

What I need to know: Y6 ICT – 3D Modelling

We nurture the curiosity to learn, the courage to lead and the compassion to care.

Name:

Class:

For this term we are looking into online safety as well as 3D Modelling.

What I will know...	✓	Start	End
How to discuss the similarities and differences between 2D and 3D shapes		<input type="radio"/>	<input type="radio"/>
How to select, move, and delete a digital 3D shape		<input type="radio"/>	<input type="radio"/>
How to resize a 3D object and change the colour of a 3D object		<input type="radio"/>	<input type="radio"/>
How to rotate a 3D object, position 3D objects in relation to each other, select and duplicate multiple 3D objects		<input type="radio"/>	<input type="radio"/>
Identify that physical objects can be broken down into a collection of 3D shapes		<input type="radio"/>	<input type="radio"/>
How to group a digital 3D shape and a placeholder to create a hole in an object		<input type="radio"/>	<input type="radio"/>
How to plan my 3D model, choose which 3D objects I need to construct my model and modify multiple 3D objects		<input type="radio"/>	<input type="radio"/>
How to develop and improve a digital 3D model		<input type="radio"/>	<input type="radio"/>

Skills I may use...	
Remember: name, identify, describe	Analyse: investigate, infer, select, clarify
Understand: predict, recall, interpret	Create: plan, design, construct
Apply: use, show, relate, demonstrate	Evaluate: compare, assess, judge

Vocabulary I need to know...		
1. I have heard the word, but I don't know what it means	2. I understand what the word means	3. I can explain what the word means and give other examples
3D Shape, 2D shape, modelling, 3D Space, resize, Rotate, position, select, duplicate, Dimensions, placeholder, hole, group, ungroup, Modify, evaluate, improve		

Opportunities to support English and maths
<ul style="list-style-type: none"> Skim and scan texts to retrieve information or quotes quickly and accurately Summarise main ideas from more than one paragraph Make and justify inferences with appropriate evidence from the text Provide reasoned justifications for their views, quoting evidence from across a text

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none"> Art and design – KS2 To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials Design and technology – KS2 Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Mathematics – KS2 (Y6) Recognise, describe and build simple 3D shapes, including making nets

Respect

Responsibility

Reflection

Resilience