

PrintLab.

classroom

for libraries + makerspaces

Representative



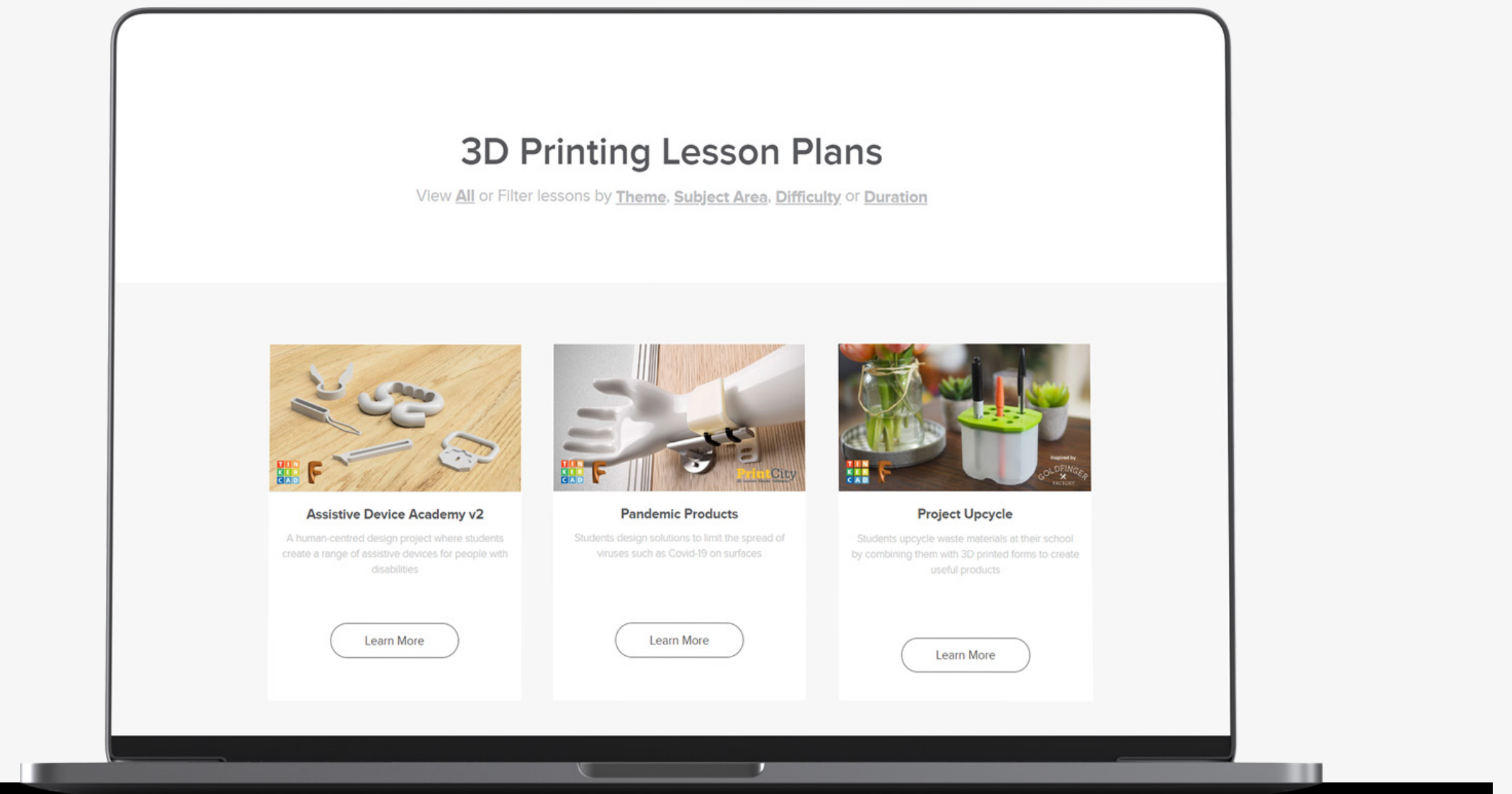
Technology Education Concepts

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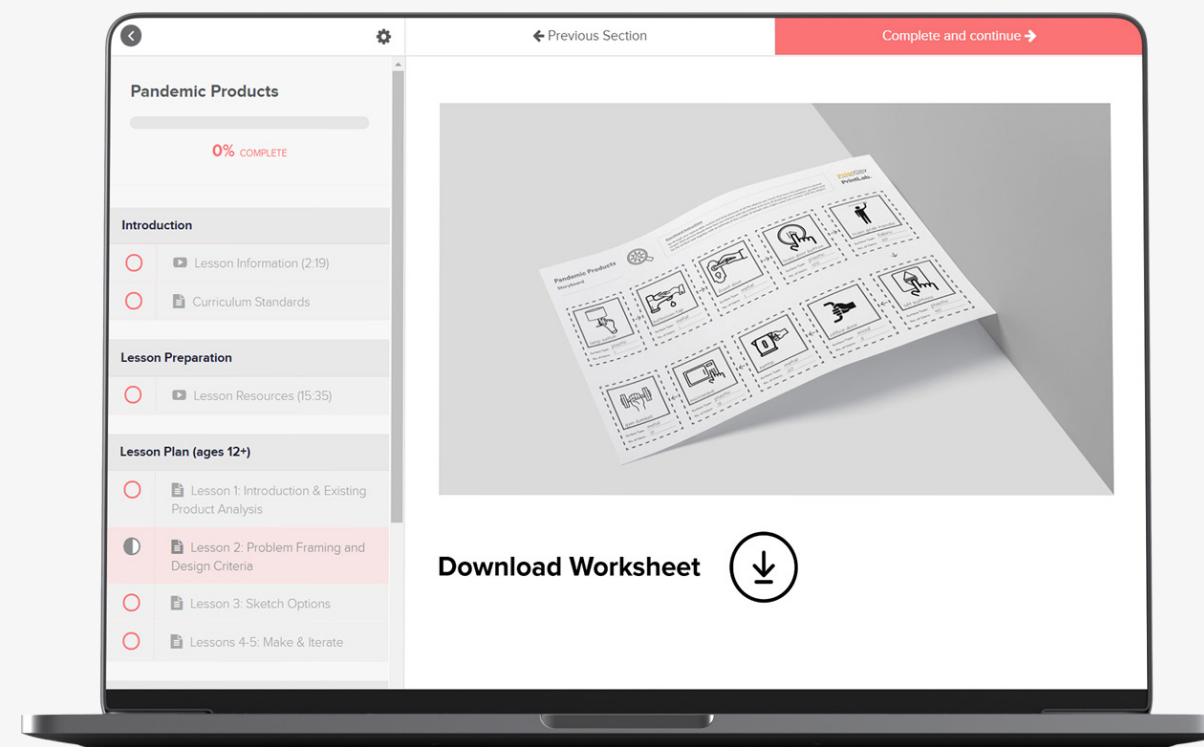
info@TECedu.com

we create 3D printing projects.

The PrintLab Classroom platform comes with 40+ 3D printing projects allowing you to upskill and inspire members of your community. We teach you how to use free Autodesk design software (Tinkercad and Fusion 360) with 3D printing to make assistive devices for local disability organisations, design customised gifts for friends and family, explore the future of digital manufacturing in a series of short courses, and much much more.

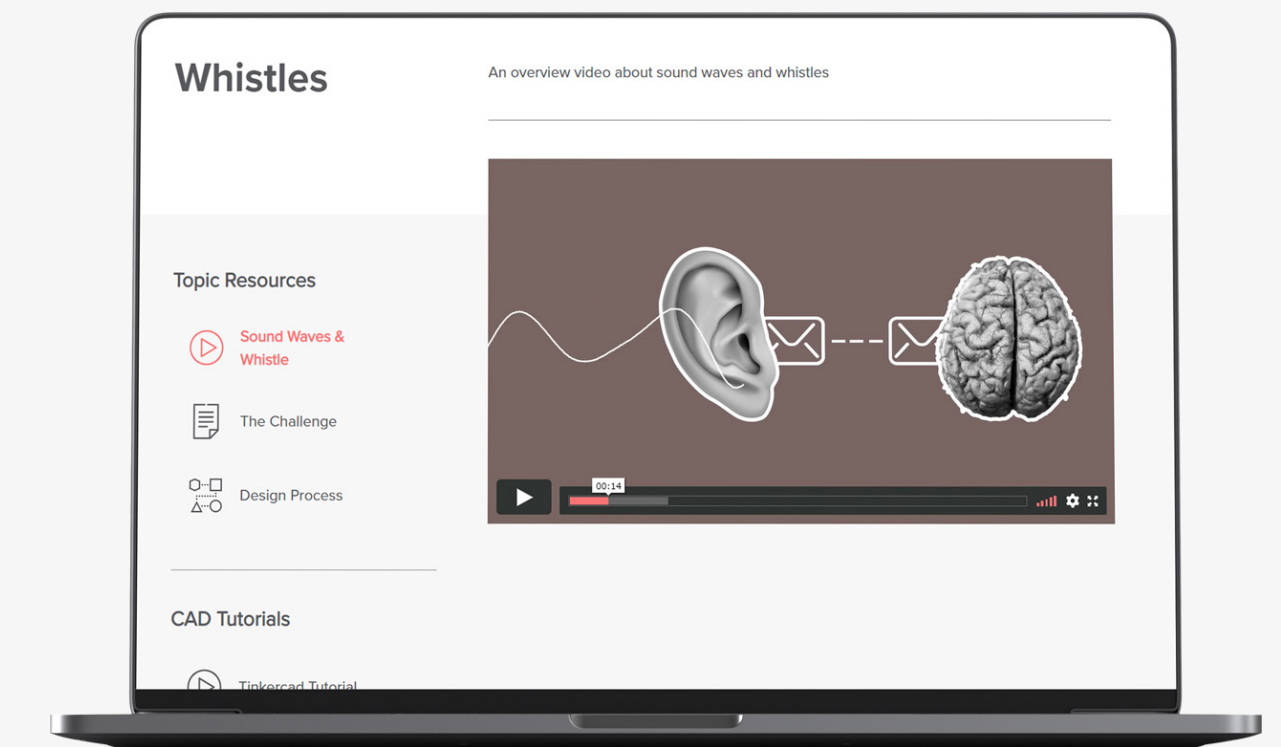


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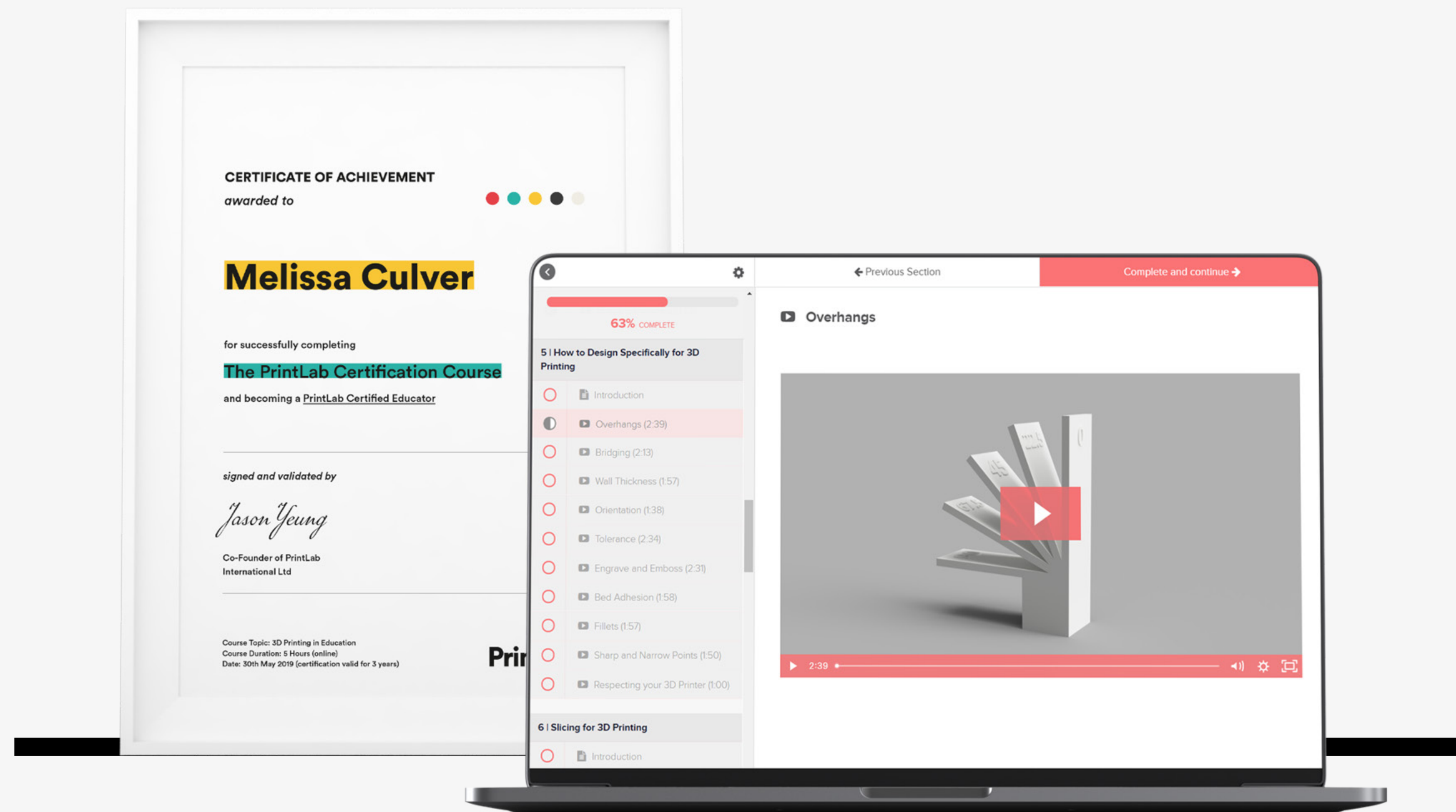
The Teacher Portal

Up to 10 accounts on our teacher portal for your staff and instructors - home to PrintLab's growing library of lesson plans and instructor certification course. Each lesson consists of step-by-step instructions, together with a range of downloadable and editable teaching resources such as presentations and worksheets.



The Student Portal

An access code for your library/makerspace members that allows up to 200 users on our student portal at any one time – where they can work through each project online in a self-paced manner without an instructor. The student portal is accessed via a code and allows resources to be viewed on devices anywhere and anytime.

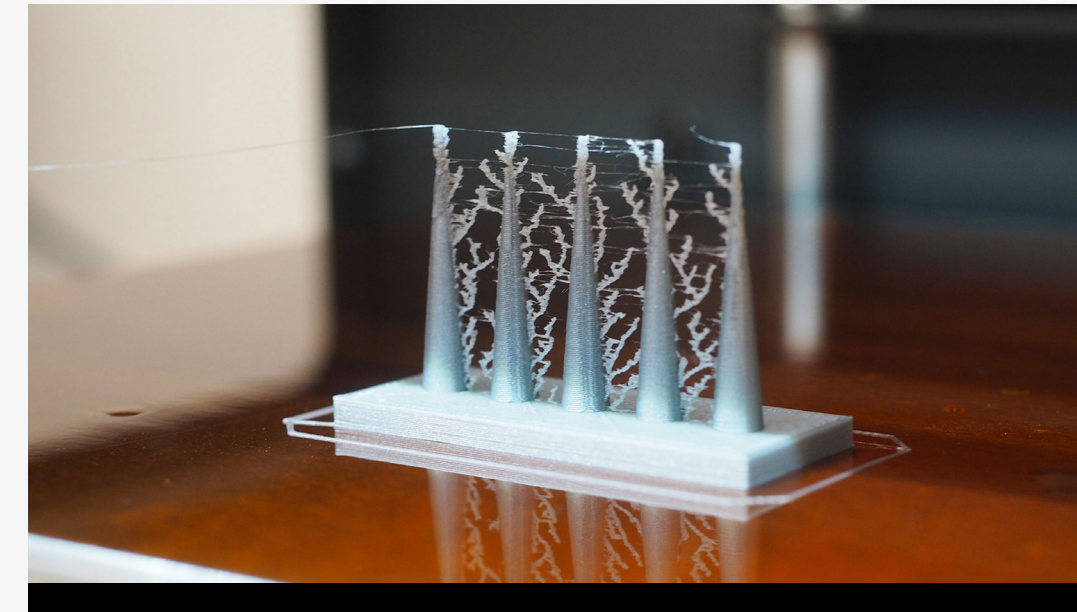


The PrintLab Certification Course is hosted on our teacher portal and is the starting point for library/makerspace staff and instructors. The aim is to empower instructors in becoming proficient and confident in teaching 3D printing classes, whilst ensuring they have the necessary skills to support 3D printing at your premises. The 5 hour self-paced online course covers everything from the 3D printing industry and process through to CAD techniques and design thinking.

train the trainer.

e-learning for members.

Provide all your library/makerspace members with the access code to PrintLab's student portal, where they can participate in self-paced courses and projects before using your 3D printing equipment to bring their ideas to life. Our content is designed to be used by beginners or experts of all ages and with the range of 3D printing applications we cover, there's something for everyone.

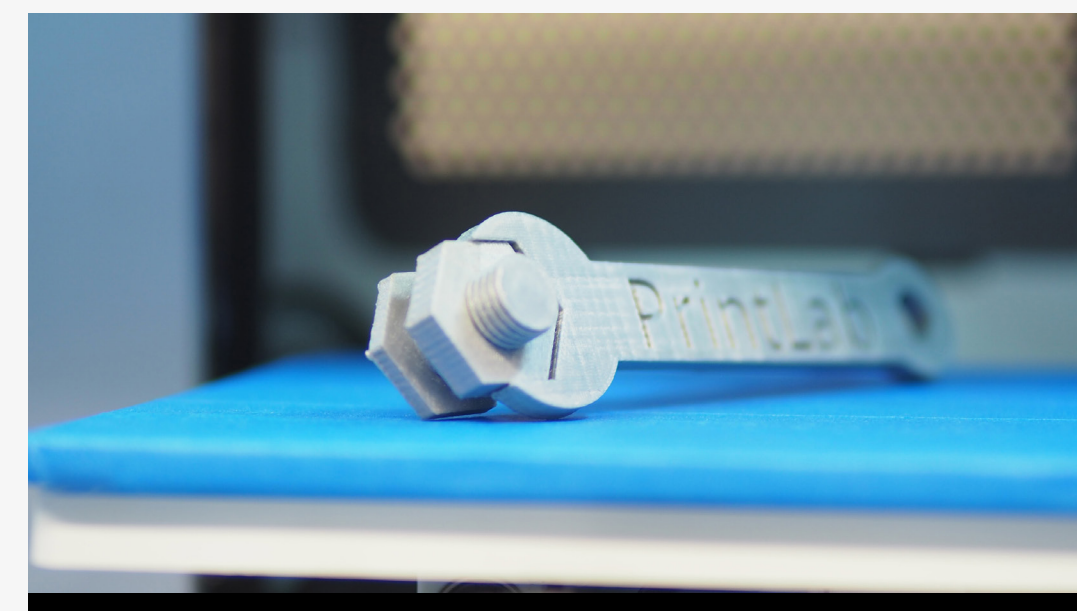


Slicing for 3D Printing

A video series that shows the effects of changing slicer parameters such as print speed, print temperature and retraction.

3D Modelling Basics

A self-paced mini-course that introduces users to 3D modelling in Tinkercad software.



Functional Wrenches

A project that involves users designing and 3D printing wrenches to fit various sized nuts and bolts.



Functional Whistles

A STEM lesson/workshop where users learn about sound waves before designing and 3D printing their own whistle.

Assistive Device Academy

A human-centred design project where users create assistive devices for people with disabilities.



Balloon Powered Dragsters

Users learn about forces and motion before design and 3D printing balloon powered dragsters to race in a competition.

outreach & workshops.

Are you supporting your community and working with local schools and organisations? By using PrintLab's teacher portal lesson plans in your workshops, you can be rest assured that what you teach is aligned to curriculum standards and linked to core subject areas. Hosting events for adult-learners can also assist you in bringing people to your library/makerspace and maximising the usage of your 3D printers.



Stuart Lawn FabLab Manorhamilton (Ireland)

“The kids loved it and we actually managed to get a working whistle at the end! One of the kids has been so keen on it he convinced his Dad to buy a 3D Printer kit and they spent the weekend building it together!”



Ceima Cemaldeen Olds Municipal Library (Canada)

“I enjoy PrintLab because it offers a feel good goal of assisting people in our community and all over the world, while building necessary universal 3D development skills and concepts. The content is clear, sleek, and accessible for all ages and can be used on its own or to supplement a library program or workshop. I use PrintLab courses to certify adult patrons who wish to use the library’s 3D printer independently, as well as to teach in 3D printing summer camps for children and teens. This is a valuable tool for every public library that wishes to provide beneficial knowledge with a purpose to their community!”

testimonials.

PrintLab Classroom Site License (1 Year)
\$999

10 x teacher portal account (40+ fully-resourced lesson plans with new content each month).

10 x seats to The PrintLab Certification Course for instructors (5-hour online course).

200 x student portal users (access code is provided that allows 200 users to use PrintLab's student portal at the same time. The access code can be changed at anytime by emailing hello@weareprintlab.com).

pricing.

say hello.
(Click)

or **start a free trial.**
(Click)

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