



? What are we learning about TinkerCAD?

3D design is used in many ways to design 3D objects, including buildings, furniture and transport. 3D designers use CAD software (Computer Aided Design), which allows them to view 3D objects on a 2D screen by moving around the objects 360 degree. The software includes tools to add 3D objects and resize them, zoom in and out and other options to change the appearance. One piece of software we can use is Mecabricks, which helps us design in 3D using lego pieces.



National Curriculum Content

Select, use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.



Key knowledge

1. Add, move, change colour and duplicate a brick.
2. Rotate bricks.
3. Use sloping bricks and special bricks for a purpose.
4. Change the transparency of bricks.



Important Vocabulary

3D	Three dimensional - to see a shape from different angles and adding depth to a 2D (2 dimensional) object.
Duplicate/clone	Quickly make another brick or group of bricks the same as we have already made - the same size, colour and position. This can save us time!
Transparency	Change how see through the brick is, such as making a windscreen.
Special Bricks	Normal bricks but with other features, such as bricks with clips on or holes.



Quick tip

Use the space bar on your keyboard to quickly move around all four sides of the lego piece.

