

Year 7

Design and Technology allows pupils at Skinners' academy to explore their creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of knowledge on materials and new technologies. Pupils are taught that products are tested at every stage of the process and often it is the determination of testing that makes great products successful. Through the evaluation of past and present design and technology, they develop a critical understanding of designs impact on daily life.

Year 8

Pupils will be able to safely select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture and select from and use a wider, more complex range of materials, components and ingredients, taking into account their properties. Pupils will be confident in evaluating and analysing the work of past and present professionals and others to develop and broaden their understanding of design and new and emerging technologies.

Year 9

Through a variety of creative and practical activities, pupils will have the knowledge, understanding and skills needed to engage in an iterative process of designing and making. This will help develop them to be confident if choosing a career in a range of industrial contexts [for example, engineering, manufacturing, construction, food, energy, agriculture (including horticulture) and fashion]. Pupils will have the ability to design and make for different cultures and understand how to identify different user needs. Sketches, detailed plans, 3-D and mathematical modelling, oral and digital presentations and computer-based tools will become second nature to pupils and they will be able to confidently use these skills.



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