

Using 3D Printers in Agriculture Design

Presenter: Brandy Jones



Tinkercad

- Tinkercad Getting Started Video

Free

Online

Create

Make

Intro do 3D Design

- [Meet Sydney Howard](#), a 15 year old professional BMX racer who uses TinkerCad to design her own custom prosthetic devices and racing accessories.

Using Tinkercad

Create Account

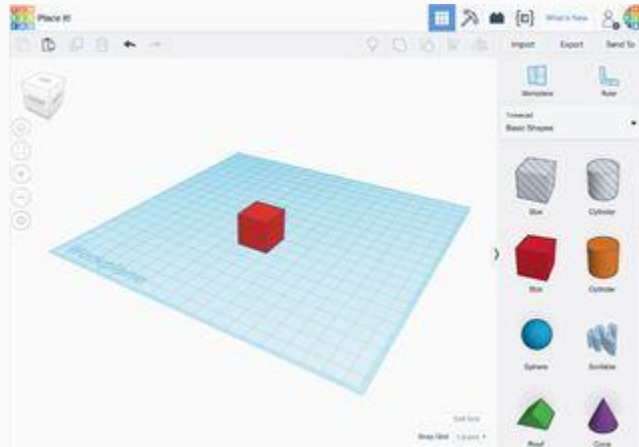


Using Tinkercad

Create Account

LEARN

Place It!



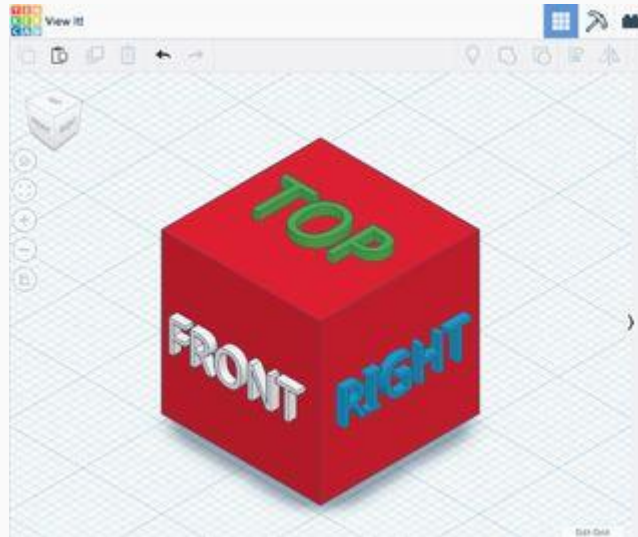
Using Tinkercad

Create Account

LEARN

Place It!

View It!

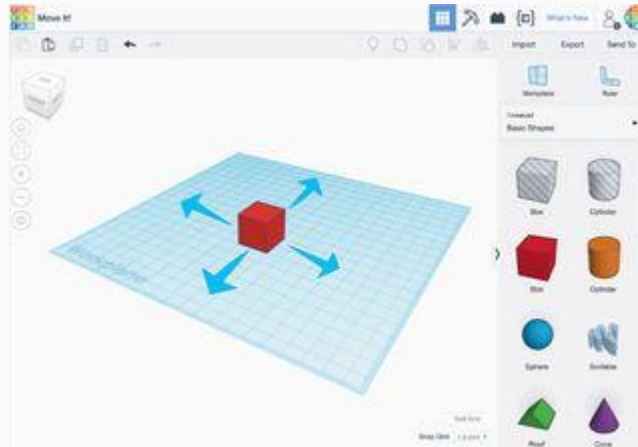


Using Tinkercad

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LEARN

Place It!
View It!
Move It!



Using Tinkercad

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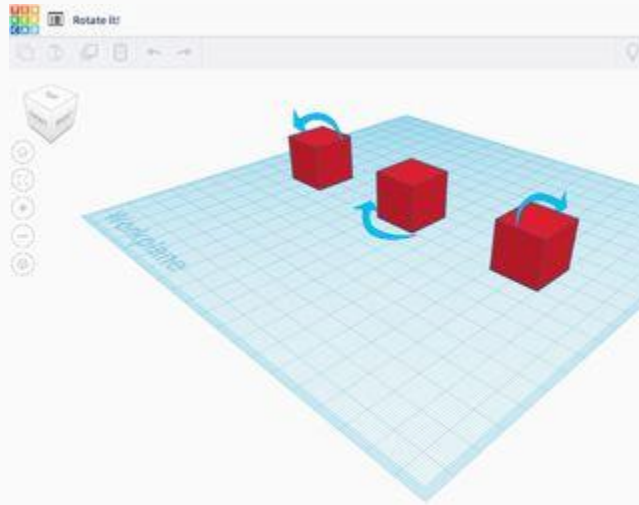
LEARN

Place It!

View It!

Move It!

Rotate It!

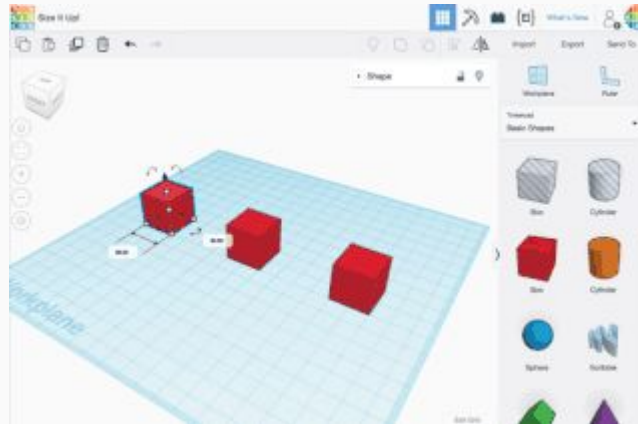


Using Tinkercad

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LEARN

Place It!
View It!
Move It!
Rotate It!
Size It Up!

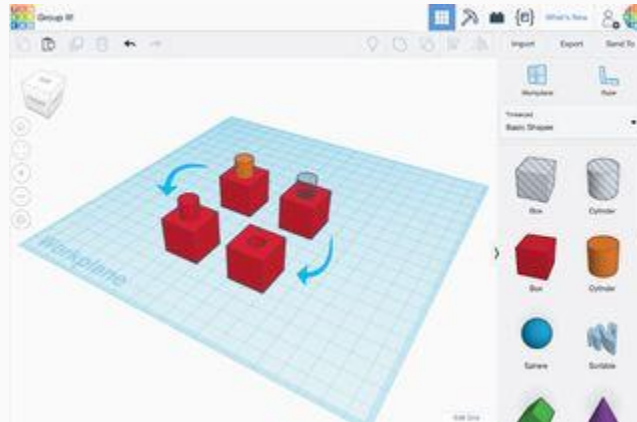


Using Tinkercad

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LEARN

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Move It!
Rotate It!
Size It Up!
Group It!

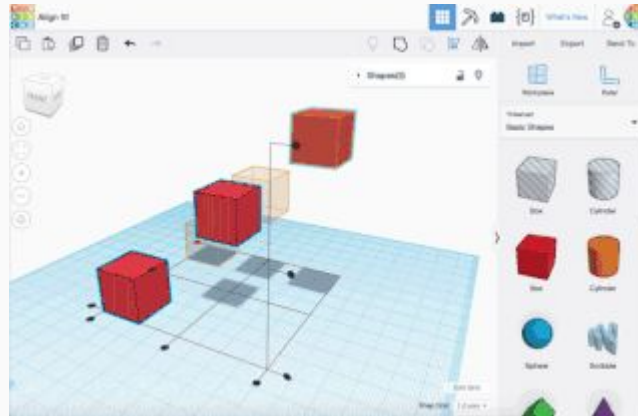


Using Tinkercad

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Place It!
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Size It Up!
Group It!
Align It!





PLAY Time

Share

What ways do you envision Tinkercad being used in your classroom?



Literacy

Snap-on tops to represent significant traits, powers, or attributes of a specific character



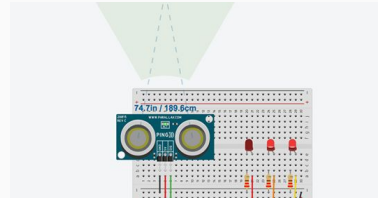
Social Studies

Economics Projects
Build Monuments



Science

Circuits
Ultrasonic Distance Sensor



Others

[TinkerCad for Education](#) site-
“Instructables”



Google Maps

- [Google My Maps Getting Started Video](#)

Free

Online

Collaborate

Make

Intro do 3D Design

- [How My Maps was used to study commodities of Arkansas](#)

How to Create a Google My Map

LEARN

[Instructional Video](#)

Go to [Google.com/mymaps](https://www.google.com/mymaps) or Google Drive (must be signed in)

How to Create a Google My Map

“Add New”

≡ Google My Maps

+ CREATE A NEW MAP

ALL

OWNED

NOT OWNED

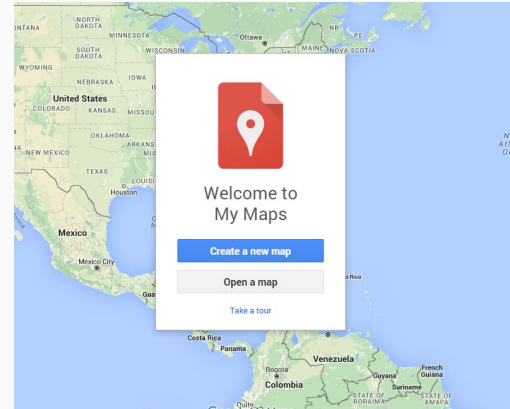
SHARED

RECENT

EXPLORE



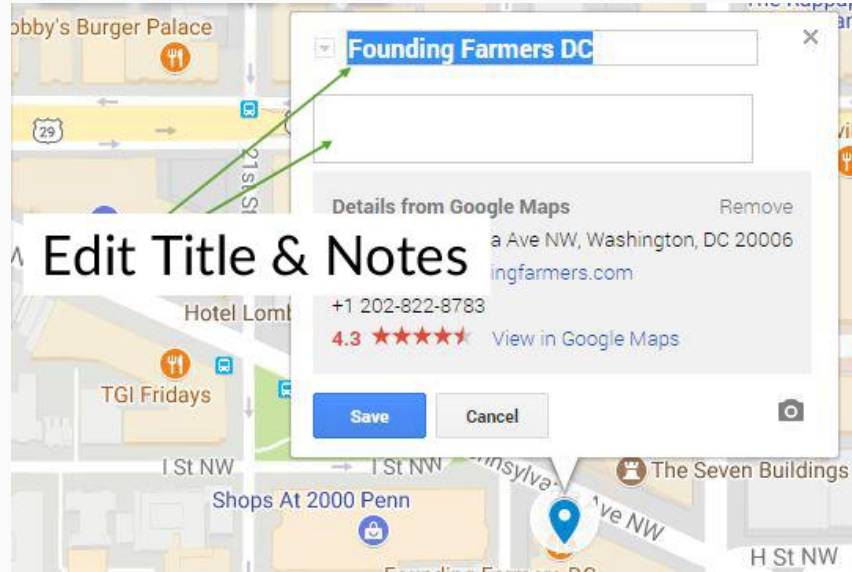
“More” → “Google My Map”



How to Create a Google My Map

Go to [Google.com/mymaps](https://www.google.com/mymaps) or Google Drive (must be signed in)
“Add New” then “More” for “Google My Map”

Title & Description



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“Add New” then “More” for “Google My Map”

Title & Description

“Add Layer” name the location and pinpoint location with search bar

- Layers separate data in the map, so you may pick which data is displayed when so that the viewers of the map sees only the information they wish to see.
- Students can import google sheets, photo, video, other info about the location

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“Share” allows others to collaborate on the same map (this must be refreshed to show contributions)



PLAY Time

Share

What ways do you envision Google My Maps being used in your classroom?



Literacy

Document characters' journey through a story

Make a map showing authors' hometowns



Social Studies

[GoogleSightseeing](#)

Study routes taken by explorers

Map based timeline for routes of current events (races, political campaign, etc.



Science

Journal weather conditions

Plot locations with certain environments

Identify where certain animal species have lived



Math

Geometry, Angle, Shapes
[Video Demo](#) for how to assign a template

Calculate rate of travel

An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark purple, blue, and orange. The city lights are visible, with the Empire State Building's spire illuminated in red and green. The Hudson River is visible in the background.

Wrap Up: Every Child Needs a Champion