



Fall 2018 Programs at the Stourbridge Project

Glowforge Laser Cutting Workshops

Workshop Description: Learn beginning and intermediate skills on the Glowforge Laser cutting machine. Work on your own project hands-on with one-on-one instruction.

Cost: \$20 materials fee, registration is required:

September 11, 18 & 25, 6:00-9:00 pm:

<http://events.constantcontact.com/register/event?llr=kh4mz7kab&oeidk=a07eflt8s9x1dff37d6>

October 15, 22 & 29, 6:00-9:00 pm:

<http://events.constantcontact.com/register/event?llr=kh4mz7kab&oeidk=a07efltohjb49461a59>

Age restriction: Good for ages 13 and up. Underage people must be accompanied by an adult for the entire session.

Build Your Own Portable USB Solar Charger Workshops

Workshop Description: Learn how to build a solar powered charging station for your cell phone and other devices. The workshop gives the participant an understanding of all the components required to produce a portable USB power source and storage device. Knowledge of middle school math is required. On completion of the workshop, the student will be able to:

- Understand how to hook up a simple Solar Cell
- Understand how to construct fused Lithium Ion Battery Pack (Tesla approach)
- Understand Li-Ion Battery Ratings
- Understand concept on Maximum Power Point for Solar Cell and a module used to gain it.
- Understand Battery Ratings
- Solder electronic modules

Cost: \$20 materials fee, space is limited and registration is required:

September 10, 4:00-7:00 pm:

<http://events.constantcontact.com/register/event?llr=kh4mz7kab&oeidk=a07efltph7c2bccfedd>

September 24, 4:00-7:00 pm:

<http://events.constantcontact.com/register/event?llr=kh4mz7kab&oeidk=a07efltql7l58eb6190>

Age restriction: Good for ages twelve and up. Underage individuals must be accompanied by a parent or responsible adult who stays for the duration of the class.

3D Printing with James Harmon from Keystone College

October 3, 10, 17 & 24th

Work one-on-one with James Harmon, Director of the 3D Print Center at Keystone College for a hands-on bring in your design and he'll help you make it class in four consecutive sessions.

\$20 materials fee, registration is required:

<http://events.constantcontact.com/register/event?llr=kh4mz7kab&oeidk=a07efmoz8cyea273f43>

You must be at least eighteen years old to attend.