

Leintwardine Endowed CE Primary School Learning Journey Key

'Letting Our Light Shine'

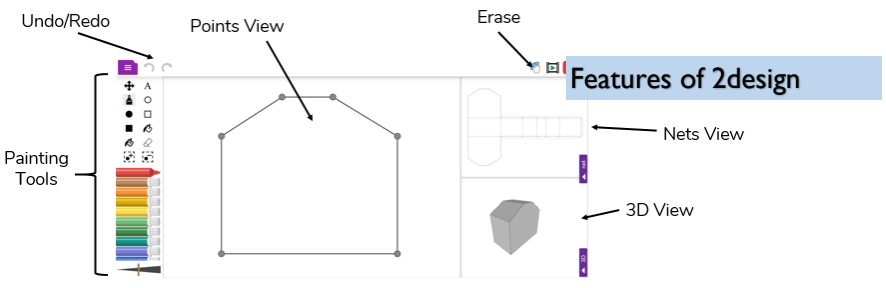
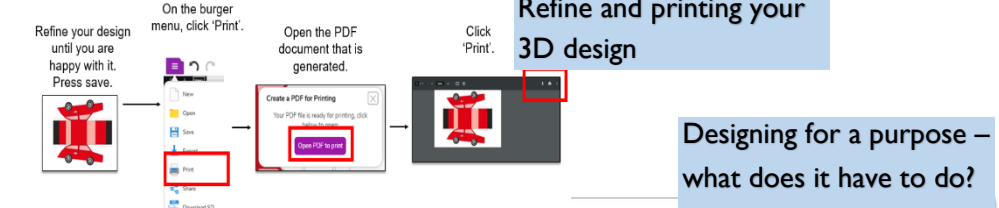
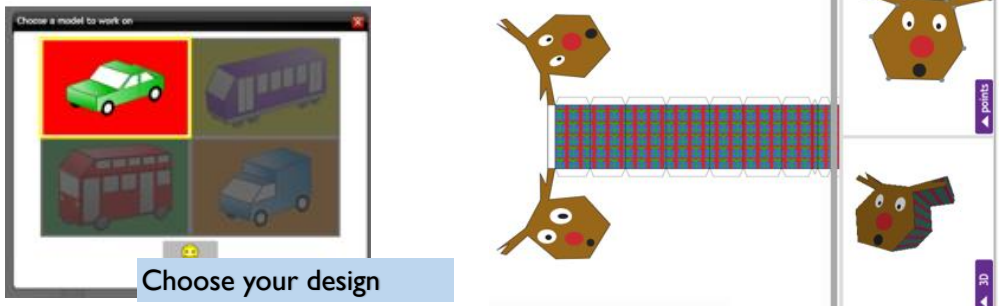
SUBJECT : Computing

YEAR : B

TERM: Summer I

YEAR GROUPS : 5/6

Key Question: Can you design, refine and print a 3D model to fit a specific criteria?

Question	Vocabulary to Use	Information which will help me	Can I....?		
How does the 2Design and Make tool work?	Designing, undo, review, purpose, template, fix, model, features, document, generated, refine, redo, dimensional, printing, packaging, adapted, job, viewpoints, possibilities, edit, shapes, forms, exploring, model	 <p>Features of 2design</p> <p>Undo/Redo</p> <p>Points View</p> <p>Erase</p> <p>Painting Tools</p> <p>Nets View</p> <p>3D View</p>	-Know what the 2Design and Make tool is for. -Explore the different viewpoints in 2Design and make whilst designing a building. -Adapt one of the vehicle models by moving the points to alter the shape of the vehicle while still maintaining its form.		
What is the effect of moving points when designing?		 <p>Refine and printing your 3D design</p> <p>On the burger menu, click 'Print'.</p> <p>Open the PDF document that is generated.</p> <p>Click 'Print'.</p> <p>Refine your design until you are happy with it. Press save.</p> <p>Create a PDF for Printing</p> <p>Your PDF file is ready for printing, click 'Open PDF to print'.</p> <p>Designing for a purpose – what does it have to do?</p>		-Explore how to edit the polygon 3D models to design a 3D model for a purpose. -Refine one of their designs to prepare it for printing. -Print their design as a 2D net and then created a 3D model. -Explore the possibilities of 3D printing.	
Can you design a 3D model to fit certain criteria?		 <p>Choose your design</p>			
How do you refine and print a model?					