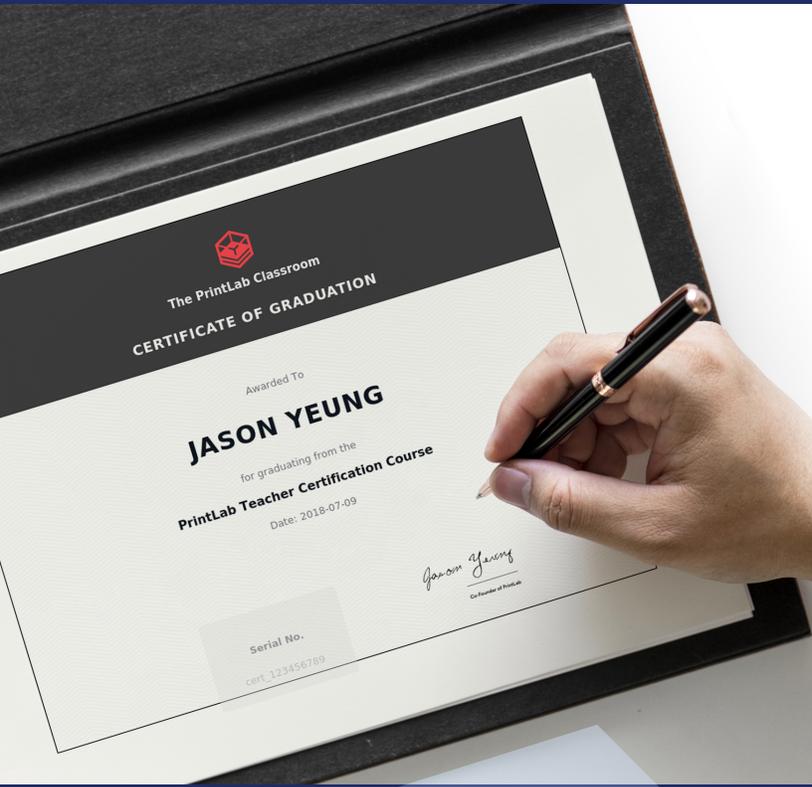


PrintLab

Teacher Certification



IMAGINATION
Technology Inc.



Hello Teachers!

Welcome to The PrintLab Teacher Certification Course, where you will go through a self-paced, step-by-step journey to learn about the various aspects of 3D printing in the classroom. The course brings together extracts from various PrintLab lessons and pieces them together to create a step-by-step professional development journey for educators. The aim of the course is to enable teachers to become proficient and confident in teaching 3D printing curriculum, whilst ensuring they have the necessary 3D design and 3D printing skills.

During this training course, you will learn new information and skills to help you deliver PrintLab Classroom curriculum. These include:

- Reading background information on the 3D printing process, industry and educational relevance
- Following video tutorials to set up and manage your own Tinkercad teacher account, including monitoring student activity
- Following video tutorials to learn how to design various 3D models from PrintLab Classroom curriculum
- Digesting video-based information on how to design specifically for 3D printing
- Digesting video-based information on 3D printer settings, how they affect models and how to adjust them to your requirements
- Analysing diagrams and examples of the structure of PrintLab Classroom lessons
- Digesting video-based information on how to manage 3D printing in the classroom and how to adapt PrintLab Classroom lessons to suit your own strategy

At the end of the training are 3 graded assessment sections, which will need to be passed before you receive a certificate of completion.

The assessments include:

- A multiple choice exam about the 3D printing process, 3D printing in education, designing for 3D printing and 3D printer settings. In order to pass this exam, you must score over 70%. If you fail the exam, please contact hello@weareprintlab.com to reset your course platform.
- A 3D design challenge to design a unique pen shell that can fit a Bic biro cartridge through the centre to make it functional. Earlier in the course you will have followed step-by-step instructions to design an example pen. In this assessment you will be challenged to recreate a new unique version. Once completed, you will be guided in how to share the model link with PrintLab for assessment.
- Submitting a lesson idea, using knowledge gained from learning about the structure of PrintLab's 3D printing curriculum.
- Once the exam is complete and the 3D model and lesson idea are submitted, please allow 7 days for a PrintLab representative to assess your work and issue your digital graduation certificate.

For more information visit: www.imaginationtechnology.ca