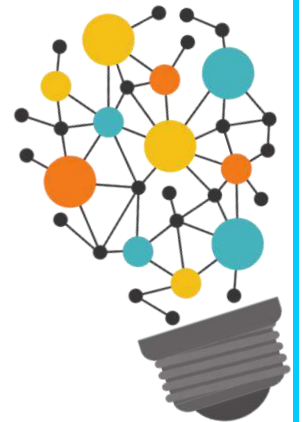


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Students through STEM projects

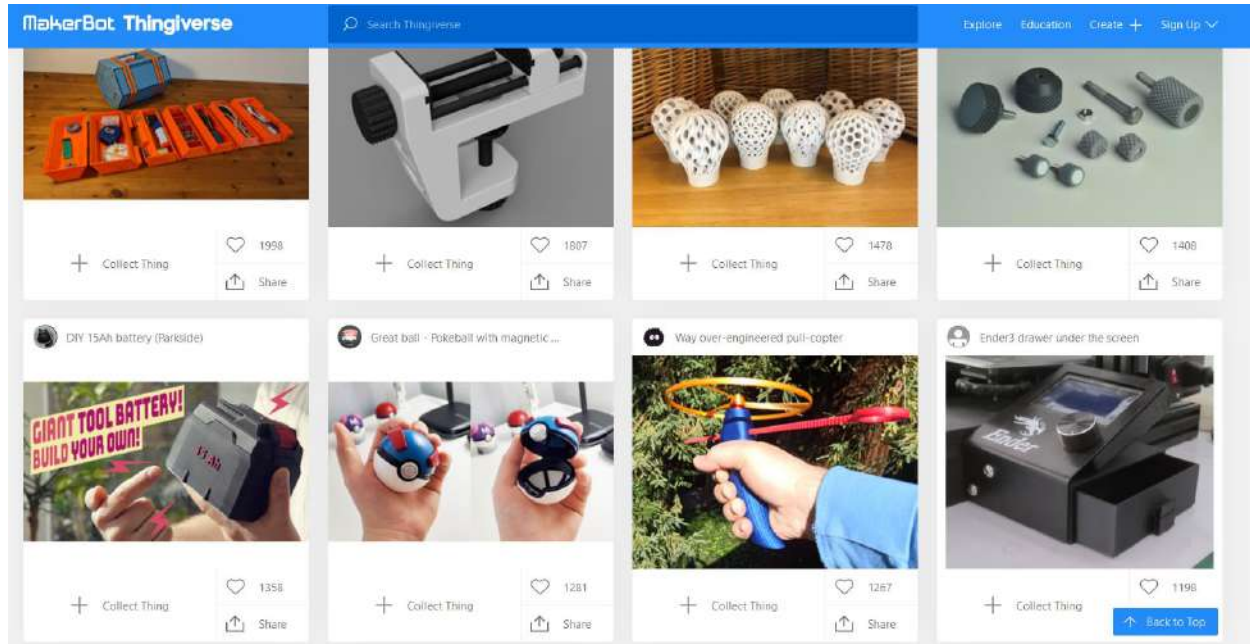
Thingiverse platform Guide

April, 2022, by e-Nable Greece





Explore the platform



Visit <https://www.thingiverse.com/>

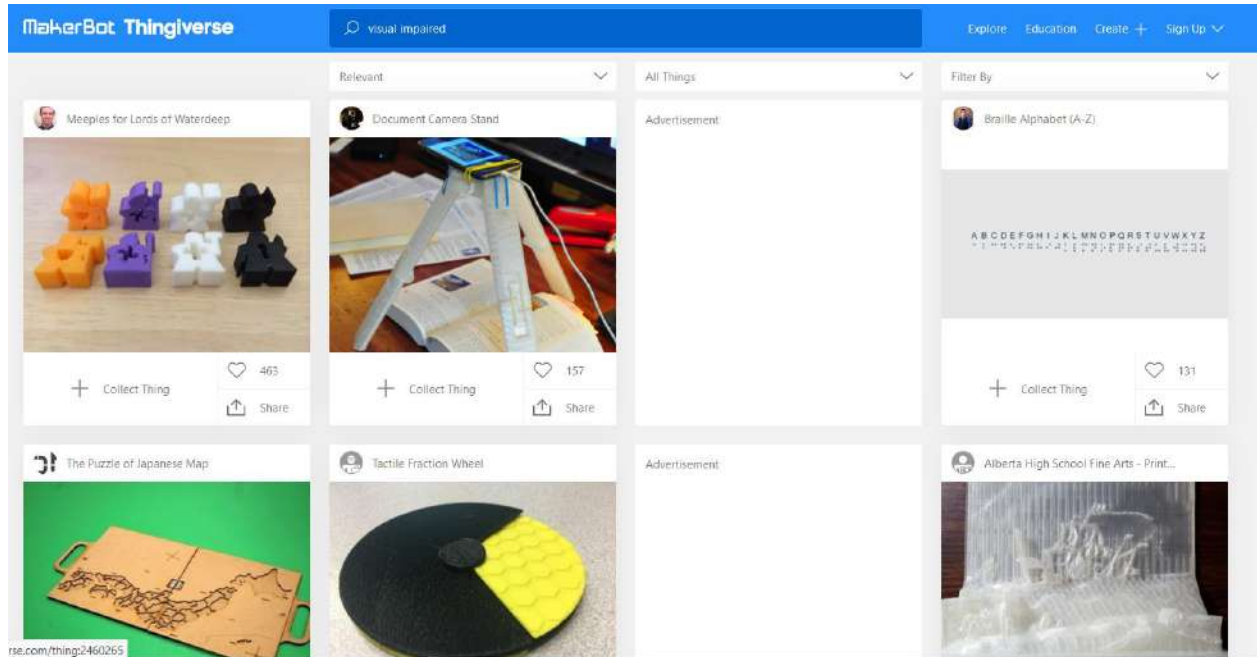
Thingiverse has one of the largest online 3D Printing community of designers and makers of 3D models.

If you want to do some general browsing, click “Explore” at the top of the page. There you have the option to browse both individual models (“Things”) and collections of models. Collections are categorical groups made by community members, which can come in handy if you already know what you’re looking for.

After selecting a category to explore, you’ll be greeted by a long list of designs. Along the top of the page, there are drop-down menus to categorically filter and display results. As shown above, this can help you focus on models you’re looking for.



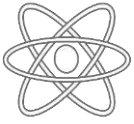
Search for models



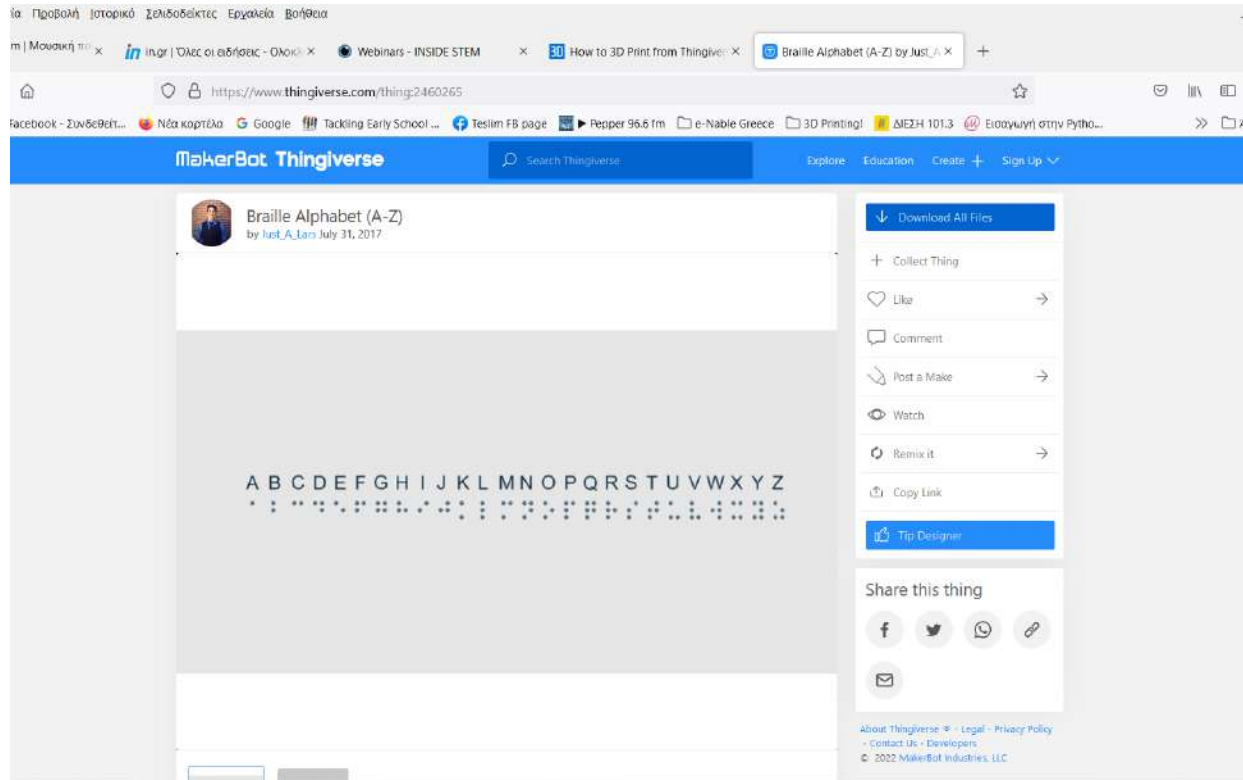
Thingiverse has a great “Search” function for finding models. Simply type keywords into the top search bar and search.

Exactly above the search results, you’ll find search refinement options, which let you target specific categories.

At the top, there’s a drop-down menu to arrange the results based on varying factors, like popularity or relevance. Some results may be relevant but not the best choice, so filtering by popularity can help point you in the right direction.



Information about your model



Once you've selected a model, you'll see a page with all the photos, files, and instructions for the design.

Along the middle of the page is another menu with various tabs. The most important of these are the "Thing Details", under which the designer's comments and instructions are, and the "Thing Files", where the downloads are.

Finally, at the bottom of the page, there's an option to view similar models in the same category, useful if you decide to find a different design.



Download your model

The screenshot shows the MakerBot Thingiverse interface. At the top, there's a search bar and navigation links for 'Explore', 'Education', 'Create +', and 'Sign Up'. Below the navigation, there are statistics: '27 Thing Files', '0 Comments', '0 Makes', '0 Remixes', and '3 Apps'. The main content area is titled 'Braille Alphabet (A-Z)' and lists six files: A.123dx (149 kb, 2323 Downloads), B.123dx (129 kb, 2277 Downloads), C.123dx (103 kb, 2262 Downloads), D.123dx (99 kb, 2263 Downloads), E.123dx (70 kb, 2265 Downloads), and F.123dx (98 kb, 2266 Downloads). Each file has a 'Download' button. To the right, there is a 'License' section with a Creative Commons Attribution license icon and text: 'Braille Alphabet (A-Z) by Just_A_Lax is licensed under the Creative Commons - Attribution license. By downloading this thing, you agree to abide by the license: Creative Commons - Attribution - Non-Commercial - No Derivatives.' A 'Back to Top' button is at the bottom right.

If the model suits your taste, click on the “Thing Files” tab or the “Download All Files” tab. Here, in addition to the files, you’ll find a description of the license under which the file was published.

You can either download all the files in a .zip folder, or click on a specific file to download it only.

Save the file somewhere accessible.

3D print your model!

Congratulations you are now ready to slice and 3D print your model!



Visit education sector of Thingiverse

The screenshot shows the MakerBot Thingiverse Education page. At the top, there is a search bar and navigation tabs for Explore, Education, Create, and Sign Up. The main content area features a banner for MakerBot Education with a photo of a teacher and students working with 3D printers. To the right of the banner is a sign-up form with fields for Email Address, Grade, and Country, and a 'Sign Up For More Info' button. Below the banner are two filter sections: 'Filter Lessons by Subject' and 'Filter Lessons by Grade'. The subject filters include Art, Engineering, Geography, History, Science, Special Ed, Technology, and Languages. The grade filters include K-6, 7-12, and University. A 'Reset' button is also present.

Go to <https://www.thingiverse.com/education>, or at the homepage <https://www.thingiverse.com> press the “Education” tab at the upper right corner.

Here you can select several filters in order to search 3D printed educational material and lesson plans for your needs. You can use filter by subjects or by grade.

Once you selected your model/topic, click on the “Thing Files” tab or the “Download All Files” tab. There apart from the .stl files, you will find documents as evaluation sheets, instructions docs and lesson plans in order to use the models as an educational material.