

Year and Class	Autumn	Summer
Year 6 Sycamore	<p align="center">KITCHEN GARDEN</p> <p align="center">To design, maintain and utilise a kitchen garden</p>	<p>2.7 SHELL STRUCTURES</p> <p>To design and make a piece of furniture using CAD</p>
Breadth	To design and create a Kitchen Garden considering factors for starting a kitchen garden, seasonality, information from seed packets, non-native fruits, space and intended users	Use CAD to design and make shell structures – a piece of furniture
Threshold Concepts	<p>Master practical techniques – use of garden tools, recognition and use of appropriate seeds, digging, measuring areas</p> <p>Take inspiration from design – Refer to stately home gardens e.g speke hall, community gardens e.g. Incredible edible knowsley and croxteth community garden and other school gardens e.g RHS school garden campaign</p> <p>Design, make, evaluate and improve</p>	<p>Master practical techniques – Measuring, cutting, estimating, assembling, joining, CAD</p> <p>Take inspiration from design – animal shells, chairs, igloos, shelters</p> <p>Design, make, evaluate and improve</p>
Milestones	<p>Design with user in mind, motivated by the service a product will offer.</p> <p>Combine elements of design from a range of inspirational designers throughout history, giving reasons for choices</p> <p>Evaluate the design of products so as to suggest improvements to the user experience.</p> <p>Combine elements of design from a range of inspirational designers throughout history, giving reasons for choices.</p> <p>Create innovative designs that improve upon existing products.</p> <p>Evaluate the design of products so as to suggest improvements to the user experience.</p> <p>Design with the user in mind, motivated by the service a product will offer (rather than simply for profit).</p> <p>Make products through stages of prototypes, making continual refinements.</p> <p>Use prototypes, cross-sectional diagrams and computer-aided designs to represent designs.</p>	<p>Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or using a more precise scissor cut after roughly cutting out a shape).</p> <p>Show an understanding of the qualities of materials in order to choose appropriate tools to cut and shape (e.g. the nature of fabric may require sharper scissors than would be used to cut paper).</p> <p>Use software to design -</p>

