



The Anchorage Makerspace



Mission Statement

The Anchorage Makerspace (AMS) is a tax-exempt organization, operating as such by fiscal sponsorship by Icarus Interstellar 501(c)3 tax-exempt non-profit research organization founded in Anchorage, Alaska (EIN: 45-096612).

Within the limits of such purposes the corporation shall:

- Build and maintain spaces suitable for technical and social collaboration.
- Collaborate on all forms of technology, culture, and craft in new and interesting ways.
- Apply the results of its work to specific cultural, charitable, and scientific causes.
- Freely share its research and discoveries, using what is learned to teach others.
- Recruit and develop talented members dedicated to these purposes.
- Promote scientific, cultural, and artistic advancement

Membership, Tools and Facilities

The Anchorage Makerspace is a subscription based membership organization, offering classroom, study and fabrication space with access common use tools and equipment. Current and planned tools and equipment:

Electronics and 3D Printers:

- Makerbot 3D Printer
- ROBO 3D Printer
- Soldering Station
- Reflow Heat gun
- Stock Electronic Components and Supplies

CnC Machines:

- Shapoko 6'x6'CnC Router
- 90W Epilog Laser Cutter coming soon!
- CnC Sewing Machine coming soon!

Woodworking:

- Table Saw (Brand, Size)
- Drill Press
- Bandsaw (Wood)
- Router
- Miter Saw, Circular Saw

Metalworking:

- Welder
- Bandsaw (Metal)

Light Automotive:

- Floor jack and Stands
- Battery Charger
- Automotive wrench set

Polycarbonate:

- Vacuum Former (1' x 1' custom)

Hydroponics:

- Light/Temperature controlled planters (coming soon!)

Pottery:

- Pottery Wheel and Kiln coming soon!

Current Activities

The Anchorage Makerspace is a social hub for discovery and innovation. Participation in special interest groups is free to all members, which may also pursue prototyping of private innovations as corporate startup incubators.

■ 3D Printing

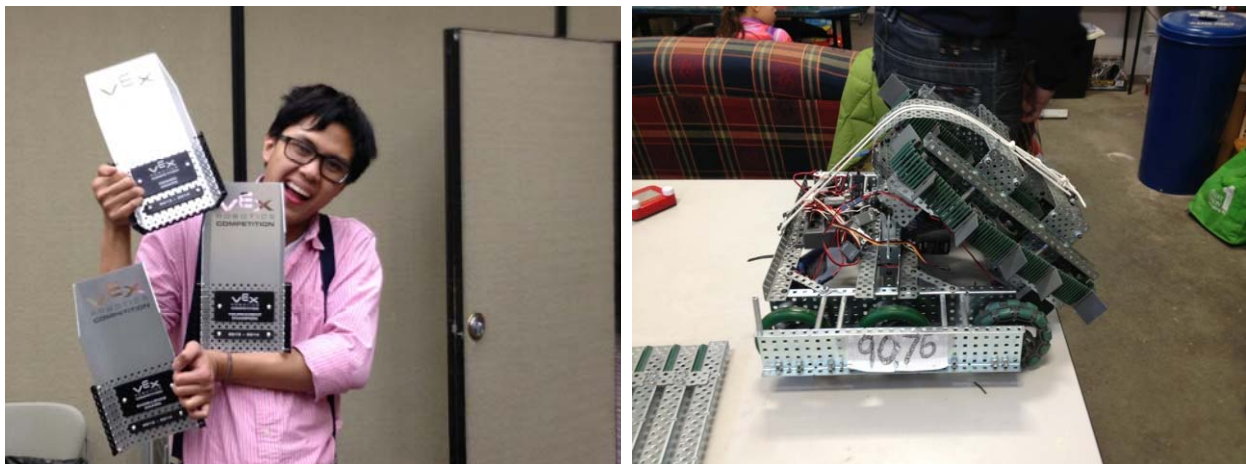
3D Printing has taken the world by storm, but access to such devices is often difficult to come by. The Anchorage Makerspace has a number of 3d printers and provides training and support for using, building and maintaining devices to the community.



Caption: Children learning about 3d printing by playing at the Makerspace stand at TEDxAnchorage.

■ Robotics

The Anchorage Makerspace is host to a number of robotics groups from K-12, high schools and Universities. The group meets regularly three times a week for instruction classes. The AMS Robotics group were 2013 Alaska state champions in the VEX Robotics competition. The team competed in the World Robotics championship arriving 28th of 86 teams worldwide.



Caption: VEX Robotics awards and "9076" the basketball playing robot which won the State Championship

■ *Arts, Crafts and Hobbyists*

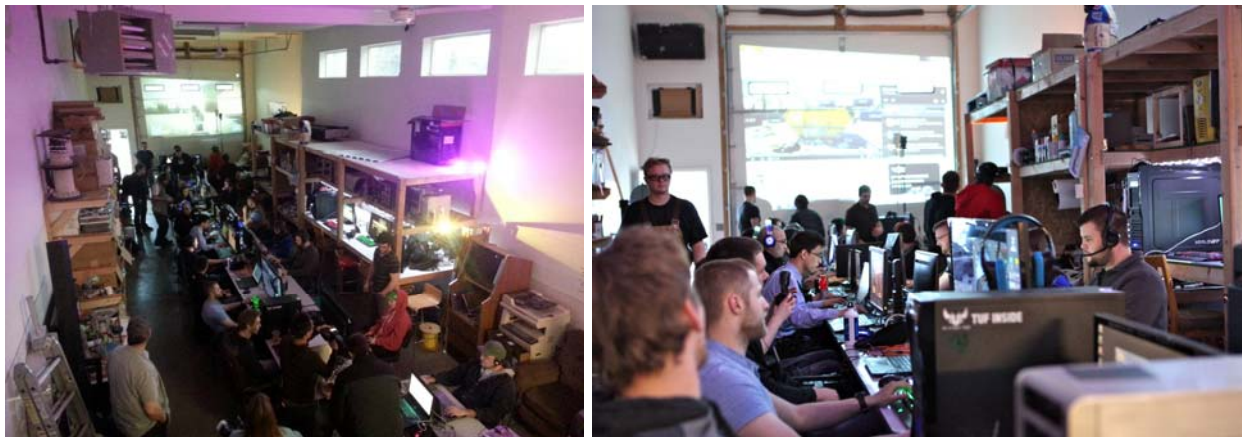
The Makerspace is central to enabling people to confront their creative urges. Sometimes a rocket shaped wine holder will appear, or others will dust off and update old arcade machines. The possibilities are endless.



Caption: Mentors instruct children on how a computer controlled sewing machine operates.

■ *Conferences and Social Gatherings*

AMS is an ideal common use space for small conferences and special gatherings. Social groups of all kinds are welcome to host their events at the space, enjoy a safe and friendly atmosphere. From K-12 classroom outings to video game LAN parties, the space is maintained to serve social and public interests and activities.



Caption: 907Gamers group hosting their first (of many) LAN party at the Anchorage Makerspace.

Future Plans

The Anchorage Makerspace is expanding its cadre of tools and equipment, and **welcomes new members and corporate sponsors** to support our ongoing mission to bring STEM education, discovery and innovation to Alaska.