

Inspiring and enabling our school community to live life to the full



YEAR 6

Subject: Computing
Unit: Creating Media – 3D modelling

We aim to equip pupils to use computational thinking and creativity to understand and change the world; to become digitally literate –using, and expressing themselves and developing their ideas through, information and communication technology. They will build on this knowledge and understanding, becoming equipped to use information technology to create programs, systems and a range of content– at a level suitable for the future workplace and as active participants in a digital world

Characteristics of an Effective Learner

Courage
Commitment
Collaboration
Creativity
Curiosity

Prior Learning: Key concepts from Education for a connected World: Privacy and security Year 1 Creating Media - Digital Painting Year 4 – Creating Media – Photo editing	Key Vocabulary taught in this unit: 2D, 3D, 3D objects, 3D space, view, resize, colour, lift, rotate, position, select, duplicate, dimensions, placeholder, hole, group, ungroup, design, modify, evaluate, improve
Intent: What do we want the children to know, be able to do by the time they complete this unit? <ul style="list-style-type: none">• Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Use a computer to create and manipulate 3D digital objects; compare working digitally with 2D and 3D graphics; construct a digital 3D model of a physical object• Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact Use of Tinkercad online site; class set up	
Impact / Outcome: What will the final product / result be? Children will produce their own 3D model based on their plans. They will evaluate and make improvements based on feedback. They will be using Tinkercad to create a 3D photo frame.	
P4C Inquiry (where appropriate) N/A	