools and equipment need to be used safely and collaborate with others when moving large equipment. Broad knowledge It is important to listen to adults and follow simple rules and procedures when using equipment and tools. Assign	Core knowledge Rules keep us safe when using equipment.	Follow the rules to keep safe during a practical task. Core knowledge Rules are made to keep people safe from danger. Safety rules include always listening carefully, following instructions and using equipment only when told to. Covered x 2	Work safely and hygienically in construction and cooking activities. Core knowledge Hygiene rules include washing hands before handling food, cleaning surfaces, tying long hair back, storing food appropriately and wiping up spills. Covered	Use appliances safely with adult supervision. Core knowledge • Safety rules must be followed when using electricity. Fingers and other objects must not be put into electrical outlets, anything with a cord or plug should never be used around water and a plug should never be pulled out by its cord. Covered	Work safely with everyday chemical products under supervision, such as disinfectant hand wash and surface cleaning spray. Core knowledge • Chemicals are used in the home every day. They include cleaning products, such as bleach and disinfectant, but also paints, glues, oils, pesticides and medicines. • Chemicals should only be used under adult supervision.	Explain the functionality and purpose of safety features on a range of products. Broad knowledge Safety features are often incorporated into products that might cause harm. Some examples include the child-safety caps on medicine bottles, seatbelts in cars, covers for electrical sockets and finger guards on doors. Covered	Covered x 4 Skill Demonstrate how their products take into account the safety of the user. Core knowledge The safety of the user has to be taken into account the safety of the user has the
cesses	Mechanisms and movement	Skill	AOL: Exp ASD Skill Explore, build and play with a range of resources and construction kits with wheels and axles. Core knowledge Vehicles and machines have wheels and axles to help them move. Wheels help vehicles move. An axle is a rod that goes through the middle of the wheel to help it stay in place. Vehicles have wheels and axels to help them move. Covered x 9	Use wheels and axles to make a simple moving model. Core knowledge • Most vehicles that move on land have axles and wheels that are fixed to a chassis. • An axle fixed to a chassis has freely moving wheels. • A freely moving axle has fixed wheels. Covered x 2	Use a range of mechanisms (levers, sliders, wheels and axies) in models or products. People build machines to make their work easier. A machine is made up of different parts that all work together to perform a task. Individual parts of a machine are called components. The part of a machine that brings about movement is called the mechanism. A slider mechanism moves in a straight line. Real-life examples of slider mechanisms include door bolts and drawers. A lever mechanism is a bar that moves around a fixed point called a pivot. Real-life uses of levers include scissors and seesaws. A linkage mechanism combines levers and sliders. Real-life uses of linkages include toolboxes and scissor lifts.	Explore and use a range of mechanisms (levers, sliders, axles, wheels and cams) in models or products. Core knowledge • Cams are devices that can convert circular motion into up-and-down motion. • The cam is fixed to the axle and the follower sits on the cam. When the axle is rotated, the follower moves up and down, following the shape of the cam. • Different shaped cams produce different patterns of movement in the follower. Covered x 3	gears and pulleys) in models or products. Core knowledge Simple machines make physical jobs easier by changing the strength or direction of a force.	Use mechanical systems in their products, such as pneumatics. Core knowledge • A pneumatic system uses compressed air to exert a force. • Pneumatic systems can be used to lift heavy loads, raise and lower platforms or soften a force by acting as a shock absorber. Covered x 3	meet a design brief. Broad knowledge Mechanical systems can include sliders, levers, linkage gears, pulleys and cams. Other mechanisms include pneumatics and hydraulich
	Electricity	AOL: Exp ASD SKIII Explore battery-powered objects using switches to turn them off and on. Broad knowledge Batteries power some objects. A switch turns them off and on. Assign	AOL Exp AGD Skill Identify products that use electricity to make them work. Core knowledge • Microwaves, toasters and blenders are machines. Machines need power to make them work. Covered	Identify products that use electricity to make them work and describe how to switch them on and off. Broad knowledge Electricity is a form of energy. Many household appliances use electricity, such as kettles, televisions and washing machines. They can be switched on by completing the circuit to allow the flow of electricity or off by breaking the circuit to prevent electricity from flowing. This can be a switch on the appliance or a wall socket switch. Assign	Broad knowledge A series circuit is made up of an energy source, such as a battery or cell, wires and a bulb. The circuit must be complete for the electricity to flow.	Incorporate a simple series circuit into a model. Broad knowledge An electric circuit can be used in a model, such as a lighthouse. It can be controlled using a switch. Assign	models or products. Broad knowledge Components can be added to circuits to achieve a particular goal. These include bulbs for lighthouses and torches,	Use electrical circuits of increasing complexity in their models or products, showing an understanding of control. Broad knowledge Electrical circuits can be controlled by a simple on/off switch, or by a variable resistor that can adjust the size of the current in the circuit. Real-life examples are a dimmer switch for lights or volume control on a stereo. Assign	variety of components (switches, lamps, buzzers and motors) and use programming to control their product: Broad knowledge Computer programs can control electrical circuits that
ativity	Generation of ideas	AOL: Exp A&D Skill Develop their own ideas and explore a variety of resources, including blocks and construction kits to create 'small worlds' and objects linked to their interests. Covered x 2	AOL Exp ASD Skill Create collaboratively, share ideas and use a variety of resources to make products inspired by existing products, stories or their own ideas, interests or experiences. Core knowledge It is important to share resources and communicate our ideas in order to get on with others. Covered x 25	Skill	Ideas can be communicated in a variety of ways, including written work, drawings and diagrams, modelling, speaking	Develop design criteria to inform a design. Core knowledge Design criteria are the exact goals a project must achieve to be successful. These criteria might include the product's use, appearance, cost and target user.	Use annotated sketches and exploded diagrams to test and communicate their ideas. Core knowledge Annotated sketches and exploded diagrams show specific parts of a design, highlight sections or show functions. They communicate ideas in a visual, detailed way. Covered x 4	Use pattern pieces and computer-aided design packages to design a product. Core knowledge Computer-aided design (CAD) is the use of specialised computer software to design objects. CAD designs can also be made into objects using 3-D printers.	Develop design criteria for a functional and appealing product that is fit for purpose, communicating ideas clearly in a range of ways. Core knowledge • Ideas can be communicated in a range of ways including through discussion, annotated sketcl cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aide design. Covered x 2

	Structures	Nursery AOL: Exp A&D	Reception AOL: Exp A&D	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Structures	Skill	Skill Construct simple structures and models using a range of	Construct simple structures, models or other products using a range of materials.			Prototype shell and frame structures, showing awareness of how to strengthen, stiffen and reinforce them.		Select the most appropriate materials and framework different structures, explaining what makes them st
		Make simple structures using a range of materials. Core knowledge	Construct simple structures and models using a range of materials.	Core knowledge	Core knowledge	Core knowledge	Core knowledge	Core knowledge	Core knowledge
		A bridge is a structure that crosses a space.	Core knowledge • A bridge is a structure that allows people and	 Different materials can be used for different purposes, depending on their properties. 	stable by using cardboard rather than paper and	 Diagonal struts create triangular shapes within a frame structure. 	like the finished product but may not be full size or	 Support, stiffness and stability can be created by using triangular shapes to create strong frameworks, 	 Strength can be added to a framework by multiple layers or changing its shape.
		 There are lots of different materials. Wood, stone and pebbles are hard strong. 	vehicles to cross over an open space. There are lots of different types of puppets.	Covered x 10	triangular shapes rather than squares. Covered x 3	 Adding diagonal struts to a frame structure adds strength and stability. 	made of the same materials.	columns to support roofs and overlapping brickwork patterns.	Triangles do not collapse or distort easily a are used in architecture to provide suppor
		Covered x 2	Some puppets have moving parts.			Covered		 Mechanisms and systems can work together to perform a function. 	stability.
			There are lots of different types of puppets including finger puppets.					 A strong and stable structure is necessary to support mechanisms in a machine. 	
			Covered x 26					Covered x 3	
	Use of ICT	AOL: Exp A&D Skill		Use design software to create a simple plan for a design.	Use design software to create a simple labelled design or plan.	Write a program to make something move on a tablet or computer screen.	Write a program to control a physical device, such as a light, speaker or buzzer.	Link a physical device to a computer or tablet so that it can be controlled (such as changing motor speed or turning an LED on and off) by a program.	
		a digital record of their creations. Core knowledge	of their creations to share with others. Broad knowledge	Broad knowledge Computer-aided design is when computers are used to help design products. It has advantages over paper design in that it	Broad knowledge Computer software can be used to help design or plan a	Broad knowledge A program is a set of instructions written to perform a	Core knowledge Remote control is controlling a machine or activity	Broad knowledge	Core knowledge • Many devices that we see in our homes an
		A camera or tablet can be used to take photographs.	Digital devices can be used to share information about creations with others.	will show how finished products will look. Different colours and textures can also be trialled.	product. Advantages include identifying and solving problems before the product is made and experimenting with different materials and colours. Labels can be added to	specified task on a computer.		Equipment and devices can be controlled by pressing buttons on a control panel, such as on a washing machine or microwave.	
		Covered	Assign	Assign	designs for clarity. Assign	Passegi .	Covered x 2	Assign	Covered x 2
gation	Investigation	AOL: PD	AOL: PD	Skill	Skill	Skill	Skill	Skill	Skill
		Explore simple tools within practical tasks and experiment with joining materials.	Choose and explore appropriate tools for simple practical tasks.	Select the appropriate tool for a simple practical task. Core knowledge	Select the appropriate tool for a task and explain their choice.	Use tools safely for cutting and joining materials and components.	Select, name and use tools with adult supervision. Broad knowledge	Name and select increasingly appropriate tools for a task and use them safely.	precisely.
		Broad knowledge	Core knowledge	Some foods need to be prepared before eating. Position of the prepared before eating.	Tools have characteristics that make them suitable for specific purposes. For example, a knife is good	Broad knowledge Specific tools can be used for cutting, such as saws. Wood can be joined using glue, nails, staples, or a combination of these.	Useful tools for cutting include scissors, craft knives, junior hacksaws with pistol grip and bench hooks. Useful tools for joining include glue guns. Tools should only be used with	Broad knowledge There are many rules for using tools safely and these may vary depending on the tools being used. For example, someone	Core knowledge Deconstructing garments identifies how the made, the materials used and their properties.
		Tools have different purposes. For example, scissors are used for cutting and glue is used for sticking.	 There are different ways to join materials together. 	 Peeling, slicing, chopping, grating, tearing or mashing are different methods of preparing foods. 	for cutting food because it has a sharp metal edge.	Safety rules must be followed to prevent injury from sharp blades. These rules include using a bench hook to keep the	adult supervision and safety rules must be followed.	using a chisel should chip or cut with the cutting edge pointing away from their body. All tools should be cleaned and	d • Hand stitches include running stitch, blanke
		Assign	 Sewing is stitching things using a needle and thread. 	Covered	Covered x 4	wood still, using a junior hacksaw with a pistol grip and working under adult supervision.	Covered	put away after use, and should not be used if they are loose or cracked.	and whip stitch.
			Covered x 11			Covered x 4		Covered	
	Evaluation	AOL: Exp A&D Skill	AOL: Exp A&D Skill	Talk about their own and each other's work, identifying	Explain how closely their finished products meet their		Identify what has worked well and what aspects of their	Test and evaluate products against a detailed design	Demonstrate modifications made to a product as
		Share their creations with others and respond to questions and suggestions about how it was made.	Adapt and refine their work as they are constructing and making.	Core knowledge	design criteria and say what they could do better in the future.	implement them, beginning to take the views of others into account.	products could be improved, acting on their own suggestions and those of others when making improvements.	specification and make adaptations as they develop the product.	of ongoing evaluation by themselves and to other. Core knowledge
		Broad knowledge Different aspects of designing and making can be discussed with others.	Broad knowledge Recognise that it is possible to change and alter their designs and ideas as they are making them.	A strength is something that is good about a piece of work. A weakness is an area that could be improved.	A finished product can be checked against design criteria to see how successfully it has been made or to evaluate how well it works.	Asking questions can help others to evaluate their products. For example, asking someone whether the materials selected helped achieve the purpose of the	Evaluation can be done by considering whether the product does what it was designed to do, whether it	Testing a product against the design criteria will highlight anything that needs improvement or redesign.	 An iterative process starts with requiremer continues by creating a product, testing it, revising it before creating a better version.
		Covered	Covered x 4	Covered x 3	Improvements can then be planned.	model.	has an attractive appearance, what changes were made during the making process and why the changes were made.	Covered x 3	 The iterative process is a series of steps th repeated, improving the product with each
					Covered x 4	Covered x 4	The evaluation process can include suggesting improvements and explaining why they should be made.		Covered x 3
							Covered x 4		
						_			
	Cutting and			Skill	Skill	Skill	Skill	Skill	Skill
	Cutting and joining textiles			Cut and join textiles using glue and simple stitches.	Use different methods of joining fabrics, including glue and running stitch.	Cut and join wools, threads and other materials to a loom.	Hand sew a hem or seam using a running stitch.	Combine stitches and fabrics with imagination to create a mixed media collage.	Pin and tack fabrics in preparation for sewing and complex pattern work.
	_			Cut and join textiles using glue and simple stitches. Core knowledge A running stitch is made by passing a needle in and out of fabric.	running stitch. Core knowledge • A running stitch is a basic stitch used to join two	Cut and join wools, threads and other materials to a loom. Core knowledge • Weaving involves interlacing pieces of thread or yarn or other materials.	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with qui
	_			Core knowledge • A running stitch is made by passing a needle in and out	running stitch. Core knowledge	Core knowledge • Weaving involves interlacing pieces of thread or yarn or	Core knowledge • A hem runs along the edge of a piece of cloth or	mixed media collage. Core knowledge	
	joining textiles			A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered	Core knowledge • Weaving involves interlacing pieces of thread or yarn or	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with qui temporary stitches holds fabric together in prepar and during sewing. Covered x 2
	_	AOL: Exp A&D Skill Explore and choose freely from a variety of materials	AOL: Exp A&D Saill Select appropriate materials when constructing and	Core knowledge A running stitch is made by passing a needle in and out of fabric.	running stitch. Core knowledge • A running stitch is a basic stitch used to join two pieces of fabric. Covered Skill	Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why.	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision.	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with qu temporary stitches holds fabric together in prepar and during sewing.
	joining textiles Materials for	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making.	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Selict and use a range of materials, beginning to explain their choices. Broad knowledge	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Skill Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge	Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the	A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with queenporary stitches holds fabric together in preparand during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge
	joining textiles Materials for	Skill Explore and choose freely from a variety of materials	Skill Select appropriate materials when constructing and	Core knowledge A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Skill Select and use a range of materials, beginning to explain their choices.	running stitch. Core knowledge • A running stitch is a basic stitch used to join two pieces of fabric. Covered Skill Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect.	Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques.	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with quemporary stitches holds fabric together in prepa and during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the character different materials to select the most app material for a purpose. This might include
	joining textiles Materials for	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes,	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Still Select and use a range of materials, beginning to explain their choices. Broad knowledge Different materials are suitable for different purposes, depending on their specific properties. For example, glass is	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Still Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine	Core knowledge Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with qui temporary stitches holds fabric together in prepar and during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the character different materials to select the most appromaterial for a purpose. This might include flexibility, waterproofing, texture, colour, cavailability.
	joining textiles Materials for	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Skill	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Still Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine	Core knowledge Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Still Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. Visual qualities of a yarn can include its colour,	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques.	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with qui temporary stitches holds fabric together in prepar and during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the character different materials to select the most appr material for a purpose. This might include flexibility, waterproofing, texture, colour, c
	joining textiles Materials for	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Skill	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Still Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine	Core knowledge Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. Visual qualities of a yarn can include its colour, elasticity, pattern and texture. Fabrics can be natural or synthetic. Natural fabrics include cotton, silk and wool.	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques.	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with quemporary stitches holds fabric together in prepa and during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the characted different materials to select the most app material for a purpose. This might include flexibility, waterproofing, texture, colour, availability.
	joining textiles Materials for	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Skill	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Still Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine	Core knowledge Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Stall Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. Visual qualities of a yarn can include its colour, elasticity, pattern and texture. Fabrics can be natural or synthetic. Natural fabrics include cotton, silk and wool. Synthetic fabrics include Lycra, polyester and nylon.	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques.	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with quemporary stitches holds fabric together in prepa and during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the characted different materials to select the most app material for a purpose. This might include flexibility, waterproofing, texture, colour, availability.
	joining textiles Materials for purpose	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Skill	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Still Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine how they can and cannot be used. Covered x 5	Core knowledge Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability	Core knowledge • A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge • Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. • Visual qualities of a yarn can include its colour, elasticity, pattern and texture. • Fabrics can be natural or synthetic. • Natural fabrics include cotton, silk and wool. • Synthetic fabrics include Lycra, polyester and nylon. Covered x 5	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques.	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with quemporary stitches holds fabric together in prepand during sewing. Covered × 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the character different materials to select the most app material for a purpose. This might include flexibility, waterproofing, texture, colour, availability. Covered × 4
	Joining textiles Materials for purpose Decorating and embellishing	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Skill	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Still Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine	Core knowledge Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Stall Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. Visual qualities of a yarn can include its colour, elasticity, pattern and texture. Fabrics can be natural or synthetic. Natural fabrics include cotton, silk and wool. Synthetic fabrics include Lycra, polyester and nylon.	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques. Covered x 2	complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with q temporary stitches holds fabric together in prepand during sewing. Covered × 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the charact different materials to select the most app material for a purpose. This might include flexibility, waterproofing, texture, colour, availability. Covered × 4 Use different methods of fastening for function.
	Joining textiles Materials for purpose	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	Core knowledge A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Sellet and use a range of materials, beginning to explain their choices. Broad knowledge Different materials are suitable for different purposes, depending on their specific properties. For example, glass is transparent, so it is suitable to be used for windows. Covered x 2 Skill Use gluing, stapling or tying to decorate fabric, including buttons and sequins. Core knowledge Decorations can be attached to fabric by gluing,	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Sall Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine how they can and cannot be used. Covered x 5	Covered Weaving involves interlacing pieces of thread or yarn or other materials. Covered Still Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability and cost have also got to be considered. Covered x.2 Still Decorate a loom weaving using embellishments, such as natural or silk flowers, tassels and bows. Broad knowledge A loom weaving is a piece of fabric that has been woven on a	Core knowledge • A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge • Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. • Visual qualities of a yarn can include its colour, elasticity, pattern and texture. • Fabrics can be natural or synthetic. • Natural fabrics include cotton, silk and wool. • Synthetic fabrics include Lycra, polyester and nylon. Covered x 5 Skill Create detailed decorative patterns on fabric using printing techniques. Core knowledge • Block printing and fabric paint are used to create	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Skill Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques. Covered x 2	Complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with quemporary stitches holds fabric together in preparand during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge It is important to understand the characted different materials to select the most app material for a purpose. This might include flexibility, waterproofing, texture, colour, availability. Covered x 4 Skill Use different methods of fastening for function a decoration, including press studs, Velcro and but Broad knowledge Fastenings hold a piece of clothing together. Typ
	Joining textiles Materials for purpose Decorating and embellishing	Explore and choose freely from a variety of materials when making.	Select appropriate materials when constructing and making. Broad knowledge Different materials are suitable for different purposes, such as construction kits for modelling and ingredients	Core knowledge A running stitch is made by passing a needle in and out of fabric. Running stitches are made at equal distances apart. Covered Still Select and use a range of materials, beginning to explain their choices. Broad knowledge Different materials are suitable for different purposes, depending on their specific properties. For example, glass is transparent, so it is suitable to be used for windows. Covered x 2 Still Use gluing, stapling or tying to decorate fabric, including buttons and sequins. Core knowledge	running stitch. Core knowledge A running stitch is a basic stitch used to join two pieces of fabric. Covered Skill Choose appropriate components and materials and suggest ways of manipulating them to achieve the desired effect. Core knowledge Properties of components and materials determine how they can and cannot be used. Covered x 5	Covered Weaving involves interlacing pieces of thread or yarn or other materials. Covered Skill Plan which materials will be needed for a task and explain why. Core knowledge Materials for a specific task must be selected on the basis of their properties. For example greenhouses need transparent or translucent materials. Availability and cost have also got to be considered. Covered x 2 Skill Decorate a loom weaving using embellishments, such as natural or silk flowers, tassels and bows. Broad knowledge	Core knowledge A hem runs along the edge of a piece of cloth or clothing. It is made by turning under a raw edge and sewing to give a neat and quality finish. Covered Skill Choose from a range of materials, showing an understanding of their different characteristics. Core knowledge Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model. Visual qualities of a yarn can include its colour, elasticity, pattern and texture. Fabrics can be natural or synthetic. Natural fabrics include cotton, silk and wool. Synthetic fabrics include Lycra, polyester and nylon. Covered x.5 Skill Create detailed decorative patterns on fabric using printing techniques. Core knowledge	mixed media collage. Core knowledge A collage is artwork made by sticking materials, such as scraps of paper or fabric, onto a background. Covered Sellt Select and combine materials with precision. Broad knowledge Materials should be cut and combined with precision. For example, pieces of fabric could be cut with sharp scissors and sewn together using a variety of stitching techniques. Covered x 2 Sellt Use applique to add decoration to a product or artwork. Core knowledge Applique is a technique where pieces of material are	Complex pattern work. Broad knowledge Pinning with dressmaker pins and tacking with quitemporary stitches holds fabric together in preparand during sewing. Covered x 2 Skill Choose the best materials for a task, showing an understanding of their working characteristics. Core knowledge • It is important to understand the character different materials to select the most appromaterial for a purpose. This might include flexibility, waterproofing, texture, colour, of availability. Covered x 4

