

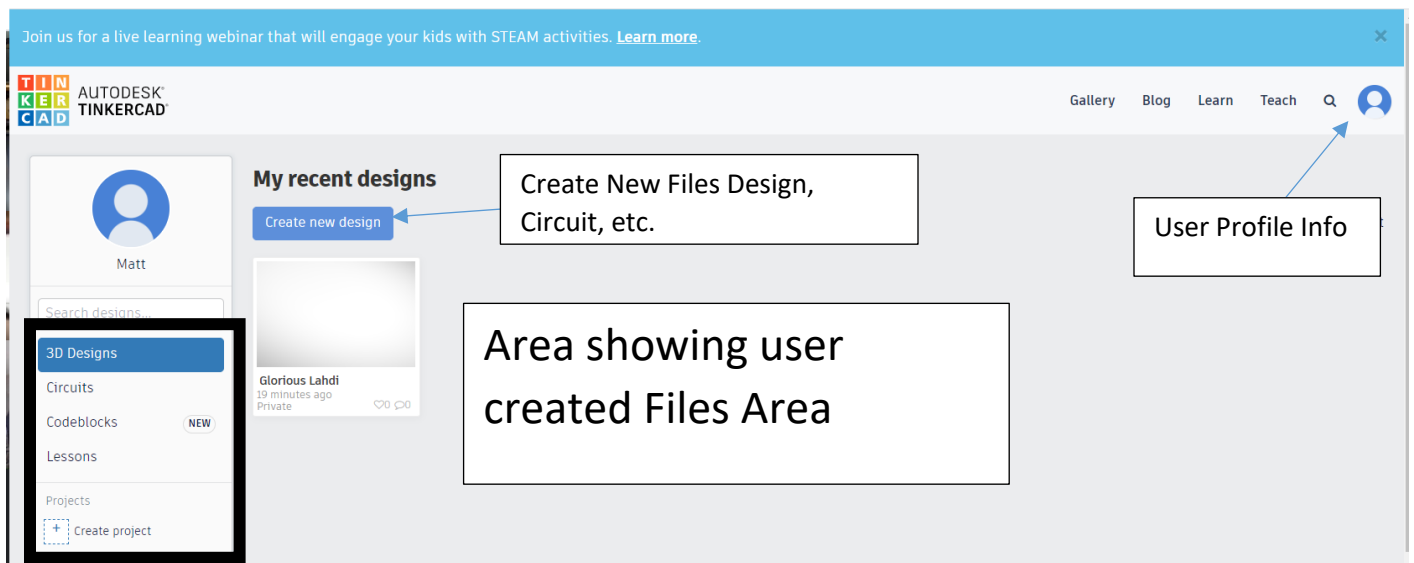
Tutorial TinkerCAD Login to Account

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1. User Area



Create New Files Design, Circuit, etc.

User Profile Info

Area showing user created Files Area

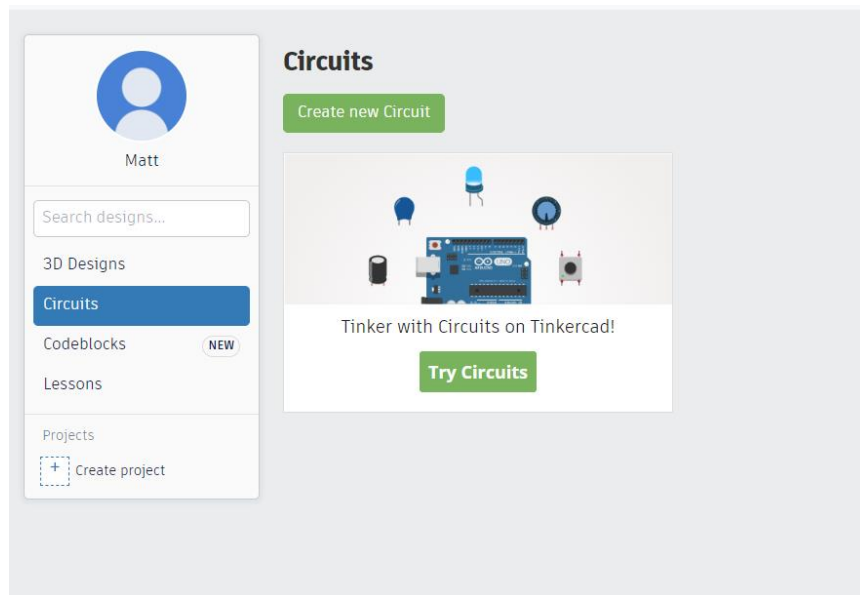
3D Designs: Allows Users to Create 3D Solid Models

Circuits: Create Electrical Circuits including Arduino w/ programming in block or structured text to run a simulation

CodeBlocks: Programming area similar to Snap or Scratch

Lessons: Teacher can assign lessons to students. We will not be using this function

2. Click on Circuits



3. Select Create New Circuit

4. Work Area

TinkerCAD Workspace is a drag and drop Electrical Components in space

The image shows a screenshot of the TinkerCAD workspace with several callout boxes pointing to specific features:

- Rotate Electrical Component**: Points to the rotate icon in the top toolbar.
- Delete Component**: Points to the delete icon in the top toolbar.
- Redo/Undo**: Points to the undo and redo icons in the top toolbar.
- Show/Hide Component**: Points to the show/hide icon in the top toolbar.
- Notes to place in the workspace**: Points to the notes icon in the top toolbar.
- Code**: Points to the code tab in the bottom toolbar, with a sub-callout: "Code tab to create program for simulation in block or structured text C++".
- Starts the Simulation**: Points to the "Start Simulation" button in the bottom toolbar.
- Export: the program to an Arduino file to be read in Arduino IDE for downloading to an**: Points to the "Export" button in the bottom toolbar.

Workspace
TinkerCAD Workspace is a drag and drop Electrical Components in space

ToolBox
All Components available to use in the circuit can sort by type of electrical component

The toolbox is shown with the following components:

- Resistor
- LED
- Pushbutton
- Potentiometer
- Capacitor
- Slideswitch
- 9V Battery
- Coin Cell 3V Battery

The bottom toolbar includes: Code, Start Simulation, Export, and Share.