

Subject	Year	Specialism
Design and Technology	Year 7	Product Design

Project

Trick Deck Project

Content (Intent)

Prior Learning: Y7 D&T and KS2 D&T Curriculum

Year 7 D&T is focused around skill building to ensure students feel confident using a range of tools and materials to design and make products.

This project is designed to introduce plywood forming, 3D printing and sublimation printing to the students. More CorelDraw skills are taught with a focus on image manipulation – a key skill for future D&T work. The pupils will design and make a mini skateboard with sustainable packaging.

Future Learning: Year 8 Chocolate Project

How will knowledge and skills be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
<ul style="list-style-type: none"> • How to design using a theme – graffiti • How to use CorelDraw to: <ul style="list-style-type: none"> ○ Design your Skateboard Deck ○ Manipulate images – resize, rotate ○ Remove image backgrounds ○ Add text ○ Layer images and text ○ Design your Skateboard Packaging ○ Consider layout ○ Learn about packaging symbols ○ Create branding • How to use plywood lamination and forming to create your trick deck • How to work with 3D printed components • How to use Epoxy Resin • How to write a simple evaluation 	<p>Assessment</p> <p>Each project is individually assessed through teacher assessment and the final end of year progress and effort grades are based on all work completed in Y7 D&T.</p> <p>Key project work will be used to build up a clear picture of student effort and progress. All homework will be given a progress and effort grade.</p> <p>Main areas of assessment:</p> <ul style="list-style-type: none"> • Design ideas – drawing skills • Design of skateboard deck on CAD • Accuracy of making • Packaging design

How can parents help at home?

Students will complete their design work and homework in a project booklet. It would be great if you could talk this through with your child to help them develop their ideas further and ensure tasks are complete.

Helpful further reading/discussion (including Reading and Vocabulary Lists)

<p>Reading</p> <p>VLE D&T site page www.technologystudent.com https://designmuseum.org/</p>	<p>Vocabulary</p> <p>3D Printing, plywood forming, vice, PVA, epoxy resin, mould, sublimation,</p>	<p>Careers Links</p> <p>Product Design Graphic Design Packaging Design</p>
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