



About STEMFIE Essentials

This file contains an assortment of commonly used STEMFIE construction set parts in different sizes which are nested into a compact build plate measuring less than 140 x 140 x 140 mm (5 ½ inches squared). The file will fit comfortably in most 3D-printers' build volume.

Start by importing this file into your 3D-printer's software. All components are oriented to 3D-print optimally without support structures. Please make sure to have a flat, clean build plate and calibrate it well.

If you are using a filament-based 3D-printer (FDM/FFF), the following settings are recommended for making STEMFIE parts.

- Material: PLA filament
- Layer height: 0.2 mm
- Perimeters (shells): 2
- Top solid layer count: 4
- Bottom solid layer count: 3
- Infill: 15%
- Generic print speed: 50 mm/s

For more information about the STEMFIE project and to download the complete range of parts, please visit <https://stemfie.org/download>.

Make sure to be the first to know about new releases of STEMFIE parts and projects! Please subscribe to the newsletter (<https://newsletter.stemfie.org>) and follow @Stemfie3D #Stemfie3D on social media: <https://stemfie.org/news/socialmedia>.

Have fun 3D-printing STEMFIE and inventing your unique project builds!

Paulo Kiefe :-)