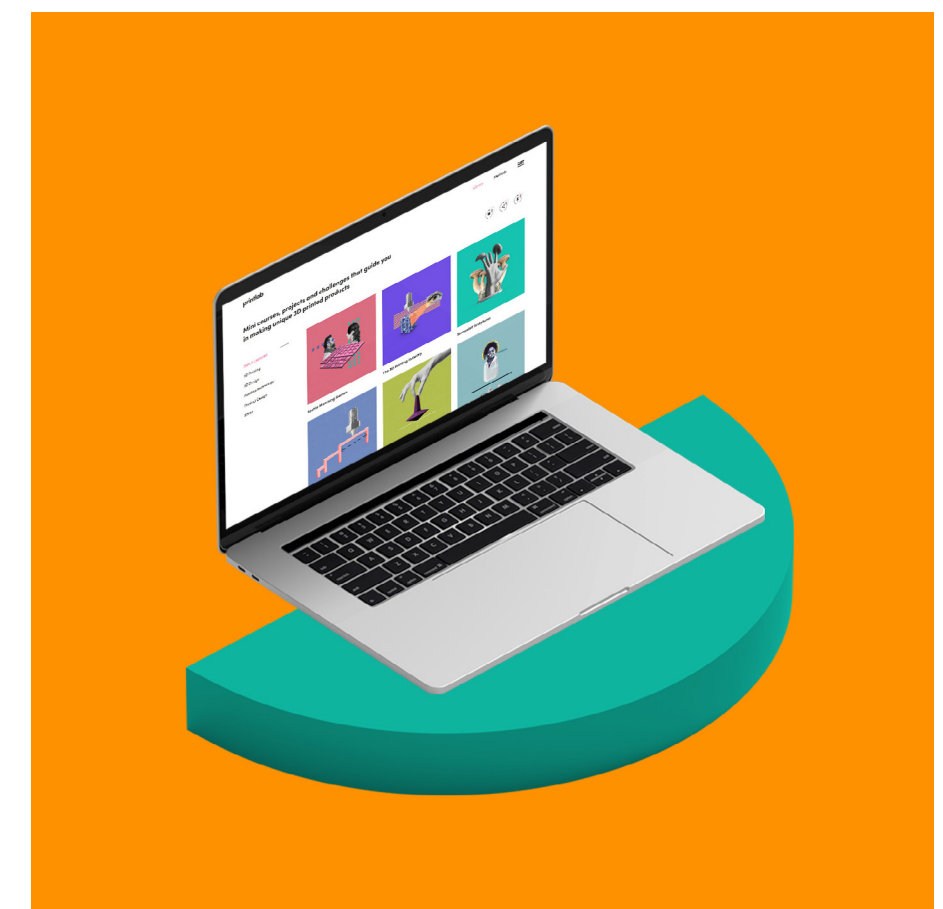
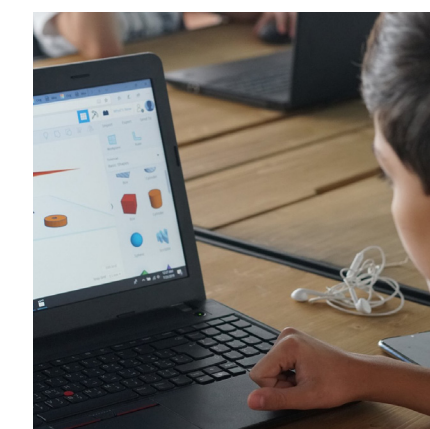
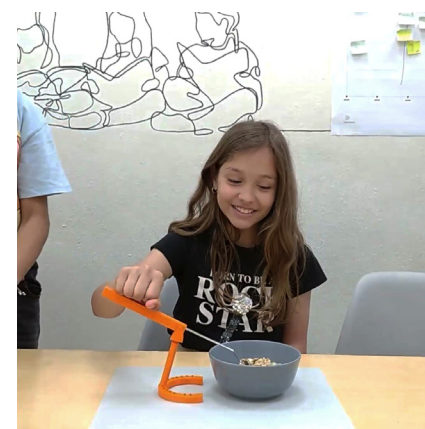
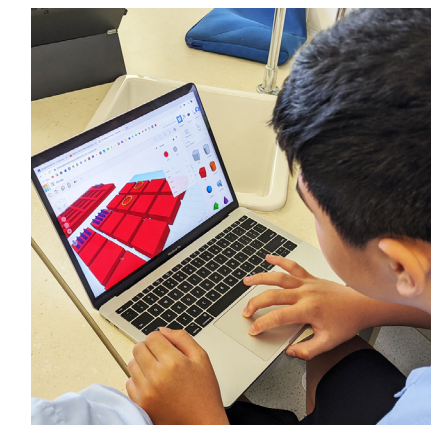
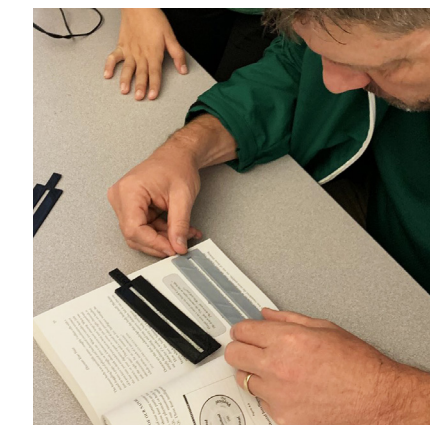
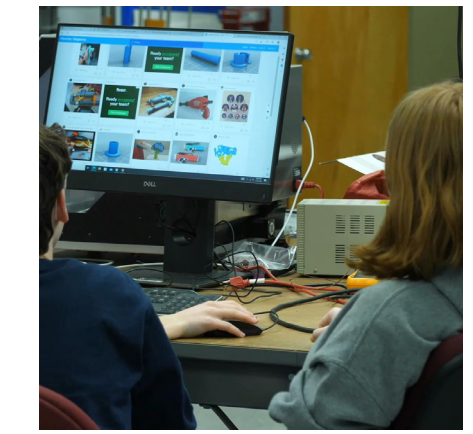


Introducing the **Bambu Lab X1E Education Bundle** for schools, universities and makerspaces.





## Confidently integrate 3D printing into the curriculum and deliver **authentic learning experiences.**

Elevate your classroom with the ultimate 3D printing bundle! Combining the precision and speed of the Bambu Lab X1E 3D printer with PrintLab's engaging, standards-aligned curriculum, this bundle empowers educators to seamlessly integrate hands-on learning with cutting-edge technology, inspiring creativity and innovation in every student.

# Bundle Contents

Everything included in the X1E Education Bundle

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X1E 3D Printer



AMS System



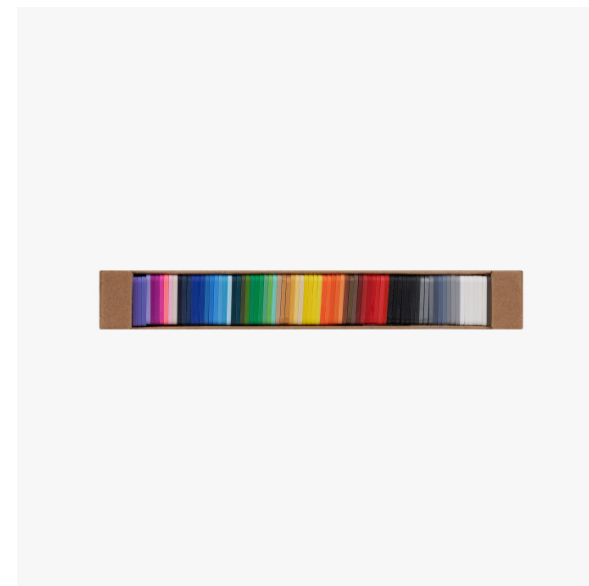
Build Plate



PAHT-CF, PLA-CF Support for PA/PET



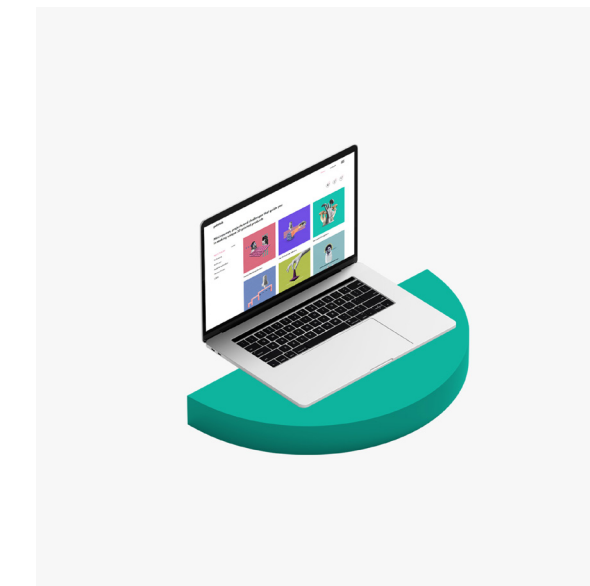
Replacement Filter



Filament Swatch



Accessory Box



PrintLab Teacher License (1 Year)

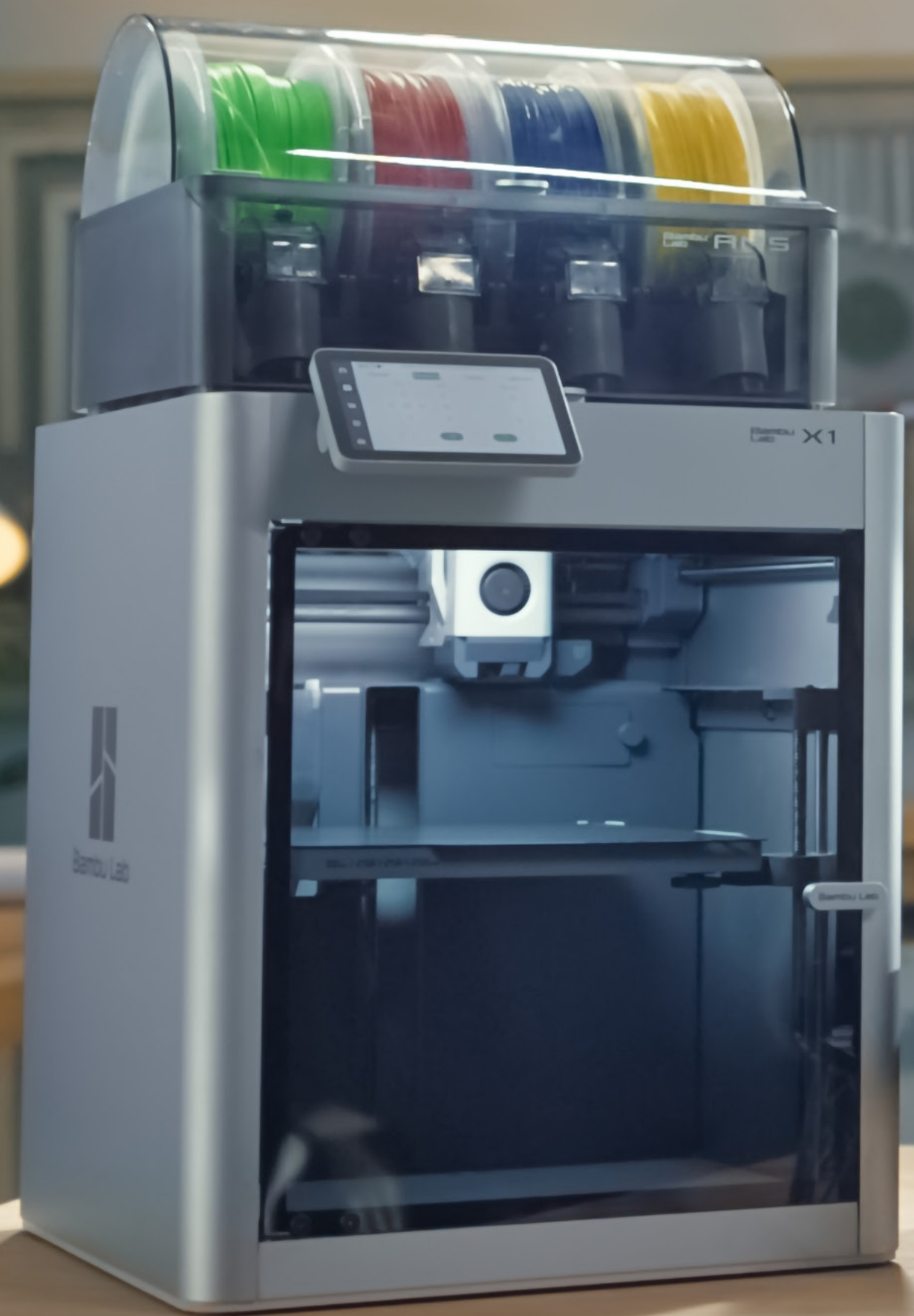
# Bambu Lab X1E Key Features

*Professional capabilities without the industrial price*

- 256\*256\*256 mm<sup>3</sup> Build Volume
- High-speed printing. Toolhead acceleration upto 20,000 mm/s<sup>2</sup>
- Handles high-performance materials up to 320°C
- Advanced air filtration with HEPA filter
- Active heating and controlled chamber temp
- Strong ethernet and secure Wi-Fi connectivity options
- Optional off-cloud operation through LAN
- AI failure detection
- Intelligent multi-color printing with AMS system
- Auto-adjusts for vibrations and extrusion issues

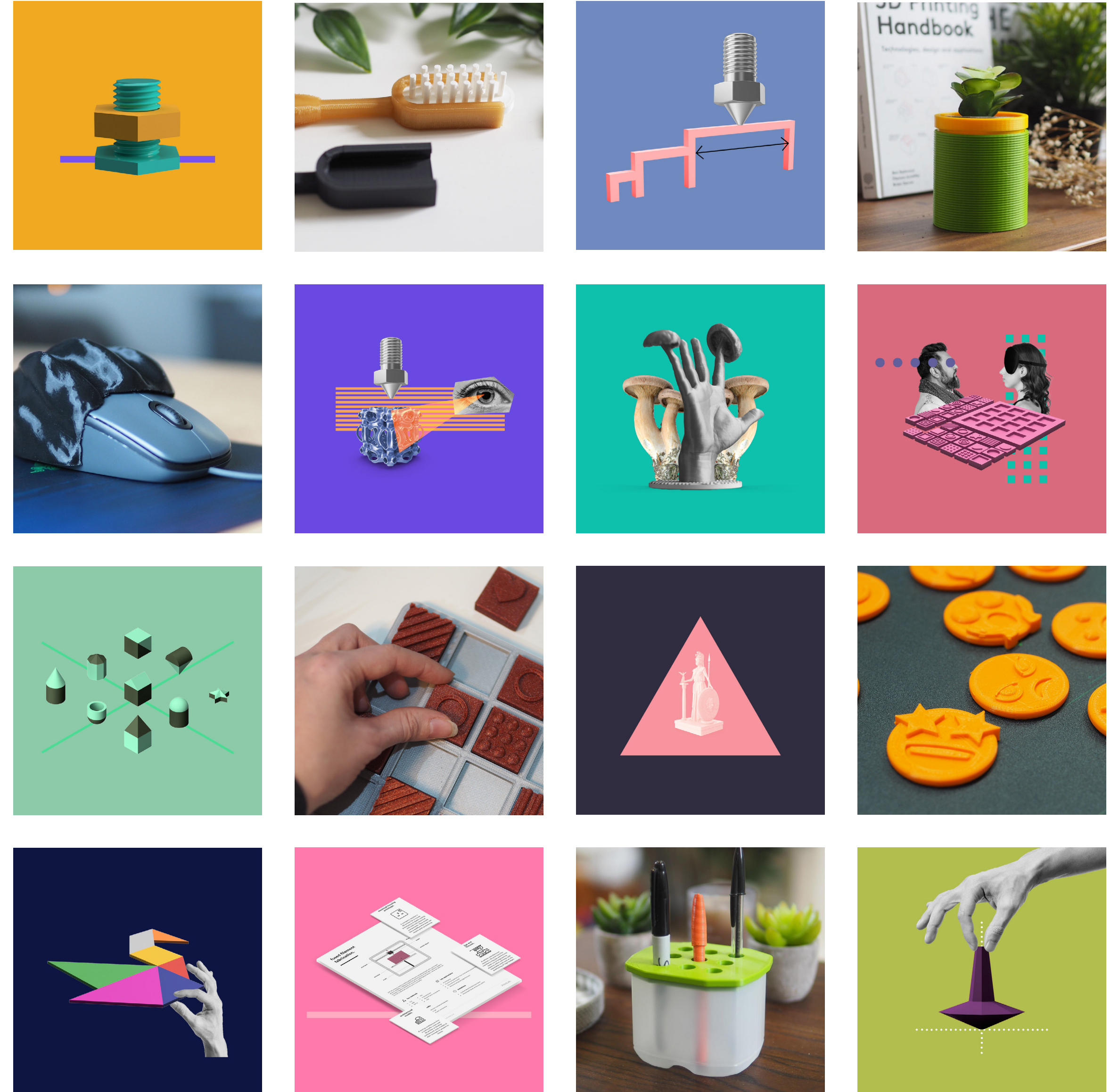
[Download Full Specification Sheet](#)





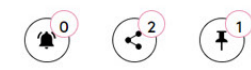
# Each Bambu Lab Education Bundle comes with a **1 Year Teacher License to PrintLab.**

PrintLab is an online platform that offers courses, tools, and certifications in 3D CAD and 3D printing. Their mission is to empower educators and students with industry-recognised skills and credentials, while guiding them in designing meaningful products along the way – whether it's assistive technology, sustainable homeware, or many other innovative solutions enhanced by the customisation of 3D printing.



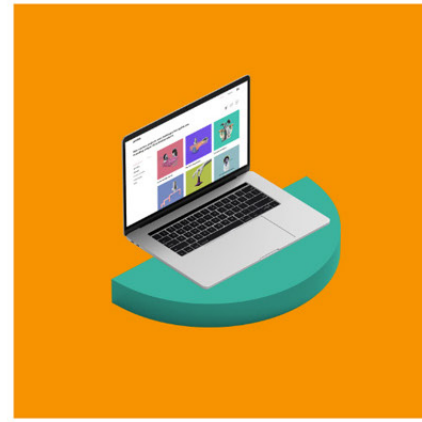
There are 3 course types available in PrintLab's library, that you can pick and choose from - **mini courses**, **projects** and **challenges**.

Mini courses, projects and challenges that guide you in making unique 3D printed products

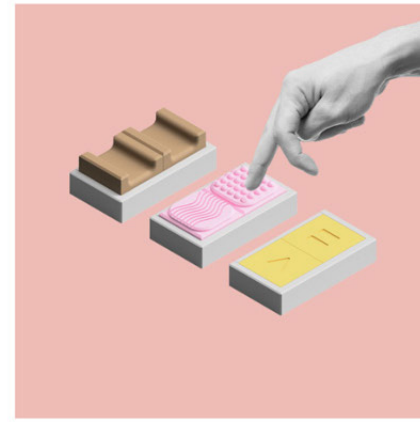


New & Featured

- 3D Printing
- 3D Design
- Assistive technology
- Product Design
- STEM
- 3D Scanning



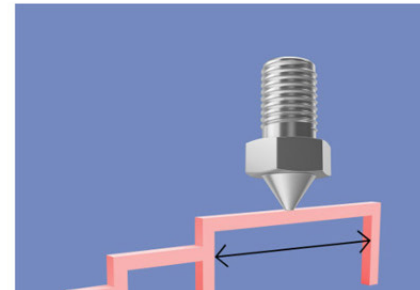
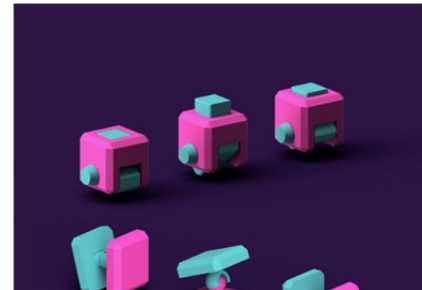
PrintLab User Guide



Micro:bit Switch Access



Rethinking Plastics



Begin by selecting **mini courses** for professional development, before sharing with students.

Mini courses feature informative videos or step-by-step tutorials, building foundational 3D printing knowledge and 3D CAD skills in Tinkercad or Autodesk Fusion (both free for education). Each course ends with a quiz, and you can download a certificate if you score over 70%.



Courses Tools

## 2. The 3D Printing Industry

Course • Mini Courses



- Introduction
- 1. The Technology
- 2. Rapid Prototyping
- 3. Local Manufacturing**
- 4. On-Demand
- 5. Customisation
- 6. Sustainability
- 7. Access
- 8. Complexity
- Quiz



Sources included in video





Then move on to **projects**, where students will go through the full creative process.

Projects guide students through each stage of the design process to create products in the fields of assistive technology, product design, and STEM. They offer a blend of online and offline design activities, editable template portfolios, and standards-aligned lesson plans for educators to use in the classroom.



The screenshot shows the PrintLab website interface. At the top, there's a navigation bar with 'PrintLab' logo, 'Library', and 'Methods'. The main heading is 'Ergonomic Transformations' with a sub-heading 'Project • 3D Scanning'. A sidebar on the left lists project stages: Introduction, 3D Scanning Options, Transformation Methods, Skill Building, Define the Brief, Design + Make (highlighted in pink), and Submit. The main content area has an introductory paragraph and two columns of images. The first image shows a white clay model of a mouse being worked on. The second image shows a hand holding a smartphone to photograph the model. Below these are two text boxes: 'STEP 1: Clay Model' and 'STEP 2: Photograph'. At the bottom, there are two small thumbnail images: one for 'Real-time Prototyping' and another showing a hand holding a 3D-printed part.



## Courses and projects will prepare students for open-ended design **challenges.**

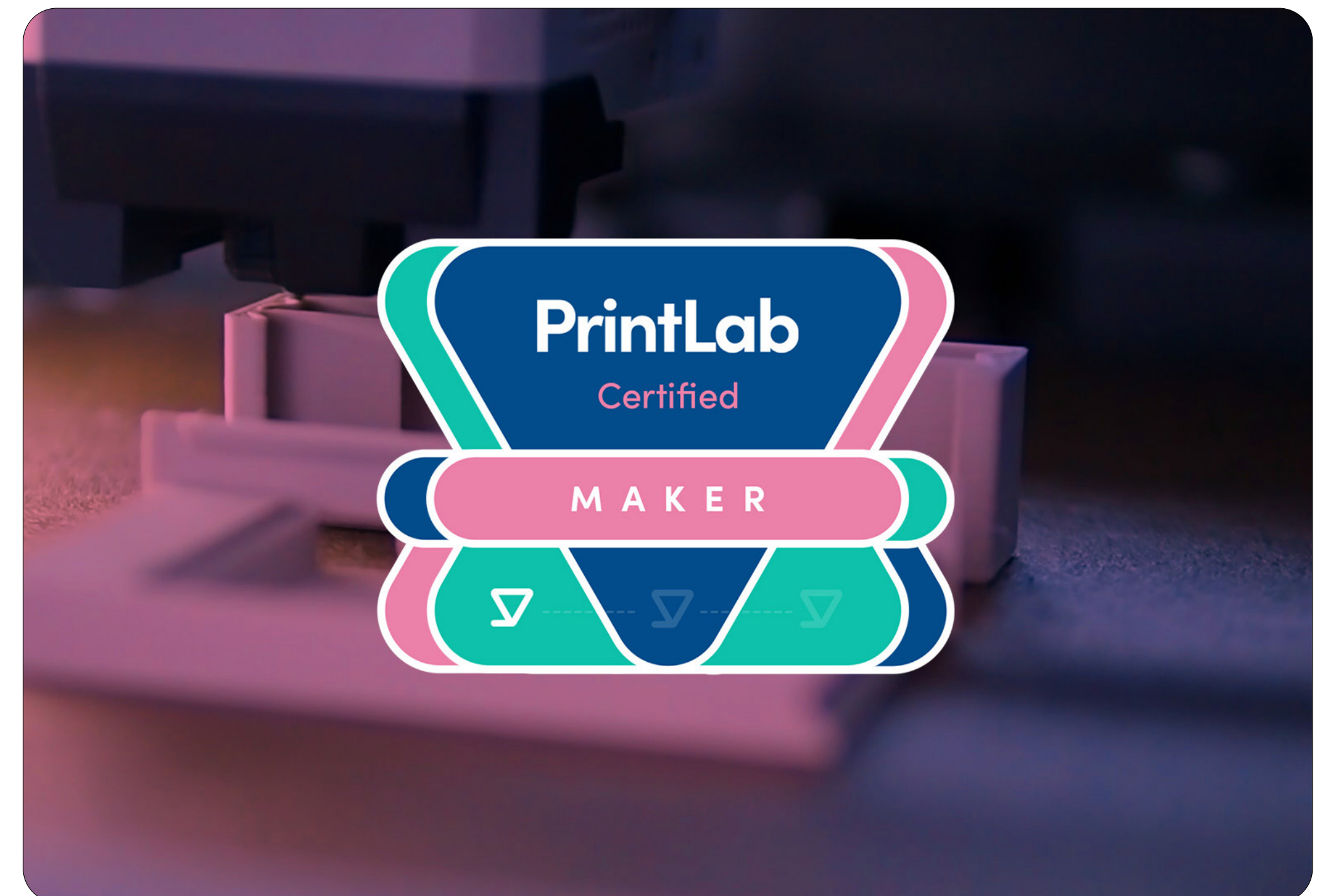
Challenges are live briefs that give students the opportunity to design creative solutions for real organisations and individuals. They offer complete freedom in both product and process, and to support students, they will have full access to the Tools Library—a comprehensive collection of design activities, tips, templates, and tutorials that can assist at any stage of the design process.



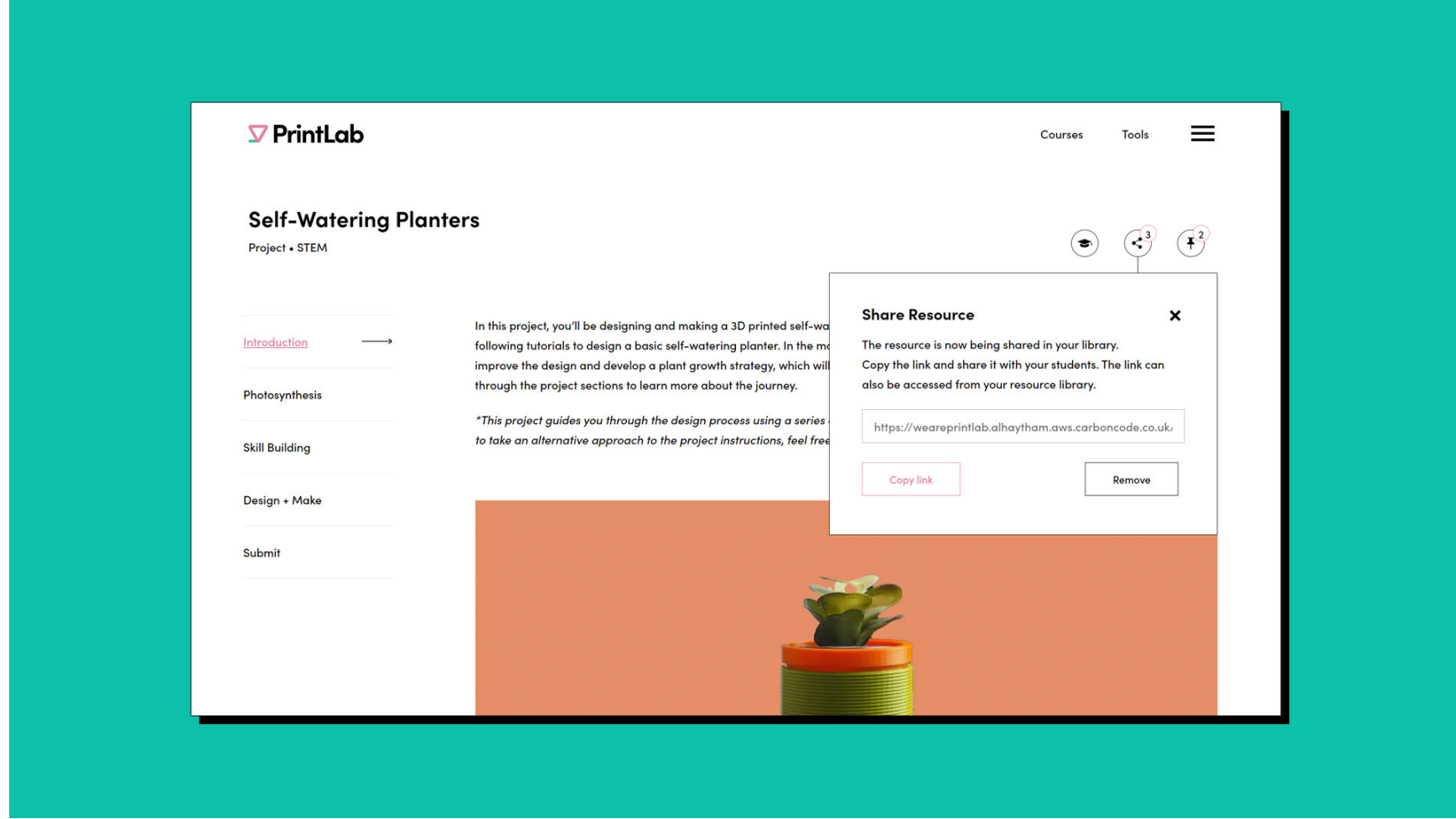
While using PrintLab, you can submit evidence of your work and earn **certifications** along the way.

While progressing through mini courses, projects, and challenges - you can earn industry-recognised credentials in the form of digital badges along the way. These verifiable and shareable micro-credentials are ideal for showcasing on your email signature, resume, social media, or digital portfolio, allowing you to highlight your skills to peers, employers, educational institutions, and the broader community.

Digital badges are awarded upon submitting your mini course certificates, as well as example student portfolios and challenge solutions. Additionally, there is a version of the program specifically for students, where they can submit their own work to earn their badges.

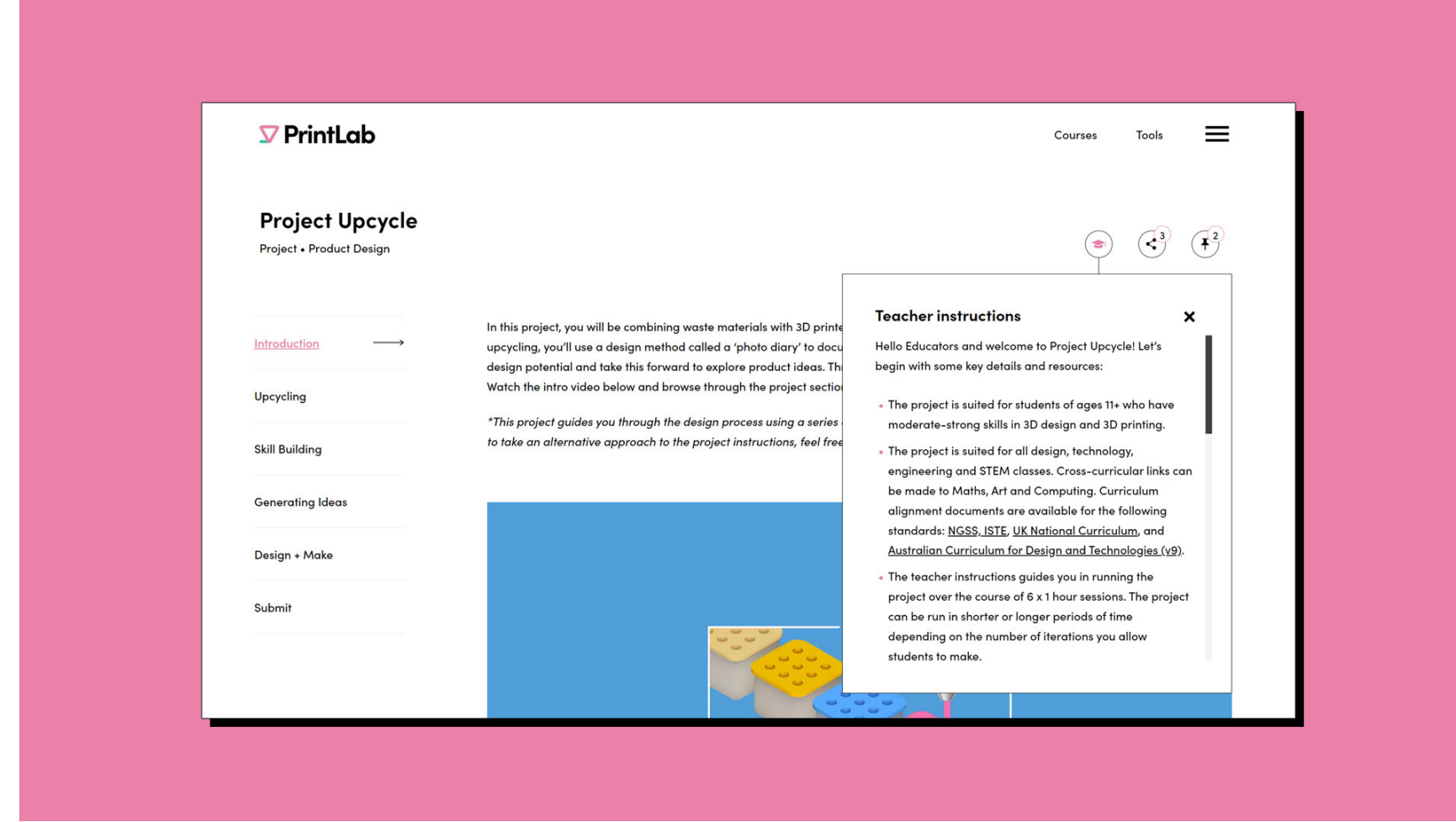


Accelerating the growth of 3D printing in education is at the heart of what PrintLab does, which is why they have a range of features designed specifically for educators.



## Share Links

Select a course, generate a share link and send it to your students to give them one-click access to the learning platform. No logins required!



## Teacher Instructions

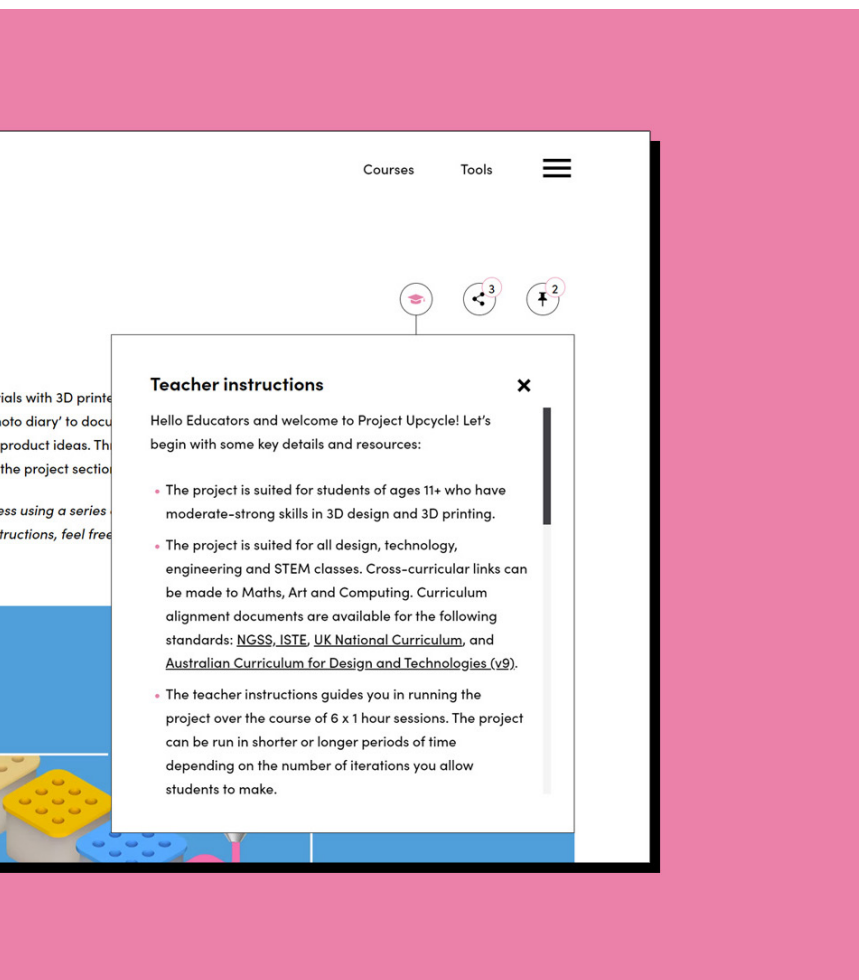
Each course comes with a teacher instructions tab, which provides you with step-by-step lesson plan instructions. As you go through the resource sections, the teacher instructions update accordingly.



## Portfolio Template

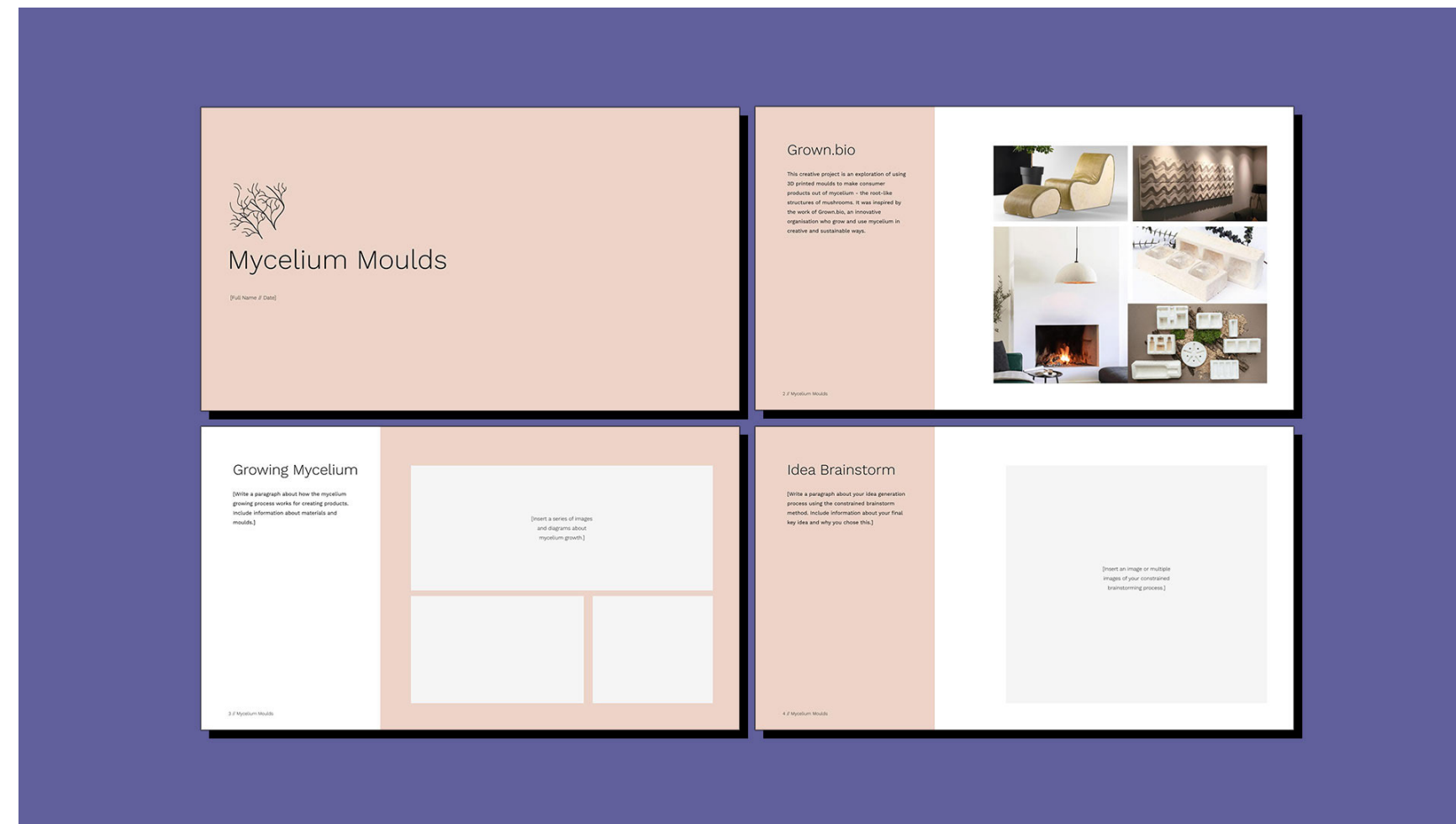
As students move through each stage of the project, the platform guides them in filling in a portfolio template. As they complete their design process - resulting in a final product - they can upload their work.





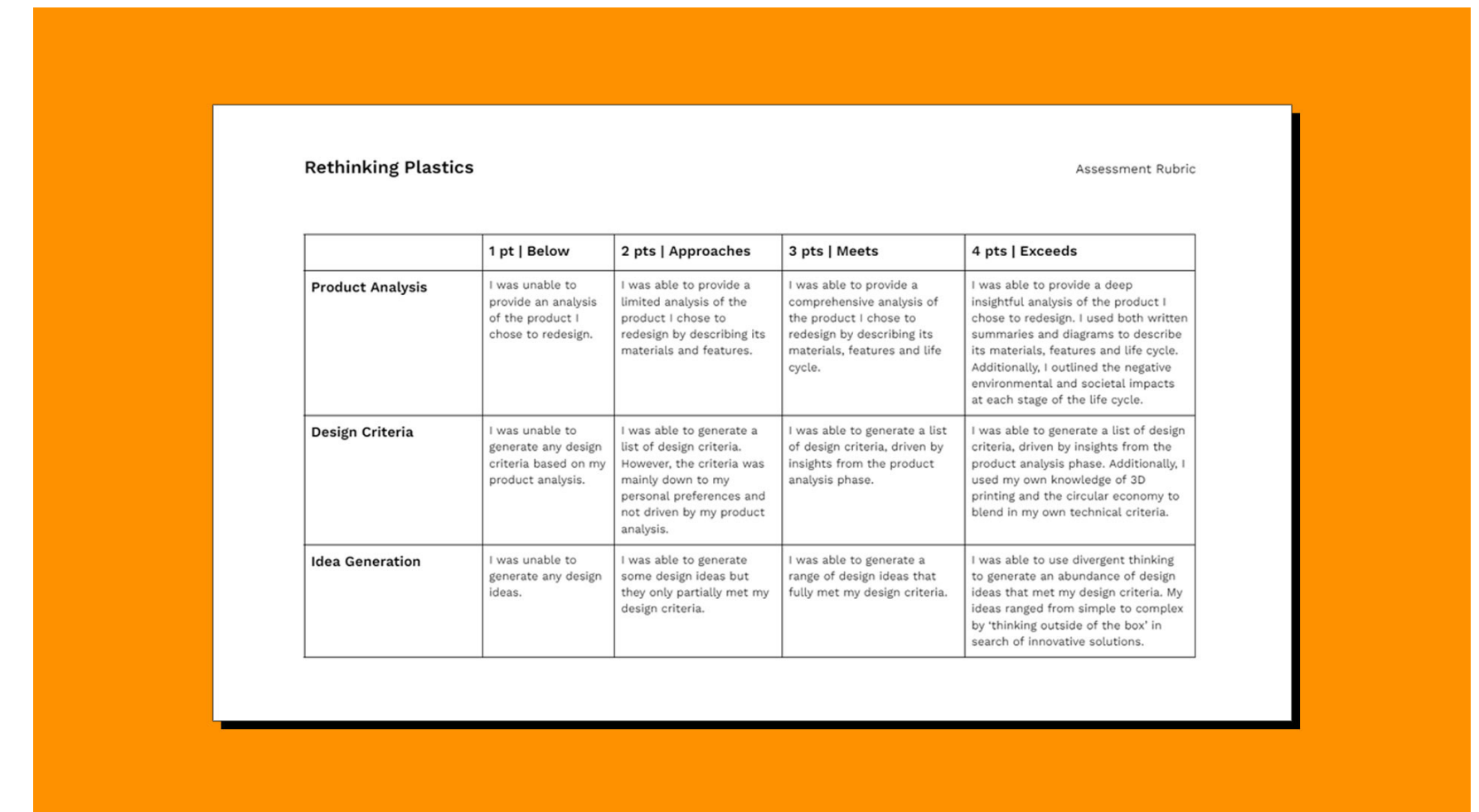
# Instructions

er instructions tab, which provides  
structions. As you go through the  
ctions update accordingly.



# Portfolio Templates

As students move through each stage of a project, the learning  
platform guides them in filling in a Google Slides template to document  
their design process - resulting in a beautiful and professional portfolio  
of work.



# Assessment Resources

PrintLab curriculum is aligned to the following standards: NGSS, ISTE,  
UK National Curriculum, New Zealand Curriculum and Australian  
Curriculum for Design and Technologies (v9). Resources come with  
both curriculum alignment documents and editable assessment rubrics,  
which can be used to grade student portfolios.



“

So, I just love what these guys are doing! They definitely have a grasp of what is needed in the classroom for sure. I feel like everything is laid out perfectly here. This would be something that I feel like I wouldn't really have to tweak at all. Honestly, with the future unknown, this content would be priceless for teachers like me. From what I have seen from this company, they are doing a phenomenal job! I highly recommend it!

Bill White, Avonworth School

“

I was just selected as District Teacher of the Year and will be competing at the regional level in the coming months. Your curriculum has played a big role in my success, so I appreciate you so much. The assistive device lesson has led me to a partnership with the high school nursing program and their connection to local nursing homes. I'm so excited to see where that relationship leads. So many career connections!

Becky Wynne, Maryville Middle School

Request a quote at  
[www.tecedu.com](http://www.tecedu.com)