

Max's Masterclass: The Power of Prototyping!

Think, Build, Test, Improve: Let's bring your big ideas to life!

- A prototype is a simple, early version of a product used to test if an idea works before making the real thing.
- Using recycled materials like cardboard, tape, and string is a brilliant way to build a quick model without wasting resources.
- Testing your prototype allows you to see how it moves, stands, or fits together in the real world.
- Evaluation is the step where you look at your prototype and ask, 'What worked well?' and 'What could I change to make it better?'
- An iteration is a new, improved version of your design created after you have learned from your first prototype.
- Prototyping is a cycle: you design, build, test, and improve until your invention is the best it can be!

Did you know? Did you know? Even the most famous inventors in history started with a messy, rough version of their idea! Prototyping is like a 'practice run' for your invention. It helps you spot mistakes before you spend all your time and materials on the final version.

Key vocabulary: Prototype · Design · Materials · Evaluation · Iteration · Functional · Modelling