

“ America faces many challenges...but the enemy I fear most is complacency. We are about to be hit with the full force of global competition, if we continue to ignore the obvious task at hand while others beat us at our own game, our children and grandchildren will pay the price. We must now establish a sense of urgency.”

— Charles Best, President of the National Academy of Engineering, President Emeritus at Massachusetts Institute of Technology

Gifted Consortium Mission and Goals:

We believe gifted and talented learners need a higher level of differentiated curriculum to assist them in converting their potential into performance. The educational opportunities for the gifted and talented should include both enrichment and acceleration opportunities and experiences within heterogeneous and homogeneous groupings. Gifted and talented students should have an opportunity to interact with others of similar talents and/or ability levels in a consistent setting throughout their school years. Giftedness is exhibited in the high-level thinking, creative, and/or aesthetic responses of the learner rather than in the activity.

Lorain County Schools and educators strive to meet the unique needs of students with exceptional intellectual, academic, or creative potential and to promote an appreciation of lifelong learning. They extend and enrich the regular curriculum with emphasis being placed on the development of affective and social/behavioral skills, and the development of aesthetic skills using in-depth content.

Please register at www.loraincountyesc.org
by **May 24, 2013.**

Cost \$160 per student for ESC Non-Consortium Districts.

Cost \$140 per student for ESC Consortium Districts:

- Amherst Exempted Village Schools
- Clearview Local Schools
- Columbia Local Schools
- Firelands Local Schools
- Keystone Local Schools
- North Ridgeville City Schools
- Oberlin Local Schools
- Vermilion Local Schools
- Wellington Exempted Village Schools

Cost Includes:

- Programming from 8:30-3:30 taught by certified college staff and faculty
- Transportation on day five to on-site field experience
- Materials and supplies
- Facility and grounds including lab experiences
- On-campus lunches available for an additional fee



For questions or concerns please contact:
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Kaminski@esclc.org or
Carissa Spitzer ext. 1158, Spitzer@esclc.org



www.loraincountyesc.org

**Lorain County Community
College**
Partnering with:
**The Educational Service
Center of Lorain County**

Proudly Present

***An Academic
Enrichment Summer
Institute for Students in
Grades 6th-8th.***

**June 10-14, 2013
8:30 am-3:30 pm**



Week-long Programming Options: Forensic Science incorporating STEM

Career Planning and Planning for College: This daily program will offer various sessions and simulations including:

"4 Steps to Prepare for College Now"- Includes discussion of attainable steps students can take as early as 5th grade to plan for college. Presentations will include the importance of challenging oneself and having strong study skills. Students will learn that college is attainable and affordable.

"Game of Life" - In this simulation students are assigned a job randomly that corresponds with a number of years of post-secondary education received. End of game discussion involves the importance of education as it pertains to the quality of life and better opportunities available.

"Majority Rules" - In this game groups answer questions about college preparation and steps mixed with questions about pop culture. Prizes are awarded.

"My-Plan" - career planning: Students will take career and interest assessments on computers in a group to determine future goals and careers. This program also illustrates to students the duties associated with different careers, the course work and education needed, and the money they can earn.

Lab Experiences: Students learn hands-on approaches in the field of Forensic Science by taking part in these real-life simulations:

Criminal Justice Lab (Determining Vehicle Speeds from Skid Marks): You can calculate the speed of a vehicle by the length of the skid marks with an equation. Students will learn the theories, laws of motion, and formulas police use to determine vehicle speeds by using specific algebraic formulas. They will apply what they have learned in the classroom by doing field exercises to determine how fast a vehicle was traveling when it left skid marks at a mock accident scene.

Digital Criminals (Computer Maintenance/Networking): Spammers – hackers – embezzlers – and thieves. Believe it or not, organized crime is alive and well in our nation's computer systems! So how can you do your part to prevent computer crime? Easy. Become a data super sleuth by learning how to use the latest forensic software to track down – and eradicate – users who are illegally accessing electronic data in everything from company files to personal bank accounts. You'll be a true CSI investigator – only in the virtual world!

Murder 101 (Biotechnical Forensic Lab): Help solve a college murder mystery. Students will participate in a crime scene investigation using DNA analysis technology and other biological data. Student investigators will generate and analyze DNA data blood type and other biological data obtained from the crime scene, to solve a campus murder.

Off--Site Field Experience: Students will take part in a culminating field experience that will utilize the skills they have acquired throughout the week in a hands-on, real-world experience. On-site field experience location will be determined at a later time.

All groups will interact with peers through daily group reflections and discussions. Students will use 21st century technology skills to present their findings and experiences to other students.

Groups are monitored daily by counselors and other ESC staff.

"If America is to maintain our high standard of living, we must continue to innovate. We are competing with nations many times our size. We don't have a single brain to waste. Math and science are the engines of innovation. With these engines we can lead the world. We must demystify math and science so that students feel the joy that follows understanding."

—Dr. Michael Brown, former Nobel Prize winner for medicine and the Paul J. Thomas Professor of Molecular Genetics and Director of Jonsson Center for Molecular Genetics at the University of Texas Southwestern Medical School in Dallas.