



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.

About Your Instructor: Lisa Glover is a designer with a background in Engineering, Architecture and Fine Art. She has run 3 successful Kickstarter campaigns, created STEAM curricula for several summer camps, and is now helping millions of kids become makers through her work at Highlights for Children. Her passion is merging technology with craft to design creations that inspire kids of all ages.

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.

About Your Instructor: Anthony Komar is an experienced Electronic, Software and Systems Engineer with experience that includes delivering training material at GE, Ford, CAT, Bombardier, and Visteon. Mr. Komar has served as leader in local Scout organization.

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.

About Your Instructor: James Harmon has been teaching 3D design for many years teaching computer aided animation and software instruction at Parson's School of Design and the New School, and Hands on Design at Lehigh University. James works with engineering students on fabrication of projects and idea assignments and is an avid follower of the "Maker Movement." James is currently Director of the 3D Print Center, at Keystone College. Where he works with many software platforms, runs the 3D Print Center of excellence.

\$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.