

TechTrek



Southwest Wisconsin
TECHNICAL COLLEGE

DAY CAMP FOR EXPLORING
TECHNICAL CAREERS



FOR STUDENTS ENTERING
GRADES 7–9

During Tech Trek, students who will be entering grades 7 through 9 in the 2022–2023 school year will participate in fun hands-on, exploratory activities related to technical careers. Camp participants will receive:

- Hands-on Activities Led by Southwest Tech Program Instructors to Increase Knowledge of Technical Careers
- Lunch Each Day
- Tech Trek 2022 T-shirt
- Lots of FUN!!!

MONDAY–THURSDAY

JULY 25–28, 2022

SOUTHWEST TECH CAMPUS, 1800 BRONSON BOULEVARD, FENNIMORE

REGISTRATION/CHECK-IN: 8:00–8:30 AM | SESSIONS: 8:30 AM–12:30 PM* | MATERIAL FEE: \$40 PER PARTICIPANT

*NitroX runs 8:30 a.m.–3:30 p.m. on Monday, Tuesday, and Wednesday. See session description for details.

SESSIONS

NitroX	Strengths Explorer
Surgical Exploration	Introduction to Early Childhood Care & Activities
Design & Print Your Own T-shirt	Red Carpet Ready!
Fire & EMS Response	At the Heart of Medical Assisting
Hands-Free Driving in Agriculture	Basic Crime Scene Processing
Unmanned Aerial Systems (UAS) in Agriculture	Microscopy: A Glimpse at a World too Small to See
Got Milk? Let's Make Dairy Products	Lineman Challenge
Gearhead's Tech Time	Computer Numerical Control
Basic Welding	



REGISTER TODAY!

Registration deadline is June 24. Material fee is non-refundable for cancellations received after July 8. Full session descriptions, days, and times are available online. Space is limited, reserve your spot today!

www.swtc.edu/techtrek

If you need an accommodation to participate, call 608.822.2632 or email disabilityservices@swtc.edu

Questions?
Contact Mary Johannesen
Career Prep & Dual Enrollment
Coordinator
608.822.2367
mjohannesen@swtc.edu

TECH TREK 2022 SESSIONS

4-DAY SESSION: MONDAY, JULY 25–THURSDAY, JULY 28



NitroX (Max. 10 participants)

Students will have an opportunity to explore, drive and race a remote control (RC) Nitro Revo 3.3 truck. Students will learn fundamentals in Nitro engine troubleshooting, RC steering and suspension and electronics. On Thursday students will compete in a course race and a 90 foot drag race for the piston cup WIN! *This session meets all four days and will have afternoon sessions on Monday, Tuesday, and Wednesday with on-site visits to local automobile dealerships to learn more about the industry and engage in additional hands-on activities related to the field. Transportation will be provided to and from the sites with a return time to campus between 3:00 – 3:30 p.m.

TWO-DAY SESSION: MONDAY, JULY 25 & TUESDAY, JULY 26

Surgical Exploration (Max. 6 participants)

Participants will explore surgery and what jobs a surgical technologist can do within the hospital setting. This is a two-day session.

MONDAY, JULY 25

Design and Print Your Own T-shirt (Max. 10 participants)

Learn how to design a t-shirt like a pro. In this session, participants will pick from our asset collection and assemble their own t-shirt design. From there, each participant will get to print their design and transfer it to a t-shirt using a heat press.

Fire & EMS Response (Max. 16 participants)

Students will observe a mock traffic crash where fire and EMS personnel will work together to rescue a victim. Students will also participate in hands on stations for both fire and EMS Skills.

Hands-Free Driving in Agriculture (Max. 14 participants)

Students will be introduced to GPS and auto-steer used in agriculture.

Unmanned Aerial Systems (UAS) in Agriculture (Max. 14 participants)

The class will learn about the types of Unmanned Aerial Systems (UAS) that are used throughout the Ag industry. Students will have an opportunity to fly a virtual demonstration UAS or drone in class.

TUESDAY, JULY 26

Got Milk? Let's Make Dairy Products (Max. 14 participants)

Turn milk into butter, ice cream, cheese and yogurt. In this session participants will be making some simple dairy products, and of course, will get to taste test their end results!

Gearhead's Tech Time (Max. 12 participants)

Participants will explore the worlds of Auto Tech, Auto Body, and Ag Power. Small engine repair, electrical circuit building, vehicle computer diagnostics, virtual paint booth, NASCAR pit stop simulator, plus more are all on the agenda for this session.

Basic Welding (Max. 10 participants)

Welding is the most common way of permanently joining metal parts and plasma cutting is used to cut metal into various shapes and detailed designs. In this session, you will use your imagination to create a project of your choice using these techniques.

StrengthsExplorer (Max. 18 participants)

We are unique because we think in certain ways, feel in certain ways, and behave in certain ways. It's just who we are, and that's good! In the StrengthsExplorer session, students will discover and talk about their greatest talents by identifying the areas or "themes" in which they are found. Learning about your talents can help you grow and build strengths, as well as help you achieve what you want to do in life.

Design and Print Your Own T-shirt (Max. 6 participants)

Learn how to design a t-shirt like a pro. In this session, participants will pick from our asset collection and assemble their own t-shirt design. From there, each participant will get to print their design and transfer it to a t-shirt using a heat press.

WEDNESDAY, JULY 27

Introduction to Early Childhood Care and Activities

(Max. 12 participants)

In this session participants will learn about child safety and care. Participants will also make age-appropriate developmental activities for use while caring for children.

Red Carpet Ready! (Max. 10 participants)

Get an inside look at Southwest Tech's cosmetology labs and Creative Elements student salon. You will experience first-hand services we offer by our cosmetology students. Red Carpet Ready includes makeup application, polished nails and a hair style of your choice. See you on the Red Carpet!!

At the Heart of Medical Assisting! (Max. 12 participants)

This session will introduce students to the amazing field of medical assisting. You will learn how to obtain vital signs on each other using a datascopes as well as listen to the pulse on our Human Patient Simulator! You will learn how "vital" Medical Assistants are in healthcare!

Basic Welding (Max. 10 participants)

Welding is the most common way of permanently joining metal parts and plasma cutting is used to cut metal into various shapes and detailed designs. In this session, you will use your imagination to create a project of your choice using these techniques.

Basic Crime Scene Processing (Max. 12 participants)

Students will learn about basic crime scene processing. This will include evidence search techniques, DNA collection, fingerprint collection and analysis techniques, latent impressions, and processing a mock crime scene.

THURSDAY, JULY 28

Microscopy: A Glimpse at a World too Small to See

(Max. 10 participants)

In this session, students will be able to view items that can't normally be seen with the naked eye. Students will stain their oral microflora and yeast and will also extract DNA from strawberries. Students will receive a recipe for homemade yogurt to take home and try on their own.

Lineman Challenge (Max. 12 participants)

Learn how to operate a boom truck with a remote and to also be a lineman. This session will allow students to build an overhead and underground electrical distribution system from the ground up. What makes it so easily understandable is that short power poles will be installed so the students will be constructing the lines at eye level. Students will work in crews, learning how teamwork is a big part of a lineman's day and how each member of the team depends on others in the crew to get the job done safely and successfully. Students will be exposed to lineman tools, gear, line trade equipment, and learn the many different types of knots linemen use on a daily basis. Students will also learn about electrical safety and have the opportunity to operate a John Deere backhoe and end loader simulator.

Gearhead's Tech Time (Max. 12 participants)

Participants will explore the worlds of Auto Tech, Auto Body, and Ag Power. Small engine repair, electrical circuit building, vehicle computer diagnostics, virtual paint booth, NASCAR pit stop simulator, plus more are all on the agenda for this session.

Basic Crime Scene Processing (Max. 12 participants)

Students will learn about basic crime scene processing. This will include evidence search techniques, DNA collection, fingerprint collection and analysis techniques, latent impressions, and processing a mock crime scene.

Computer Numerical Control (Max. 10 participants)

Learn about the precision machining industry including engine lathes, milling machines, drill presses, saws, precision grinders, and computer numerical control equipment. You will work on projects using a variety of materials including wood, metals, and plastics and learn about hand tools, precision measuring, sharpening, and blueprint reading. For your main project, you will use a CNC mill to make a hand-held marble maze.