

Mastering the Prototype: Max's Engineering Guide

Think like an engineer! Build it, test it, improve it!

- Why is it essential to create a low-cost prototype before building the final product?
- How does gathering feedback from users help improve the functionality of your design?
- What is the difference between a prototype and a final model?
- Why do engineers often create several iterations of the same product?
- How can testing a prototype reveal hidden flaws in your original plan?

Did you know? Did you know that the word 'prototype' comes from the Greek words 'protos', meaning 'first', and 'typos', meaning 'impression'? It is the very first version of an idea that allows designers to see if their concept will actually work in the real world before they spend money on expensive materials!

Key vocabulary: Prototype · Iteration · Functionality · Feedback · Specifications · Ergonomics · Modification · Materials