



We're Falling Into A New Trimester!

Friends of TVCOG,

Fall is here, and with it comes a new trimester of classes here at TVCOG! Some of our old favorites are back for the first time since Winter of 2019, and we also have a few exciting new courses making their debut!

This fall also marks the beginning of our partnership with the Questar-III P-Tech and Early College High School (ECHS) programs located on the Hudson Valley Community College Campus. The NYS P-TECH model is a six-year program (grades 9-14) focused on developing students' knowledge and skills needed for today's high-wage, high-skill and high-demand career areas in science, technology, engineering and math (STEM). We are excited for the school's grand opening this month and for this opportunity to inspire and empower the next generation of makers and creators.

-- Cheryl Kennedy, Executive Director

News from the Makerspace



VentureB Pitch Presentations

The Center for Economic Growth's VentureB program is a quarterly program designed for entrepreneurs to gain visibility to the region's angel and institutional investors, business service providers, advisers, students, faculty, alumni and the early stage business community. Join TVCOG members Uncaged Innovations for their VentureB virtual pitch presentation on Wednesday, September 22. [Learn more here.](#)

In the Spotlight...

Fall-Winter Trimester Begins September 1

Classes have been resized to ensure proper social distancing and we have expanded our offering of one-on-one classes as well. We are also excited to announce the return of many of our crafting and jewelry making classes, which have been on hold since 2020.



Registration is open now! Class offerings include:



Quick Start Guide: Laser Cutter

The Quick Start Guide Series introduces beginners to the equipment we have in our facility. This brand new QSG is a no-experience-necessary introduction to operating our Laser Cutter. Offered: Thursdays at 5:30 pm. Other topics available. [Learn more here.](#)



Craft 101: Silver Rings

Learn how to use silver solder, how to find sizes for rings, and how to size and round rings as you create three custom silver rings to take home. All materials included. Offered: 3pm on October 11 and December 18. [Learn more here.](#)

COVID-19 Class Policies: We are committed to ensuring the safety of our members, instructors and class participants. Along with social distancing, we follow a strict cleaning and sanitizing regimen. Classes for adults may allow fully vaccinated individuals to attend the class without a mask, provided proof of vaccination; please check the event description for each individual class policy. All events in the THINQubator require masks at all times for all participants, regardless of vaccination status.

[See All Classes Open for Registration](#)

Events & Programs



Electronics Zone Orientations & Office Hours

Offered on: Tuesdays at 7pm

NEW! Zone Orientations introduce members to the safety rules and capabilities of each equipment zone. [Register here.](#)

Zone Office Hours allow members to connect with the Zone Coordinator, Amelia, to get help with anything related to the zone. Bring your questions and ask for advice on your project. [Register here.](#)



Metal Shop Office Hours

Offered on: Wednesdays at 6pm

NEW! Zone Office Hours allow members to connect with the Zone Coordinator to get help with anything related to the zone.

The Metal Shop Zone Coordinator, Alex, will be here for office hours every Wednesday at 6pm to help members get comfortable with the equipment and provide advice on projects. [Register here.](#)

*Safety Orientations and Office Hours are not open to the public. **You must be a TVCOG member to register.** These are hosted by our Volunteer Work Zone Coordinators; please pre-register.*

News from the Manufacturing Incubator

HATCHED Inventors & Entrepreneurs Meetup Back In Person

Have you attended a [HATCHED Meetup](#)? These are a highlight of the month for me, because you never know who is going to show up. Attendance averages around a dozen people, all somehow involved in product development. There's typically a few first-timers who have never previously been to the CoG. If you're looking to expand your network, this event is a great resource. Newcomers are always welcome.

-- Dan Falkenstrom, Incubator Director



Upcoming Incubator Events & Programs



Next HATCHED: Thursday September 2 @ 6:30pm

SHARING NIGHT: An informal gathering where attendees can introduce themselves and show off what they've been working on. Share your project's current status, get and give feedback, explore next steps, and connect with potential team members.

[Register Here](#)

Prototyping & Manufacturing Classes



Prototyping 101 and 102: Intro to Fusion 360

Offered on: September 25, from 10:30am- 2:30pm

This four-hour course, based on content from the Autodesk Fusion Mastery Course, will introduce you to the basics Fusion 360 environment and 3D modeling. Held by Michael Lobsinger, Senior Vice President of Business Growth Solutions at the Center for Economic Growth (CEG).

[Learn More & Register Here](#)

Follow the [Manufacturing Incubator](#) on Facebook for more updates.

News from the THINQubator

A New School Year in the THINQubator



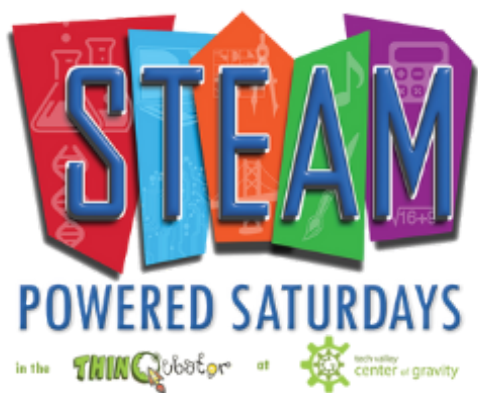
We are delighted to announce that the THINQubator is once again open for classes, field trips and workshops! As the school year begins, we look forward to welcoming schools and families back into the space for workshops.

Masks are required in the THINQubator space for everyone ages 2+. The space has been equipped with air filters and reconfigured to allow social distancing.

If you are a school, scout troop, or other youth enrichment program looking for a tour, field trip and/or group workshop, please feel free to reach out directly via email at admin@tvkog.net.

-- Elisabeth Kuchera, Events and Program Specialist

Upcoming Classes & Events



Next STEAM-Powered Saturday: DIY Mini Crossbows

Saturday, Sept. 4 | 10am-1PM FREE

Every 1st Saturday children ages 4-12 and their families are invited to join us for a fun, creative hands-on project. Brought to you through the generous support of the Albany Society of Engineers Foundation, these mind-expanding projects help children discover creative play through science, technology, engineering, the arts and mathematics.

This month's project is Mini Crossbows. Build a miniature crossbow using common crafting supplies, and learn about basic mechanics and Newtonian physics.

This is an in-person, drop-in program; pre-registration is not required. Masks are required for all attendees. Project kits are available for pickup by request for those who would prefer not to attend in-person. Email info@tvkog.net to request one.

[Visit the THINQubator Facebook page here.](#)

Updates from our Creative Community

Welcome Amelia, our new Electronics Zone Coordinator!

Zone coordinators are responsible for being a welcoming ambassador to their zone by conducting Safety Orientations, answering questions, and making connections between members. Amelia is currently a PhD student in Computer Systems Engineering at RPI. She enjoys working one-on-one with people on their circuits-related projects.

Made at the COG

What our Members are working on right now.



TVCOG Member Rich put together this design after seeing something similar online, for "those times when your dice fail you."



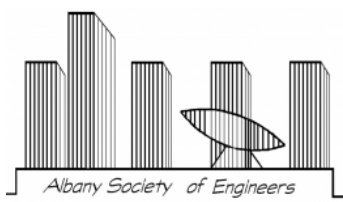
Spotted in the metal shop: ketchup. According to Volunteer Zone Coordinator Alex, it's a secret weapon against rust on old machines!



The CoffeeClip was prototyped at the CoG by member Sam Wechsler, and manufactured in the USA. Visit teaspoon.com to learn more!

Tech Valley Center of Gravity is a makerspace, prototyping center, manufacturing incubator, STEAM-education center and creative community located in the heart of downtown Troy, New York. A member-supported 501(c)(3) community resource organization, the Center of Gravity serves members from Albany, Columbia, Rensselaer, Saratoga and Schenectady counties and beyond with space, tools, technology and expertise to explore and exercise their creativity, turn ideas into objects of art and utility, and launch new ventures based on their own ingenuity.

Featured Sponsor



The Albany Society of Engineers Foundation

The Albany Society of Engineers Foundation is a non-profit organization based out of Albany, NY. They have been the primary sponsor of TVCOG's STEAM-Powered Saturday since its inception.

[Click Here to Learn About Sponsorship](#)

Join Our Creative Community

We are open and operating at standard hours. Membership hours and access types depend on the membership level you choose. Membership is open to anyone ages 18+ so [join today!](#)

TVCOG's COVID-19 Protocols

Tech Valley Center of Gravity is committed to following guidelines set forth by New York State and to ensuring the safety of our community members. Review our Covid-19 policies and procedures [here](#).

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