



KNOW ABOUT	RECEPTION	YEAR 1	YEAR 2
Developing, planning and communicating ideas	<p>Children are beginning to use the language of designing and making, e.g. join, build and shape.</p> <p>Children are learning about planning and adapting their initial ideas to make them better.</p>	<p>They know how to think of some ideas of their own.</p> <p>They know how to explain what they want to do.</p> <p>They know how to use pictures and words to plan.</p>	<p>They know how to think of ideas and plan what to do next.</p> <p>They know how to choose the best tools and materials. They know how to give a reason why these are best.</p> <p>They know how to describe their design by using pictures, diagrams, models and words.</p>
Working with tools, equipment, materials and components to make quality products	<p>Children are learning to construct with a purpose in mind.</p> <p>Children know a number of tools and techniques and select those needed to shape, assemble and join materials.</p>	<p>They know how to explain what they are making and which tools are they using.</p>	<p>They know how to join things (materials/ components) together in different ways.</p>
Evaluating processes and products	<p>Children are beginning to talk about changes made during the making process, e.g. making a decision to use a different joining method.</p>	<p>They know how to describe how something works.</p> <p>They know how to talk about their own work and things that other people have done.</p>	<p>What went well with their work.</p> <p>If they did it again, they can say what they'd want to improve.</p>



KNOW ABOUT	YEAR 3	YEAR 4
Developing, planning and communicating ideas	<p>They know how to show that their design meets a range of requirements.</p> <p>They know how to put together a step-by-step plan which shows the order and also what equipment and tools they need.</p> <p>They know how to describe their design using an accurately labelled sketch and words. They can say how realistic is their plan.</p>	<p>They know how to come up with at least one idea about how to create their product.</p> <p>They account of the ideas of others when designing.</p> <p>They know how to produce a plan and explain it to others.</p> <p>They know how to suggest some improvements and say what was good and not so good about their original design.</p>
Working with tools, equipment, materials and components to make quality products	<p>They know how to use equipment and tools accurately.</p>	<p>They know how to tell if their finished product is going to be good quality.</p> <p>They are conscience of the need to produce something that will be liked by others.</p> <p>They know how to show a good level of expertise when using a range of tools and equipment.</p>
Evaluating processes and products	<p>They know what to consider when planning a change which will make their design even better.</p>	<p>They know how they will check if their design is successful.</p> <p>They know how to begin to explain how They know how to improve their original design.</p> <p>They know how to evaluate their product, thinking of both appearance and the way it works.</p>



KNOW ABOUT	YEAR 5	YEAR 6
Developing, planning and communicating ideas	<p>They know how to come up with a range of ideas after they have collected information.</p> <p>They know to take a user's view into account when designing.</p> <p>They know how to produce a detailed step-by-step plan.</p> <p>They know how to suggest some alternative plans and say what the good points and drawbacks are about each.</p>	<p>They know to use a range of information to inform their design.</p> <p>They know to use market research to inform plans.</p> <p>They know how to work within constraints.</p> <p>They know how to follow and refine their plan if necessary.</p> <p>They know how to justify their plan to someone else.</p> <p>They know to consider culture and society in their designs.</p>
Working with tools, equipment, materials and components to make quality products	<p>They know how to explain why their finished product is going to be of good quality.</p> <p>They know to explain how their product will appeal to the audience.</p> <p>They know how to use a range of tools and equipment expertly.</p>	<p>They know how to use tools and materials precisely.</p> <p>They know to change the way they are working if needed.</p>
Evaluating processes and products	<p>They know to keep checking that their design is the best it can be.</p> <p>They know to check whether anything could be improved.</p> <p>They know how to evaluate appearance and function against the original criteria.</p>	<p>They know to test and evaluate their final product, asking...</p> <ul style="list-style-type: none">❖ Is it fit for purpose?❖ What would improve it?❖ Would different resources have improved the product?❖ Would they need more or different information to make it even better?