Description

The 3D Printer Lab (provided by the Student Technology Fee) is in the Student Center's 24-Hour BIG Print Lab. It consists of four (4) Ultimaker 3D printers managed by Lab Monitors.

What is 3D Printing?

3D printing is a process of making a three-dimensional solid object from a digital file. The object is created by laying down successive layers of material (melted filament) until the object is created. You can create the digital file (.STL format) yourself using 3D modeling software or download an object from a 3D repository (Thingiverse).

Who Can 3D Print?

The 3D printers are available for use by all Louisiana Tech University students. Each student will be allocated 100 grams of PLA filament per quarter or they can opt to BYOF (Bring Your Own Filament) and print up to 500 grams (talk to one of our Lab Monitors for more information).

A few simple rules:

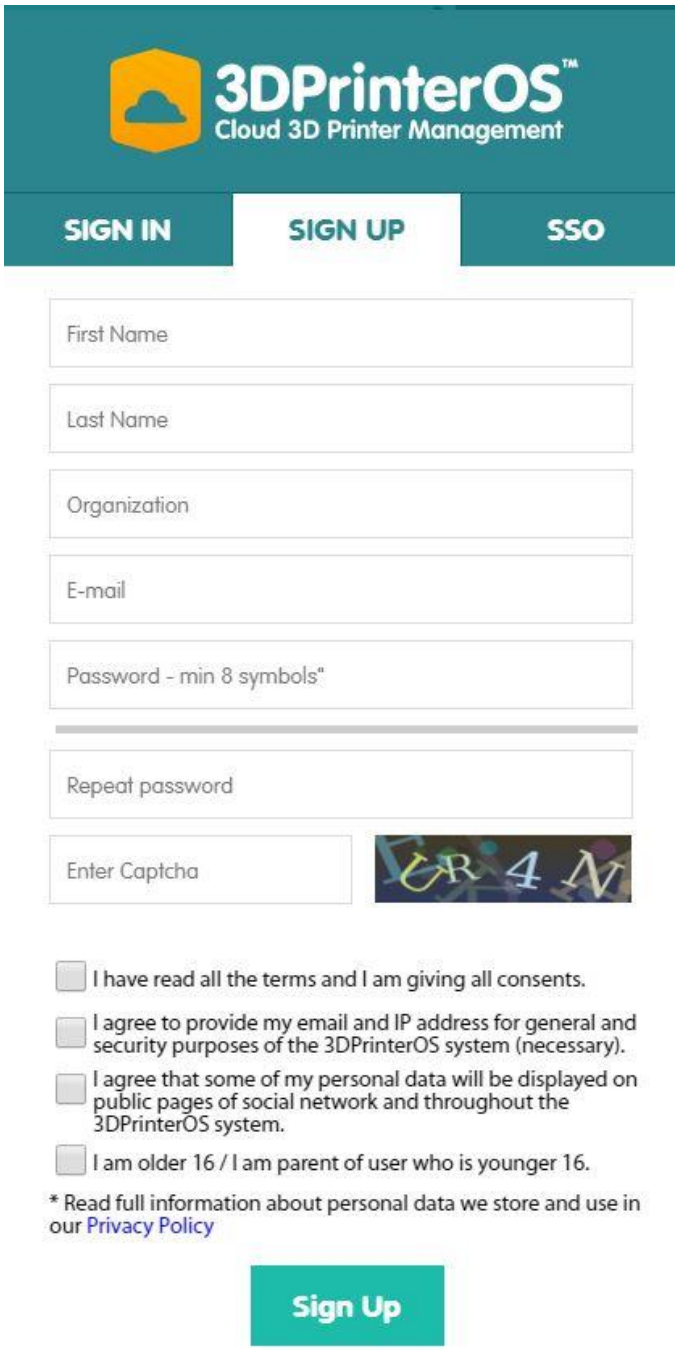
- Only the Lab Monitors will have hands-on access to the 3D printers
- Weapons or obscene and inappropriate objects will NOT be printed
- Objects violating copyrights, patents or trademarks will NOT be printed
- Printed objects CANNOT be sold
- Printing is done on a first-come first-serve basis

Follow the steps below to start 3D printing at Louisiana Tech's STF 3D print lab.

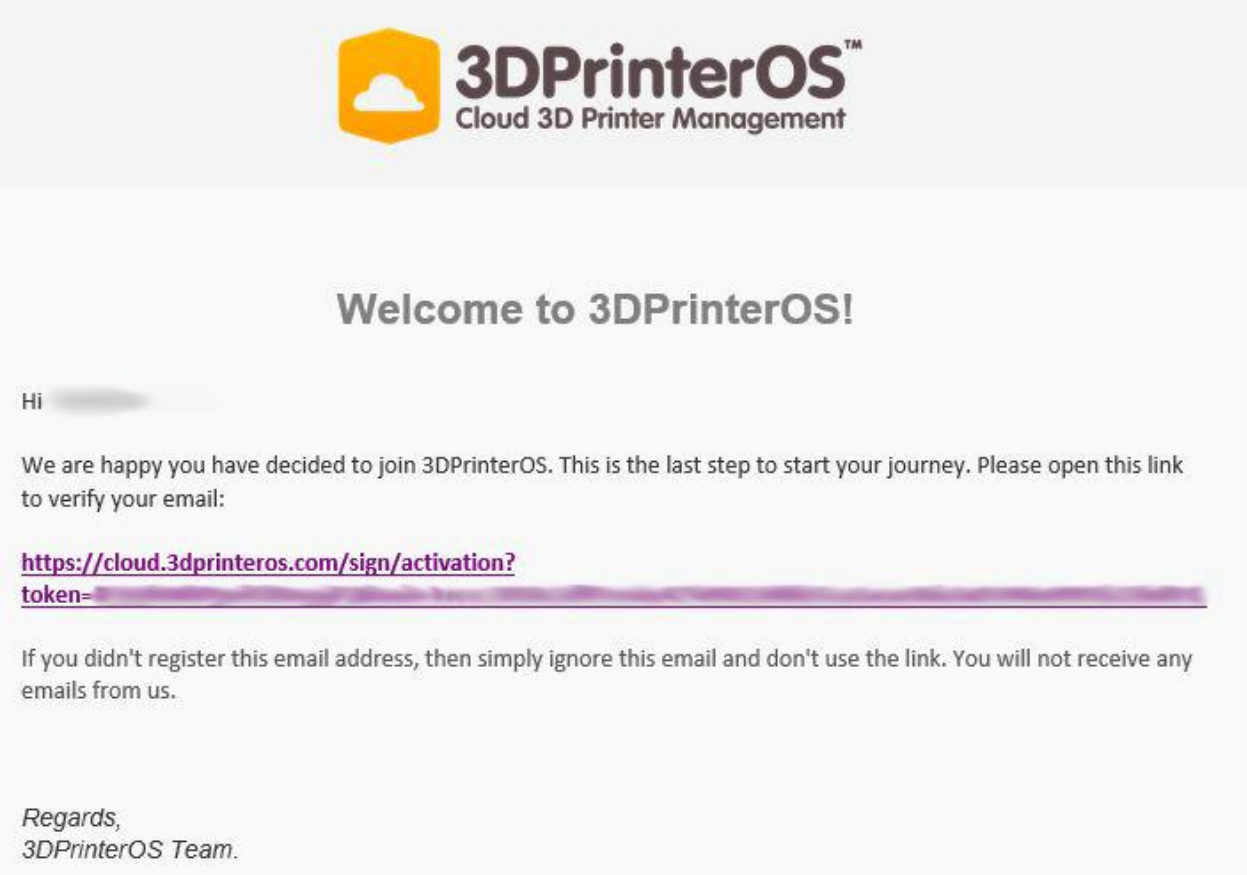
How to 3D Print

1. Setup your 3DprinterOS account:

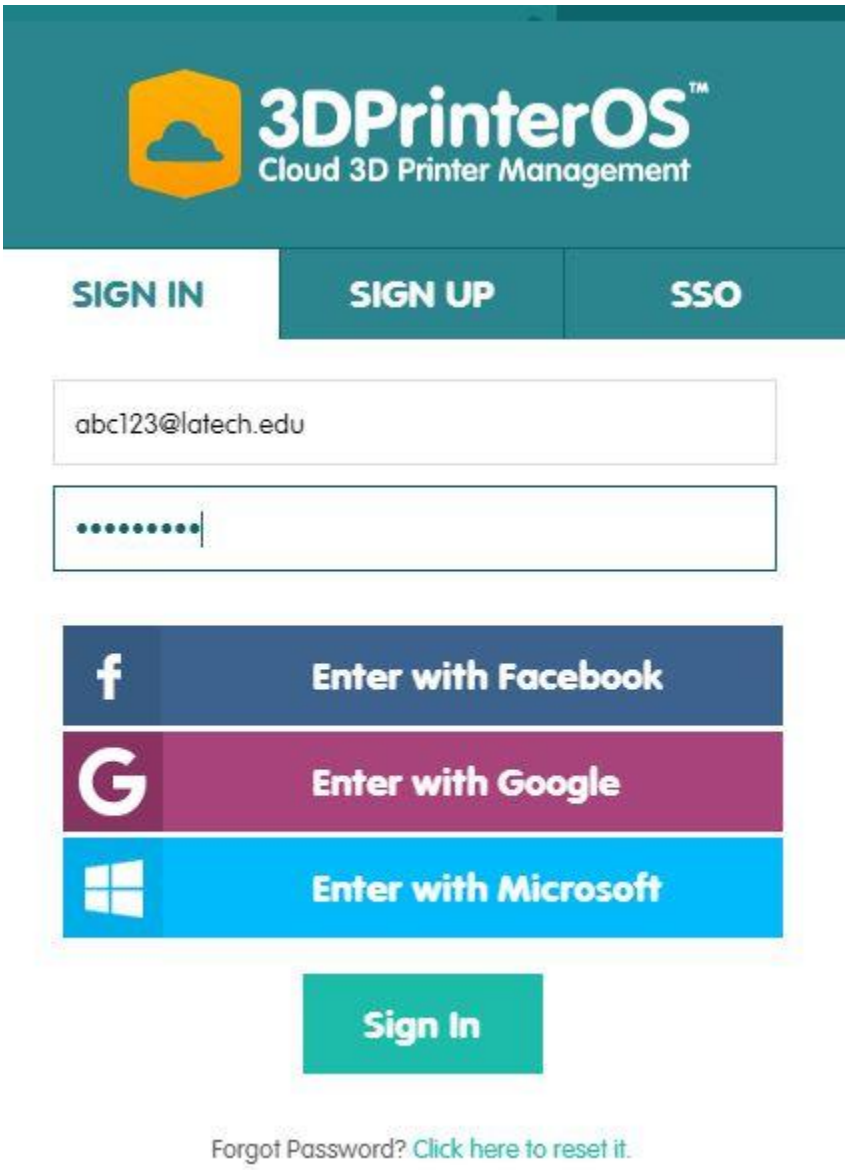
   - SIGN UP at **cloud.3dprinteros.com** using your full La Tech email address (*abc123@latech.edu*)



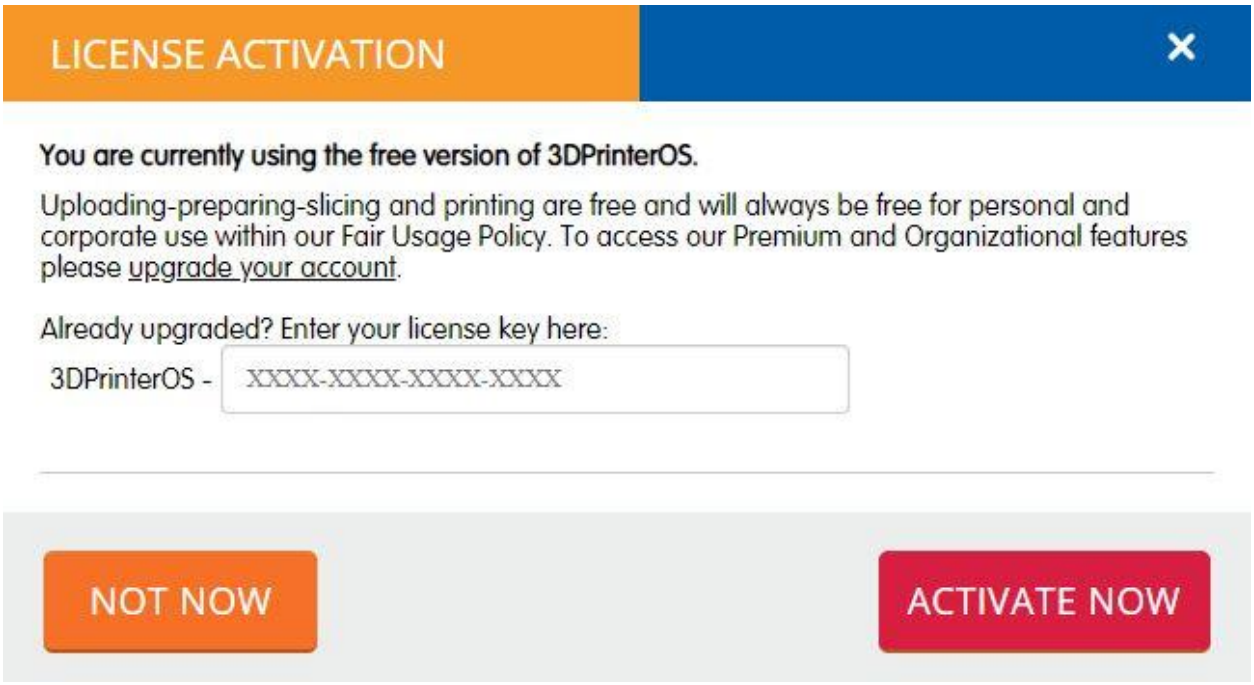
- Check your email and verify your account.



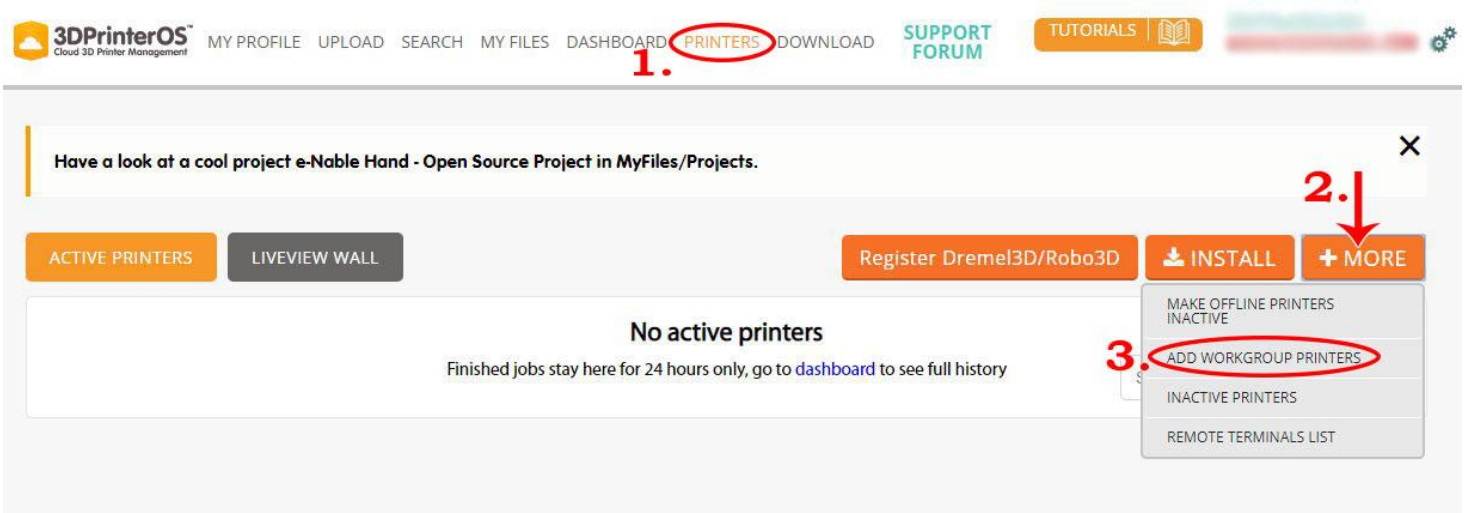
- Sign into 3dprinteros.com.



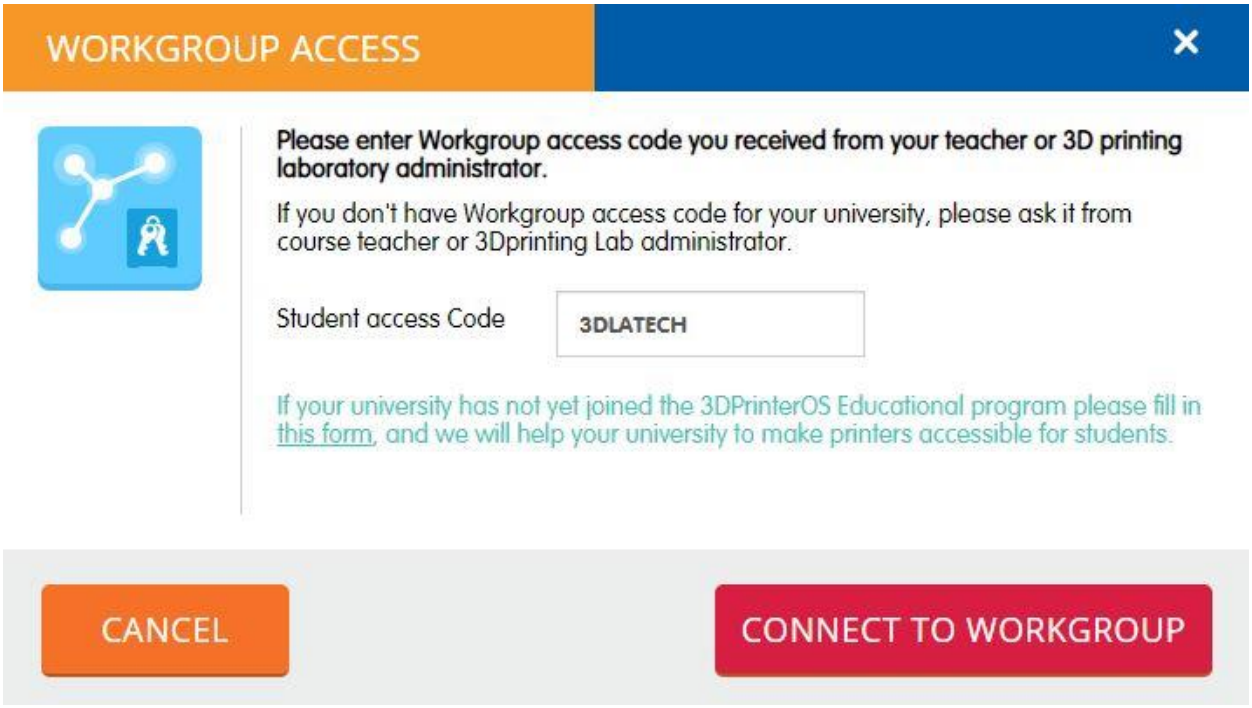
- Click “Not Now” on the License Activation popup window.



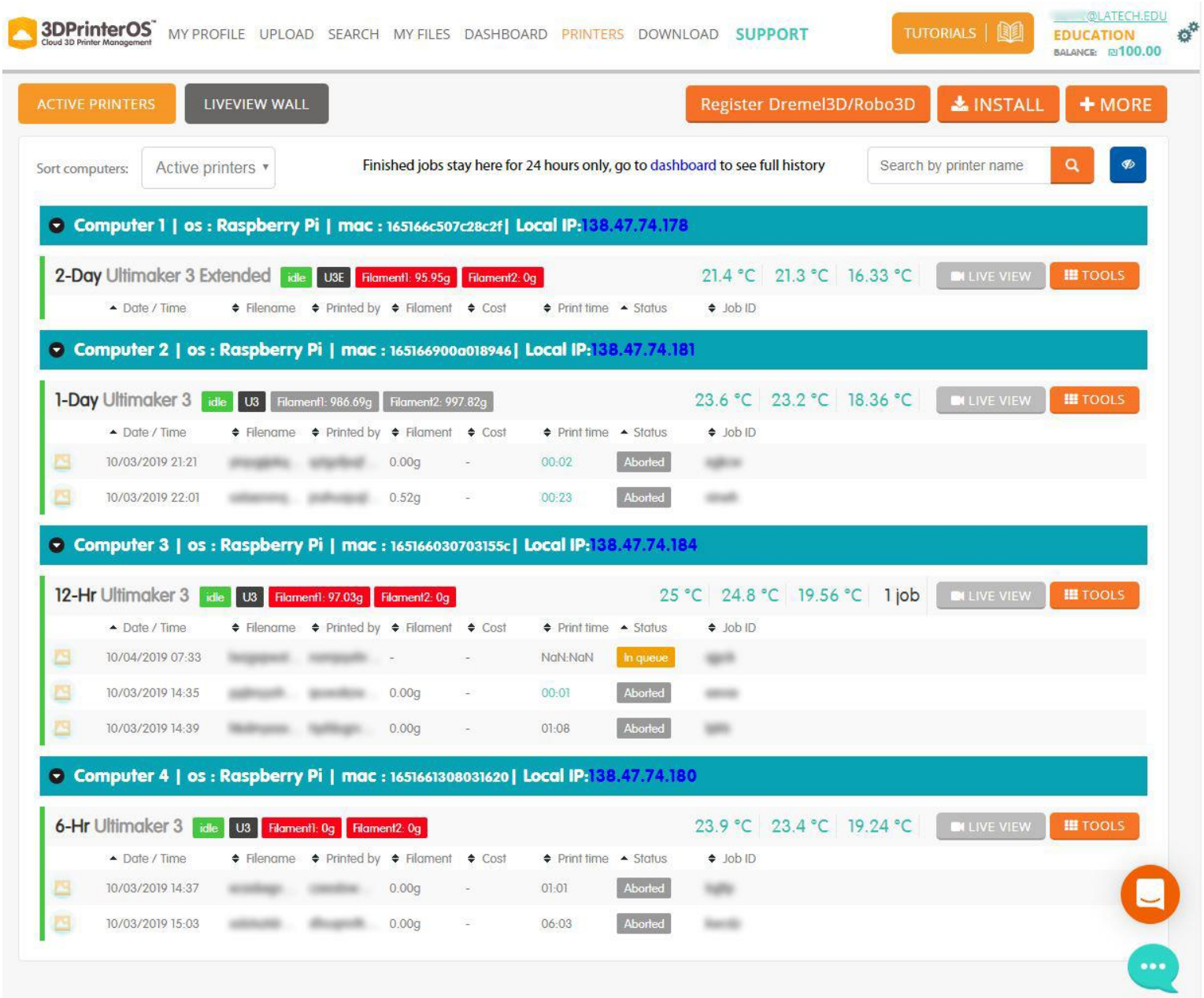
- Click on PRINTERS from the top menu bar, choose “+ MORE” and then click on “ADD WORKGROUP PRINTERS”.



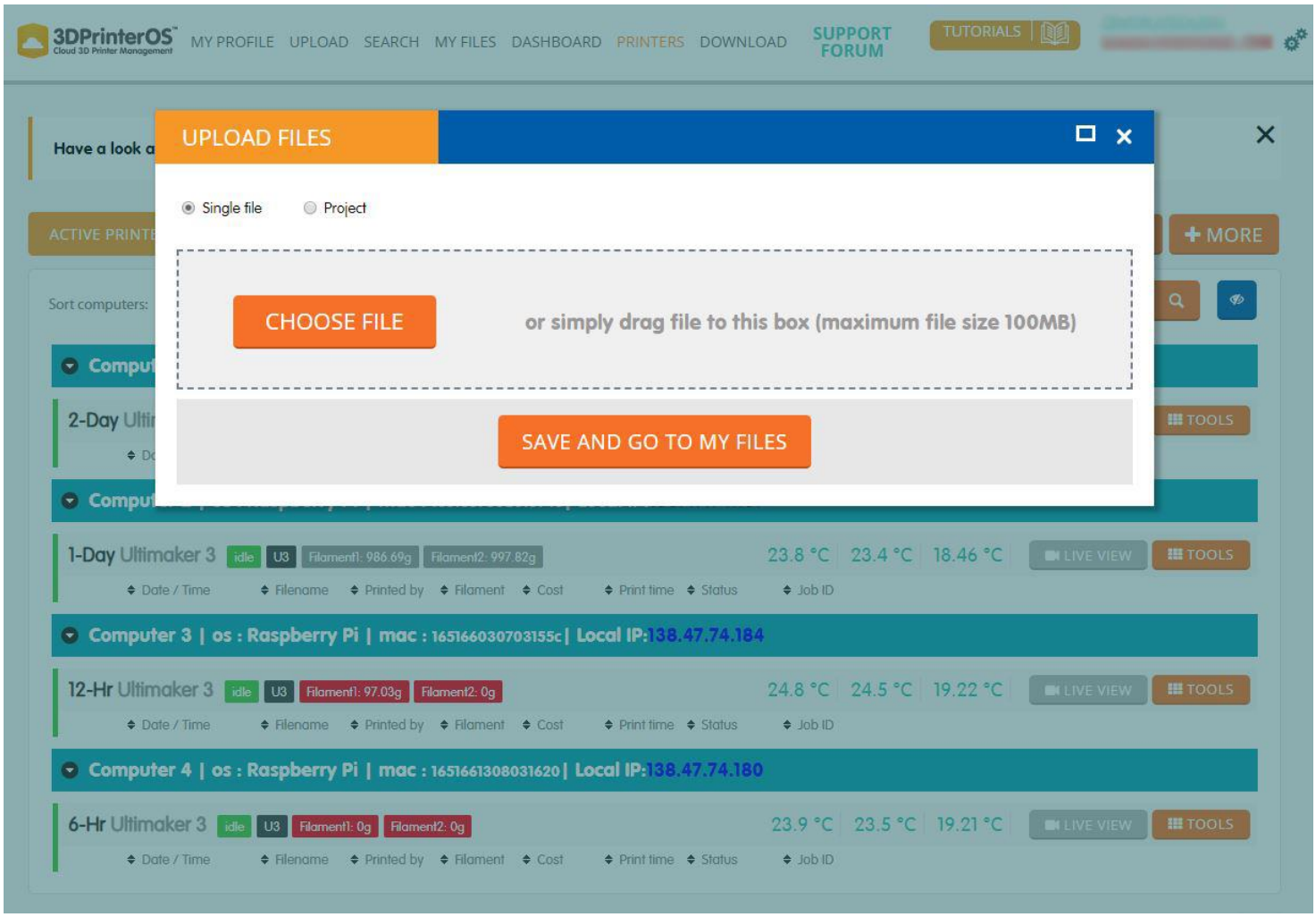
- For Student Access Code enter (in all uppercase): **3DLATECH** and click “Connect to Workgroup”.



- You should now see the four (4) 3D Ultimaker printers named 2-Day, 1-Day, 12-Hr & 6-Hr. (Notice your balance in the upper right-hand corner)



- Click on UPLOAD from the top menu bar to send your .STL file to print.



- A Lab Monitor will review your file and then print it for you. You will be notified via email for every step of the way (including getting a video link and video time lapse of your object being printed). Please pick up your object in a timely manner.