

# INTRODUCTION to Tinkercad

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AUTODESK®  
**TINKERCAD®**

## What is Tinkercad ?

Tinkercad is a free, web-based 3D modeling program that requires no downloads. It's accessible to anyone with an internet connection. The platform consists of three components, making it useful for learning 3D design, visual code blocks, and electronics

- 3D Design

users can learn about 3D printing. Most shapes are pre-made, making easy for a beginner to learn. They also can customize the shape and design.

- Visual Code Blocks

users can manipulate the code blocks for each shape so that they get exactly what they need. After the codes have been manipulated by the user, all they need to do is select "Run" to see if the code worked or go back in and make necessary changes.

- Electronics

users can learn about circuits and power electronics from a beginner's standpoint. With the use of built-in codes, these users can create their own electrical needs for their project goals.

## Benefits of Tinkercad

### Easy To Use:

Tinkercad is beginner-friendly, making it ideal for those new to 3D printing and electronics. Even if you lack expertise in these areas, you can explore premade options to meet your needs.

### Accessibility:

Tinkercad is accessible via a web browser and play store without any downloads. It's free, so all you need is an internet connection. Explore resources, blogs, and design examples on the site.

### Teaching Tool:

Educators can guide students through Tinkercad projects. If you're not part of a class, create a personal account and start designing at your own pace. Take advantage of tutorials for additional guidance.