

Geospatial Technology

PSLA at Fowler CTE Pathway

The Career Field: Geospatial Technology affects almost every aspect of life, from navigating an unfamiliar neighborhood, to mapping wildfires, to making business decisions, to tracking disease, to locating the world's most wanted terrorists. The Geospatial Technology program at the SCSD focuses on using information and technology to understand people, places, and processes of the earth. Geospatial Technologies are being used in academia, business, and government to manage large datasets of spatially-linked information, and provide users with powerful analytic tools. The primary focus of Geospatial Technology is to help make more informed decisions, within any discipline or industry.



The Program: In this program, students will learn how to use and apply Geographic Information Systems (GIS), Global Positioning Systems (GPS), remote sensing and data visualization tools. Students will learn key methodologies used by Geospatial specialists and participate in hands-on activities and lessons that use industry-standard software to create and analyze spatial analyses and display mapping data.

This program teaches students to employ Geospatial tools, and conduct complex analyses, using a wide variety of spatial statistics and data interpretation skills, through real-world, project-based learning. This course is designed to promote valuable career and college-ready practices, including analytical thinking, critical evaluation and problem solving skills.



Geospatial Technology

CTE Pathway

Career Opportunities

Career opportunities in Geospatial Technology exist in the environmental sciences, engineering, law enforcement, transportation, agriculture, forestry, public health, business, healthcare, real estate, finance, government, satellite imaging and defense industries.

- » Geospatial technician
- » Geospatial analyst
- » Geospatial software/hardware developer
- » Project manager
- » Sales manager
- » Web/application designer
- » Cartographer
- » Supervisor
- » Programmer

College Credit

- » Cayuga Community College
- » Mohawk Valley Community College
- » Rochester Institute of Technology
- » Onondaga Community College
- » SUNY Cortland

Partnerships

- » Syracuse Metropolitan Transportation Council
- » Centro
- » Syracuse-Onondaga County Planning Agency
- » Tomorrow's Neighborhoods Today (TNT)
- » GroundPoint Technologies
- » Onondaga County Department of Emergency Communications - 911 Center

Who

Any SCSD 8th grade student may apply to the Geospatial Technology CTE Pathway at PSLA at Fowler.

Cost

There is no cost to for the Geospatial Technology CTE Pathway.

Where

Students in the Geospatial Technology CTE Pathway will attend PSLA at Fowler.

Apply

During the 8th grade year, students apply online at www.scsd.us or in person at the **Student Registration Center (1005 W. Fayette St.)**.

All applicants (accompanied by a parent or guardian) must complete an in-person interview with PSLA staff.

Do you like...
Solving problems?
Learning new technology?
Working on projects?

**The Geospatial
Technology
Pathway at PSLA
at Fowler may be
for you!**