

MAKE YOUR OWN 3D Print Keychain



Learn to make your own 3D keychain using Tinkercad, a free software you can use right in your browser. A few lucky winners will be randomly selected to have their keychains printed! **Requires a computer or laptop with internet connection.**



Included in your bag is a roly poly fidget toy made from our own 3D printer. Try rolling it across a table or flat area!

Want to learn more about 3D modeling and printing? Check out some useful guides and tutorials from our catalog!

From Our Catalog:

- *3D Printing for Model Engineers* by Neil Wyatt
- *3D Modeling and Printing with Tinkercad* by James F. Kelly
- *3D Printing with Autodesk* by Lydia Cline
- *Make: 3D Printing Projects* by Caleb Cotter
- *Make: Design for 3D Printing* by Samuel Bernier

And much more!



3D Print Keychain

Resources Sheet



Tinkercad & 3D Modeling Resources:

If you get stuck or don't know where to start, Tinkercad has many great tutorials and projects to try in their "**Learn**" tab at the top of your account.

There are some useful YouTube video tutorials:

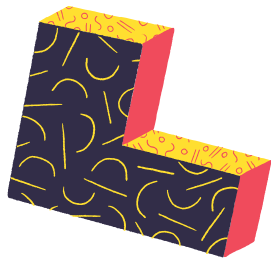
- All3DP's *Getting Started in Tinkercad* Video
- PromoAmbitions' *Tinkercad Tutorial Series*

To learn more about the basics of 3D printing, check these sites out:

- Instructables 3D Printing Basics --- Visit [instructables.com](https://www.instructables.com)
- All3DP 3D Printing 101 Series --- Visit [all3dp.com](https://www.all3dp.com)

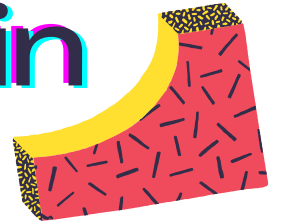
For inspiration and other cool projects, visit:

- Tinkercad's Community Gallery
- Thingiverse.com
- MyMiniFactory.com
- YouMagine.com





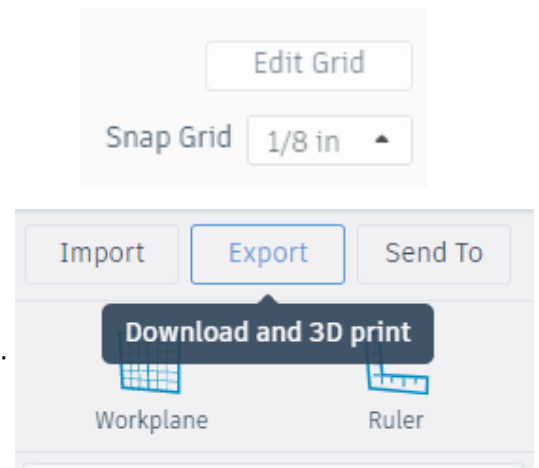
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Instructions Sheet

What You'll Need:

- Make a free personal account at **tinkercad.com**.
- Click on "Create new design" to begin modeling.
- Edit your grid settings to inches (rather than the default millimeters).
- Make your 3D masterpiece!
- Export and download your 3D design as an **.STL** file.
- Attach your **.STL** file to an email and send it to:



Submission Rules & Tips:

A limited number of lucky winners will be randomly drawn to have their keychains made by our 3D printer. Here are a few things to keep in mind:

- Your 3D model must be made in **Tinkercad**. It does not have to be original, but should be made or "tinkered" by you.
- Your keychain should be no larger than **1/4 inch high** and **2 1/2 inches** in length or width. If your keychain is too large, it will be sized down. Keep this in mind when adding details, as they may get lost when shrunk down!
- Your keychain should have a **loop** where it can attach to a hook or ring. A loop will be added somewhere on your model if there isn't one already.
- Your keychain should mostly lay **flat** (but can be round if it fits the size limits).
- Print color will be based on availability, but can be drawn or painted over.
- Please provide your contact preference (**email or phone number**) so we can contact you if your print is chosen and when it is ready for pickup.

Winners will be notified at the beginning of November.
Submissions may be shared online via our social media.

