



## Braille writing

 JiriVasko

[VIEW IN BROWSER](#)

updated 8. 8. 2022 | published 8. 8. 2022

## Summary

In the project, students will get to know how a person who can't see.



36.88 hrs



5 pcs



0.20 mm



0.40 mm



PLA



495 g



Prusa  
MK3/S/S+

[Learning](#) > [Other 3D Objects for Learning](#)

Tags: [blind](#) [braille](#)

In the project, students will get to know how a person who can't see lives. As part of the project, a discussion will be held with a blind person, who will introduce them to the issues of everyday life without sight.

## Necessary knowledge and skills

Every student needs to know the basics of modeling in Tinkercad. You need to know how to place objects, use a ruler and connect objects. Furthermore, it is necessary to be able to find the alphabet for Braille on the Internet.

## Project objectives

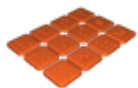
The goal of the project is not just to print a pexes, but to develop the students' horizons that there are people living among us who cannot perform daily activities like themselves. That there are people with various handicaps who are full members of society. Also teach them how they can help such people if they meet them. What they should, but also what they shouldn't do in such situations. Furthermore, to expand the students' thinking in an integrated way and enable them to learn the basics of reading Braille in a playful way.

## Expected development of key competences:

- problem solving competence
- communicative competence
- competence to learn
- social and personnel competences
- civil competence
- work competence

Physical output of the project: pexeso with braille.

## Model files



**braille-s-x.3mf**



**braille-g-l.3mf**



**braille-m-r.3mf**

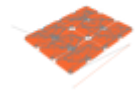


**braille-y-z.3mf**



**braille-a-f.3mf**

## Print files



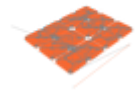
**braille-a-f\_02mm\_pla\_mk3s\_8h27m.gcode**

PLA 0.40 mm 0.20 mm 8.45 hrs 114 g Prusa MK3/S/S+



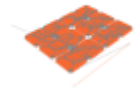
**braille-y-z\_02mm\_pla\_mk3s\_2h51m.gcode**

PLA 0.40 mm 0.20 mm 2.85 hrs 38 g Prusa MK3/S/S+



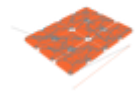
**braille-g-l\_02mm\_pla\_mk3s\_8h28m.gcode**

PLA 0.40 mm 0.20 mm 8.46 hrs 114 g Prusa MK3/S/S+



**braille-m-r\_02mm\_pla\_mk3s\_8h35m.gcode**

PLA 0.40 mm 0.20 mm 8.58 hrs 115 g Prusa MK3/S/S+



**braille-s-x\_02mm\_pla\_mk3s\_8h32m.gcode**

PLA 0.40 mm 0.20 mm 8.54 hrs 114 g Prusa MK3/S/S+

## License

This work is licensed under a  
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-nc-sa/4.0/)



**Attribution—Noncommercial—Share Alike**

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition