

A Little Less Conversation and a Little More Action Please

Spend the entire day learning or enhancing your knowledge of Rhino3D CAD (or bring your own CAD program) actually working with CNC Vinyl, Thermal Transfer/Heat Press, 3-D Printing, and other Advanced Manufacturing devices. Some experience is helpful, but no experience is required. The facilitators employ Tribal Learning in their classrooms, and so shall it be at this experience. Participants can expect micro lessons and break out conversations as per the needs of the group.

- ✓ Want to learn how to get started with CNC projects? Attend this seminar.
- ✓ Want to learn how to market this to administrators and the public? Attend this seminar.
- ✓ Want to see adults engaged in Tribal Learning? Attend this seminar.
- ✓ Want to try a machine(or multiple machines) with your design? Attend this seminar.
- ✓ Want to try a new machine or process? Attend this seminar.
- ✓ Want to share your skills and experiences through Advanced Manufacturing? Attend this seminar.

What to bring... (encouraged, but not required)

- ✓ A laptop with Rhino3D installed on it (free 90 day trial can be found at <https://www.rhino3d.com/download> or with a vector based design program you are familiar with (be prepared to share your skills and experience with that program)
- ✓ Your school logo or other image you want to create using CNC Vinyl cutter, thermal press, laser, or 3D.
- ✓ If you wish to make a thermal transfer to a t-shirt or bag, please bring that article... and leave with your creation to show off.
- ✓ Equipment and some computers with internet capability will be available if you don't have one to bring and use.
- ✓ A desire to learn, do, and share.

Instructor #1 (more like advanced learner)

Alan Cunningham is the managing director for HonkerTech Stemufacturing programs at Arlington School District in Arlington Oregon. www.honkernet.net HonkerTech is a skill based learning environment offered to students at Arlington as early as 7th grade. Through HonkerTech, students build experiences in manufacturing, entrepreneurial technical design and fabrication, and other career technical skills.

Instructor # 2:

For more than 30 years, John Niebergall has worked to bring hands-on contextualized learning experiences and 21st Century skills to students. For the last five years, John has successfully focused on teacher training in Oregon, Washington, Alaska and finally did a training in Hawaii. www.OregonFabLab.org