



KS3 Design

Age Related Expectations

All children are assessed against the Age Related Expectations (ARE) within the different curriculum subjects. The ARE's are taken from the National Curriculum but are consolidated to reflect what we expect of a child. For example, three or four national curriculum targets might be summarised in one ARE. Judgements are generally based on a variety of different sources but will generally be a combination of on-going formative assessment in class, book work and formal summative testing.

Year 7

	Key Performance Indicators	Age Related Expectations
Design	<ul style="list-style-type: none"> - Use research and exploration to identify and understand user's needs. - Identify and solve their own design problems and understand how to reformulate problems given to them. - Design innovative, functional and appealing products that respond to the needs of the intended user. 	<p>The pupil will be able to analyse a design problem and create a range of suitable design solutions.</p> <p>The pupil will be able to use research to inform designs and the needs of the user or client.</p> <p>The pupil will be able to use a variety of different drawing techniques to communicate their ideas.</p> <p>Design and communicate ideas using simple sketching techniques and notes and labels to explain their idea fully.</p>
Make	<ul style="list-style-type: none"> - Select from and use specialist tools, techniques, processes, equipment and machinery precisely. - Select from and use a wider range of materials, components and ingredients taking into account their properties and their intended use. 	<p>The pupil will be able to select from a range of materials and components considering function, aesthetics and suitability.</p> <p>They will also be able to select the most suitable tool or machine for a particular task.</p>
Evaluate	<ul style="list-style-type: none"> - Analyse the work of past and present designers and others to develop and broaden their understanding. - Test, evaluate and refine their ideas and products against a design specification, taking into account the views of intended users and other interested groups. 	<p>They will be able to evaluate their work against their original design analysis and suggest ways of adapting and improving their work.</p>

Year 8

	Key Performance Indicators	Age Related Expectations
Design	<ul style="list-style-type: none"> - Use research and exploration to identify and understand user's needs. - Identify and solve their own design problems and understand how to reformulate problems given to them. - Design innovative, functional and appealing products that respond to the needs of the intended user. 	<p>The pupil will be able to design a creative, imaginative and functional product that is suitable and fit for purpose for a chosen client. They will be able to use a variety of 2D and 3D drawing techniques to communicate their design ideas. They will be able to communicate their ideas using annotated sketches which clearly explain their ideas.</p>
Make	<ul style="list-style-type: none"> - Select from and use specialist tools, techniques, processes, equipment and machinery precisely. - Select from and use a wider range of materials, components and ingredients taking into account their properties and their intended use. 	<p>The pupil will be able to select from a range of materials and components considering function, aesthetics and suitability.</p> <p>They will also be able to select the most suitable tool or machine for a particular task. They will be able to use this with skill and accuracy and finish their product to a high standard.</p>
Evaluate	<ul style="list-style-type: none"> - Analyse the work of past and present designers and others to develop and broaden their understanding. - Test, evaluate and refine their ideas and products against a design specification, taking into account the views of intended users and other interested groups. 	<p>They will be able to evaluate their work against their original design analysis and suggest ways of adapting and improving their work.</p> <p>They will be able to evaluate the work of others and identify ways of improving and changing these products.</p>