



3D Printers for Educators - ADVANCED 2023



PRESENTED BY

David Harmon & Greg Theron



SERIES SESSIONS

Date	Time
June 14, 2023	9:00 AM - 3:00 PM



LOCATION

Computer of your choice - -

FEE

\$125.00

QUESTIONS?

Contact Us:

403-381-5580

REGISTER ONLINE

Visit our website to register:

sapdc.ca

Program

This course is geared towards those who have attended the beginner and intermediate workshops. Although not a prerequisite for this workshop, having attended the other sessions will be helpful.

In this workshop, we go into the mechanics, programming, and control of 3D printers. This workshop will arm you with the knowledge to keep your fleet updated with the latest firmware, control your printer remotely and give you an understanding of how the GCODE files are used to control your robot army.

- We will give you the tools and knowledge to be able to manage to update your printer through firmware Updates with Visual Studio Code to compile Marlin.
- Use a Raspberry Pi with Octoprint to remotely control and manage your printer.
- Use a Terminal (command line interface) like Pronterface or Octoprint modify settings and tune your printer.
- Show options when it comes to firmware one can choose to get the peak performance out of your 3d printer.

What will you need?

1. Access to a computer you have can install software on
1. Access to your 3D printer
1. A compatible USB cable to plug your printer into a computer

Presenters

David Harmon

A Senior Computer Systems Engineer of 15 years David live and breaths IT and Technology! David loves to learn about technology and new innovative applications of the technology. 3D printing caught his eye a several years which eventually lead to purchasing his "First" 3D Printer about a two years ago and he has not stopped printing since. David uses Fusion360(industry level CAD software) to create models and CURA/Prusa2.0 to slice the projects bringing them to life.

From practical 3D prints to use every day or art deco prints, he does it all.

Greg Theron along with David share their passion for this technology on a YouTube channel that they cohost.

Greg Theron

A Senior Network Analyst with Lethbridge Public School Division. He has worked in K-12 for over 2 decades. Tech is his life!

He loves researching specifications and details on everything for Their YouTube Channel 3dmakeit.ca. Although he is relatively new to 3D printing, he cannot get enough of it. He is having fun learning the in's and out's Fusion360 and tweaking slicing profiles.

Registration Notes

What is Included?

- Raspberry Pi Zero 2 W Board
- 32 GB SanDisk MicroSD Card
- 2.5A Power Supply
- Heat Sink
- Premium Black (High-Gloss) Pi Zero Case
- USB OTG Cable
- Mini HDMI Adapter



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