Summer Programs for Kids
Summer Fun & Learning
at both convenient locations

Fredericksburg Area Campus in Spotsylvania
10000 Germanna Point Drive
Fredericksburg, VA  22408
Phone:  (540) 891-3012
FAX:    (540) 891-3082

Daniel Technology Center in Culpeper
18121 Technology Drive
Culpeper, VA  22701
Phone:  (540) 891-3012
FAX:    (540) 891-3082

E-mail:  gccworkforce@germanna.edu
Online:  www.germanna.edu/workforce

Fun for all ages!
Registration Form

Early registration helps ensure your seat! Registration Deadline: One Week Prior to Start of Class

Register by FAX: (540) 891-3082
Register by telephone: (540) 891-3012
Register in person: Germanna’s Fredericksburg Area Campus
Workforce & Technology Building
Office Hours: 8:30am - 4:30pm, Monday – Friday
Register by mail: Center for Workforce & Community Education
10000 Germanna Point Drive, Fredericksburg, VA 22408

Please select location _____ DTC _____ FAC
& Please select course(s) below:

_____ Junior Engineering by LEGO (1st – 3rd)
_____ Pullback Car Frenzy (2nd – 5th)
_____ 3D Printing Designing & Prototyping (7th – 12th)

_____ Dreamworld (2nd – 5th)
_____ OLLO Explorer (3rd – 5th)
_____ OLLO Inventor (7th – 12th)

_____ Farmland Fun (2nd – 5th)
_____ Collision Cars by LEGO (3rd – 5th)
_____ iPad Action Gaming (9th – 12th)

Student’s Name_________________________Social Security Number_________________________

Last name__________First name__________Mi__________

Preferred Name_________________________Birth Date_________________________*Gender ________

(If different from First Name entered above)

Parent’s Phone (H) ___________________ (W) ___________________ (Cell) ___________________

Mailing Address_________________________

City________________________County________________________State__________ZIP Code____________________

Parent’s Name (please print)________________________

Parent’s Signature_________________________Date________________________

BANK CARD INFORMATION: _____ VISA _____ MasterCard _____ American Express

Card Number_________________________ V-Code ___________ Expiration Date________________________

Card Holder’s Name_________________________Signature________________________

REFUND POLICY FOR NONCREDIT CLASSES: Once registered for a class, participants have reserved a space that obligates them to pay the advertised tuition/fees. Students may request class transfers or withdrawals seven or more calendar days prior to the start of class. No class transfers or withdrawals may be made fewer than seven days prior to the start of class. Please contact the Center between the hours of 8:30AM and 4:30 PM Monday through Friday for any registration changes.

*Information regarding gender is voluntary and is used for statistical/reporting purposes only. **The college reserves the right to cancel or modify any class if necessary.
Summer Fun and Learning...

Junior Engineering by LEGO (Rising 1st – 3rd graders)
Students will use our unique LEGO kits for a great hands-on learning and building experience. Students will creatively build and modify machines using basic engineering skills. The class is designed for rising 1st-3rd grade students and requires a minimum enrollment of 12 participants.

- July 7 - 10  Monday-Thursday  9:00AM-12:00PM  FAC  $159
- July 21 - 24  Monday-Thursday  9:00AM-12:00PM  DTC  $159

Dreamworld (Rising 2nd – 5th graders)
Architecture and elements of engineering will be the focus of this exciting program. Students will be challenged to use their imagination to explore how buildings are designed and built. This program will incorporate the S.T.E.A.M. elements of learning. Students will learn fundamental architecture principles, general application of design principles for both houses and commercial buildings. Utilizing building blocks with pre-set designs the students will be challenged to re-design their own structures using all the principles and their applications.

- June 16-20  Monday-Friday  9:00AM-12:00PM  FAC  $159

Farmland Fun (Rising 2nd – 5th graders)
Farm-themed program will include elements to help the students explore both the old and new farm techniques. This program will incorporate the S.T.E.A.M. elements in learning and utilizing 21st Century learning skills. The students will learn about various types of farm machines along with technologies that are used in construction, building and storage. Students will explore the movement of commodities and how various methods increase efficiencies, along with need for the most advanced equipment. Tools and animals are discussed and incorporated in the lesson plans to create a great time of learning and fun!

- June 23-27  Monday-Friday  9:00AM-12:00PM  DTC  $159

Pullback Car Frenzy (Rising 2nd – 5th graders)
Pullback Car Frenzy is an enrichment course designed to stimulate problem solving and creativity using new and innovative ideas. During this four-day camp, students will build up to 15 cars using a design pamphlet for each vehicle. Students become mini-engineers, challenged to design new vehicles utilizing pieces from supplied cars. Over the course of the class, students participate in experiments designed to demonstrate science and engineering concepts and laws such as gravity, potential energy and kinetic energy.

- June 16-20  Monday-Friday  1:00PM-4:00PM  FAC  $159
- June 23-27  Monday-Friday  1:00PM-4:00PM  DTC  $159

OLLO Explorer (Rising 3rd – 5th graders)
Learn the basic principles for building robots. Learn about robotics, the energy that moves a robot, and about sensors and how they work. Great hands-on learning and building experience through using basic engineering skills. This is the fundamentals for Robotics. Students will build the following: Windmill, Elephant, Howitzer, Ladybug, Puppy, Mouse and Grasshopper.

- July 28-31  Monday-Thursday  9:00AM-12:00PM  DTC  $159
- Aug 11-14  Monday-Thursday  9:00AM-12:00PM  FAC  $159
Collision Cars by LEGO (Rising 3rd – 5th graders)

Students will use our unique LEGO kits to build a variety of battling machines. This is a class of exploration, problem solving, and risk-taking with a goal of learning and experimenting with how machines work and compete. Students will learn a variety of concepts throughout this class, including basic engineering principles, gearing and gear ratios, electric motors and energy, problem solving, and communication skills. The class is designed for rising 4th-8th grade students and requires a minimum enrollment of 12 participants.

July 7-10  Monday-Thursday  1:00PM-4:00PM  FAC  $159
July 21-24  Monday-Thursday  1:00PM-4:00PM  DTC  $159

3-D Printer Designing & Prototyping (Rising 7th – 12th graders)

This exciting class will go through designing testing and decision processes in the engineering processes. Students will learn about gear ratios, electrical concepts, acceleration, slopes, friction, and mass versus weight/speed and velocity-mass distribution. Students will build tests and compete as a team. You will get to take the finished cars home!

July 28-31  Monday-Thursday  9:00AM-12:00PM  DTC  $159
August 11-14  Monday-Thursday  1:00PM-4:00PM  FAC  $159

OLLO Inventor (Rising 7th – 12th graders)

Students will use our OLLO kits to learn about Robotics with controllers and accessory devices, learning to program, use sensors, and build crossing gates and bumper cars. Learn about how sound sensors and use them to build a guitar and singing bird. Learn the basics of simple machines to build a tower crane, combat car, battle a robot knight, bug and race car.

July 28-31  Monday-Thursday  1:00PM-5:00PM  DTC  $159
August 11-14  Monday-Thursday  1:00PM-5:00PM  FAC  $159

iPad Action Gaming for Teens (Rising 9th-12th Graders)

This course is designed for rising 9th through 12th grade students. The Apple iPad has taken the gaming world by storm and has created several new careers in App Development. Millions of teens enjoy playing games on-the-go using the popular mobile device. And in addition to playing games designed by others, more and more teens are becoming interested in creating their own games. With this course, anyone can learn how to create action-packed games for the iPad and share them with friends and family via social networking. The simple, straightforward game-design lessons in this book use Unity iOS and Wings3D to teach game-making skills and put teens on the road to creating fun, high-action games for the iPad.

July 7-10  Monday-Thursday  9:00AM-12:00PM  FAC  $139
July 21-24  Monday-Thursday  9:00AM-12:00PM  DTC  $139

For more information or to register, please contact the Center for Workforce at (540)891-3012