



Reception D.T. Step Up 2022-23

Aspect	Reception	Year 1
Everyday products	<p><b>AOL: Exp A&amp;D</b> Everyday products are objects that we use every day. These objects have a specific use. Name and explore a range of everyday products and begin to talk about how they are used. (DT 1)</p> <p>covered x 2 optional x 2</p>	<p>Everyday products are objects that are used routinely at home and school, such as a toothbrush, cup or pencil. All products are designed for a specific purpose. Name and explore a range of everyday products and describe how they are used.</p> <p>covered x 2</p>
Staying safe	<p><b>AOL: PSEDAOL: PD</b> Rules keep us safe when using equipment. Safety rules include always listening carefully and following simple instructions, using equipment only for the tasks they are designed for and washing hands before touching food. Follow rules and instructions to keep safe. (DT 2)</p> <p>covered</p>	<p>Rules are made to keep people safe from danger. Safety rules include always listening carefully and following instructions, using equipment only as and when directed, wearing protective clothing if appropriate and washing hands before touching food. Follow the rules to keep safe during a practical task.</p> <p>covered x 2 optional x 2</p>
Mechanisms and movement	<p><b>AOL: Exp A&amp;D</b> Vehicles and machines have wheels and axles to help them move. Explore, build and play with a range of resources and construction kits with wheels and axles. (DT 3)</p> <p>covered x 5 optional</p>	<p>An axle is a rod or spindle that passes through the centre of a wheel to connect two wheels. Use wheels and axles to make a simple moving model.</p> <p>covered x 2</p>
Electricity	<p><b>AOL: Exp A&amp;D</b> Many appliances at home and school need electricity to work. The appliances need to be attached to electricity through a plug and socket, or use batteries. Identify products that use electricity to make them work. (DT 4)</p> <p>covered optional</p>	
Generation of ideas	<p><b>AOL: Exp A&amp;D</b> 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. (DT 5)</p> <p>covered x 18 optional x 6</p>	<p>Design criteria are the explicit goals that a project must achieve. Create a design to meet simple design criteria.</p> <p>covered x 4</p>
Structures	<p><b>AOL: Exp A&amp;D</b> Different materials have different properties and can be used for different purposes. Construct simple structures and models using a range of materials. (DT 6)</p> <p>covered x 18 optional x 6</p>	<p>Different materials can be used for different purposes, depending on their properties. For example, cardboard is a stronger building material than paper. Plastic is light and can float. Clay is heavy and will sink. Construct simple structures, models or other products using a range of materials.</p> <p>covered x 7 optional</p>
Use of ICT	<p><b>AOL: Exp A&amp;D</b> Digital devices can be used to share information about creations with others. Use digital devices to take digital images or recordings of their creations to share with others. (DT 7)</p> <p>optional x 2</p>	
Investigation	<p><b>AOL: PD</b> Different tools are needed for different tasks. For example, pencils and paper are needed for drawing pictures. Choose and explore appropriate</p>	<p>Specific tools are used for particular purposes. For example, scissors are used for cutting and glue is used for sticking. Select the appropriate tool for a simple practical task.</p> <p>covered optional</p>



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	<p><b>tools for simple practical tasks.</b> (DT 8)</p> <p>covered x 8 optional x 4</p>	
<b>Evaluation</b>	<p><b>AOL: Exp A&amp;D</b> Recognise that it is possible to change and alter their designs and ideas as they are making them. <b>Adapt and refine their work as they are constructing and making.</b> (DT 9)</p> <p>covered x 2 optional x 6</p>	<p>A strength is a good quality of a piece of work. A weakness is an area that could be improved. Talk about their own and each other's work, identifying strengths or weaknesses and offering support.</p> <p>covered x 3 optional</p>
<b>Cutting and joining textiles</b>		<p>Scissors are used to cut fabrics. Glue and simple stitches, such as running stitch, can be used to join fabrics. Running stitch is made by passing a needle in and out of fabric at an even distance. Cut and join textiles using glue and simple stitches.</p> <p>covered</p>
<b>Materials for purpose</b>	<p><b>AOL: Exp A&amp;D</b> Different materials are suitable for different purposes, such as construction kits for modelling and ingredients for baking. <b>Select appropriate materials when constructing and making.</b> (DT 10)</p> <p>optional x 10</p>	<p>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. Select and use a range of materials, beginning to explain their choices.</p> <p>covered x 2 optional x 2</p>
<b>Decorating and embellishing textiles</b>		<p>Fabric can be decorated using materials and small objects, such as buttons and sequins. Decorations can be attached to the fabric by gluing, stapling or tying. Use gluing, stapling or tying to decorate fabric, including buttons and sequins.</p> <p>covered</p>
<b>Food preparation and cooking</b>	<p><b>AOL: Maths</b> A recipe is set of instructions for preparing a dish and includes a list of the ingredients required. <b>Follow instructions, including simple recipes, that include measures and ingredients.</b> (DT 11)</p> <p>covered x 4</p>	<p>Using non-standard measures is a way of measuring that does not involve reading scales. For example, weight may be measured using a balance scale and lumps of plasticine. Length may be measured in the number of handspans or pencils laid end to end. Measure and weigh food items using non-standard measures, such as spoons and cups.</p> <p>covered optional</p>
<b>Nutrition</b>	<p><b>AOL: PSED</b> There are healthy and unhealthy foods. Fruit and vegetables are an important part of a healthy diet. <b>Suggest healthy ingredients that can be used to make simple snacks.</b> (DT 12)</p> <p>optional x 3</p>	<p>Fruit and vegetables are an important part of a healthy diet. It is recommended that people eat at least five portions of fruit and vegetables every day. Select healthy ingredients for a fruit or vegetable salad.</p> <p>covered</p>
<b>Origins of food</b>		<p>Some foods come from animals, such as meat, fish and dairy products. Other foods come from plants, such as fruit, vegetables, grains, beans and nuts. Sort foods into groups by whether they are from an animal or plant source.</p> <p>covered</p>
<b>Compare and contrast</b>	<p><b>AOL: Exp A&amp;D</b> Aspects of designing and making can be compared with others, including inspiration for making a product and the tools and techniques used. <b>Describe what, why and how something was made and compare with others.</b> (DT 13)</p> <p>covered x 3 optional x 6</p>	<p>Two products can be compared by looking at a set of criteria and scoring both products against each one. Describe the similarities and differences between two products.</p> <p>covered x 2 optional</p>



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<b>Significant people</b>	<b>AOL: Exp A&amp;D</b> Some products are significant because they have changed the way people live their lives. <b>Explore significant products.</b> (DT 14) <b>covered</b>	The importance of a product may be that it fulfils its goals and performs a useful purpose. Describe why a product is important. <b>covered</b> optional
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