

Aspire P-16

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July 2008

Aspire P-16: Business and Education Working Together: Summer Programs @ Avetec



To succeed in scientific research, modeling, and simulation of complex systems like jet engines, Avetec must have a workforce highly skilled in science, technology, engineering and math (STEM). To develop that workforce locally, Avetec encourages students to get interested in STEM careers and helps educators learn new ways to teach the skills necessary for innovation in research. Throughout the year, Avetec partners with GEAR UP, Project Lead the Way, Clark State, Robotics and others, but summer is a particularly busy time. Avetec's summer programs for 2008 include:

ACES

Avetec's Career Exploration in Science (ACES) program, offered hands-on experience in science for 30 middle school students this summer. The students visited Avetec, WPAFB, the Heritage Center and local universities to learn about STEM careers and the educational requirements for those exciting opportunities. Twenty students, who completed and excelled in the 2007 ACES program, were invited back to participate in **ACES²** to advance their knowledge of STEM. They spent their summer learning how to plan and produce a solid model using 3D technology.

Gaming Academy

This summer, Avetec piloted a new Gaming Academy. This program provided five teenage students with training in the computer skills needed to produce computer games. The students learned technical skills, including Photoshop, graphic design, computer programming skills and problem solving.

Wright Scholars and WPAFB internships

Avetec and the Air Force Research Laboratory (AFRL) collaborated to offer the Wright Scholar Research Assistant Program to students who possess a keen interest in science and engineering. This summer, 14 high school and college students from Clark County worked as research assistants at Wright-Patterson Air Force Base and acquired hands-on experience in human factors science and engineering fields. Avetec funded three Clark County college students for internships at WPAFB in the high performance computing area where they were involved in computer simulations and other research.

WISE Academic Camp and Young Women in Science Camp

Avetec has also partnered with Wittenberg to co-sponsor the WISE Academic Camp and the Young Women in Science Camp. The Wise Academic Camp is a residential camp for 60 students entering grades 6-8. The Young Women in Science day-camp gives 10 middle school girls the chance to work as a team on practical and innovative science projects using the latest computer technology and lab equipment.

For more information, visit Avetec's website at www.avetec.org.

Questions/Comments? E-mail karenstiles@aspire16.com or call 937.328.7960

Feel free to forward this newsletter to others. Contact us if you would like to be added to the mailing list.

Good News



Students at Young Women in Science day-camp participate in a team-building activity using hula hoops.

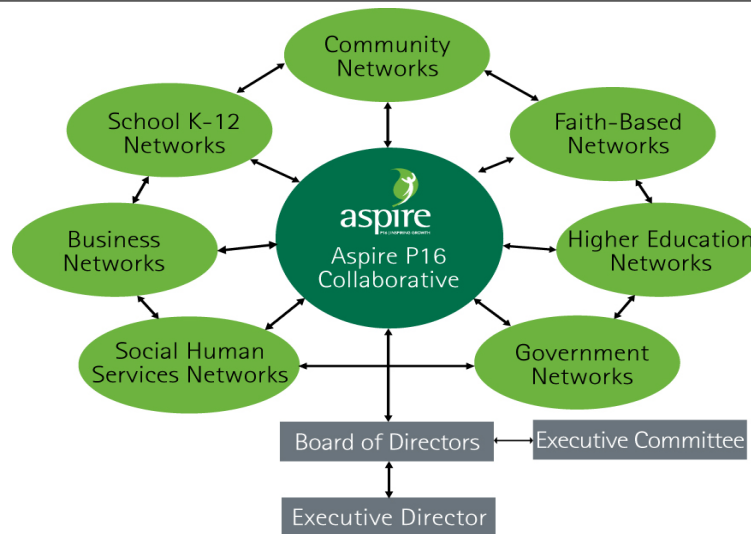


ACES students take a campus tour at Cedarville University.



Campers from WISE Academic Camp use GPS units to find their way around the Wittenberg University campus.

If you have good news, let us know:
937.328.7960



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