

Career Pathways Consortium News Release

Career Pathways Consortium 10 Empire State Blvd, Castleton, NY 12033 www.questar.org/summercamp

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Career Pathways Summer Camps offer tech-themed, hands-on learning opportunities for area teens

Area teens can immerse themselves in high-tech learning this summer through seven themed Career Pathways Summer Camps that offer fun-filled explorations of math and science careers in emerging technologies right here in Tech Valley.

Participating students will set aside their ordinary summer activities for 4-5 days in July or August so they can dive into learning opportunities involving robots, crime scene investigations, avatars, video-game development, alternative energy, biotechnology, nanotechnology, green technology – and much more.

All tuition costs for students enrolled in Career Pathways Summer Camps are covered by scholarships. Meals and transportation are not included. Students must be recommended by a school counselor or teacher in order to be considered for enrollment, and they must live in the region. Space is limited.

The camps are held during the day and run for either four or five days, depending on the camp. Students may choose from one of the following camps, which enroll an average of 15-24 students each. Brief details are provided below. For full details, log on to www.questar.org/summercamp.

- **Tech Valley Summer Camp**, July 6-9, SUNY East Campus, Rensselaer, and other Albany locations, for students entering 9th grade in the fall.
 - Participants will explore different stages of video game development and creation, designing a clean room for a school building, disassemble and assemble computers, and much more.
- **Build a Better Robot**, July 12-16, Union College, 807 Union St., for students entering grades 9-12 in the fall.
 - Starting with a box of parts, participants will construct, program, and demonstrate their own robots in this weeklong robotic camp. At the end of the camp, students get to keep the robots they built.
- **Crime Scene Investigation Camp**, July 19-23, SUNY Cobleskill, 70 West Main St. (Rt. 7), for students entering grades 9-12 in the fall.
 - For fans of forensic shows such as CSI, Criminal Minds or NCIS, this weeklong camp offers the perfect opportunity to learn about biotechnology and the important role it plays in solving crimes. Participants will become part of a mock team of forensic investigators who learn how to crack the case using DNA analysis, blood spatter patterns, ballistics, hair and fiber analysis, photographic integrity, computer imaging, psychological profiling, arson investigation and pathology. At the end of their investigations, students will even have the chance to present their findings in a mock courtroom.
- **Careers in Science Camp**, July 26-30, SUNY Cobleskill, 70 West Main St. (Rt. 7), for students entering grades 9-12 in the fall.
 - What does it takes to survive and thrive in the world of AVATAR? Participants in this five-day camp will explore the latest in healthcare, alternative energies, nanoscience and cosmology. They'll also discuss such abstract concepts as the implications of wormhole travel, an elevator to the moon, and downloading brain DNA into a super computer so they can live for eternity.

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- **Schenectady Women in Science Camp**, July 26-30, Schenectady County Community College, Center for Science & Technology, Schenectady, for girls entering grades 9-12 in the fall.
 - Women + science + technology = a formula that can change the world! Join this camp to receive hands-on training in the fields of biotechnology and nanotechnology, as well as meet women professionals from a range of rewarding scientific careers, and get answers on how to plan your career pathway.
- **SEMI High Tech U Camp**, August 17-20, Capital Region BOCES Career & Technical School, 1015 Watervliet-Shaker Rd., Colonie, and other locations, for students entering grades 9-11 in the fall.
 - This camp is designed for teens who can't wait to get their hands on the latest high-tech gadgets and explore solutions to technological problems. This action-packed, four-day journey into high-tech careers is cosponsored by GLOBALFOUNDRIES and the Center for Economic Growth. After beginning their day at Career & Tech's Albany campus, SEMI High Tech U campers will venture to the College of Nanoscale Science and Engineering at the University at Albany, Hudson Valley Community College's TEC-SMART campus at Luther Forest, and Schenectady County Community College. Led by high-tech professionals, students will engage in thought-provoking, hands-on activities, while working in teams to create products and solve real-world problems.
- **Camp Biotec**, August 23-26, Columbia-Greene Community College, Hudson, for students ages 14-18. Students are required to have completed their high school's living environment or biology courses.
 - Through local field trips and by working with professionals, participants will explore biotechnology and advanced instrumentation used in industry. Hands-on activities will include using gel electrophoresis to analyze muscle proteins extracted from different fish species, extracting genomic DNA from cheek cells, and performing a CSI investigation of a mysterious mock death.

Students and their parents/guardians must provide their own lunches and transportation to the camps. The Career Pathways camps are sponsored by the Career Pathways Consortium through funding provided by the federal Carl D. Perkins Career and Technical Education Improvement Act of 2006 and the New York State Education Department. To request more information about individual camps, call (518) 479-6989 or visit www.questar.org/summercamp.

The Career Pathways Consortium is a partnership between Hudson Valley Community College, Capital Region BOCES, Columbia-Greene Community College, Questar III BOCES, Washington-Saratoga-Warren-Hamilton-Essex BOCES, Schenectady County Community College, and SUNY Cobleskill. The Consortium is developing new programs in green technologies, advanced manufacturing systems, nanotechnology and bioscience at both the high school and college level. The Consortium is also working to improve the connection between other career and technical education programs taught at the high school level with degree programs offered at local colleges.

The Career Pathways Consortium, along with its members, advises students, parents, employees and the general public that it offers employment and educational opportunities without regard to gender, race, color, national origin or disability.