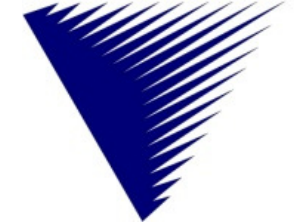




VIRGINIA
SPACE GRANT
CONSORTIUM



Canon

GAITE Engineering Technology Exploratory Saturday Series *Designing the Future*



NORTHROP GRUMMAN



THE APPRENTICE SCHOOL

Craftsmanship Scholarship Leadership



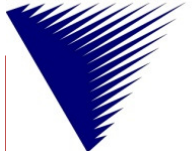
GOVERNOR'S ACADEMY
Innovation, Technology and Engineering

Virginia Space Grant Consortium (VSGC)

- NASA-sponsored consortium providing aerospace-related and high technology educational and research efforts statewide
- Focus on Science, Technology, Engineering, and Math (STEM) education and research
 - Scholarships/fellowships, internships, research, workforce development
 - Precollege teacher professional development
- Serve as umbrella organization for partnerships
- Part of National Space Grant Network of 52 (one in each state)

<http://www.vsgc.odu.edu>

VIRGINIA
SPACE GRANT
CONSORTIUM



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering

VSGC Member Institutions

College of William and Mary

Hampton University

Old Dominion University

University of Virginia

Virginia Polytechnic Institute and State University

NASA Langley Research Center

NASA Goddard Space Flight Center's Wallops Flight Facility

State Council of Higher Education for Virginia

Virginia Community College System

Virginia Department of Education

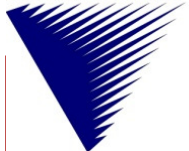
Mathematics and Science Center

Science Museum of Virginia

Virginia Air and Space Center

Virginia's Center for Innovative Technology

VIRGINIA
SPACE GRANT
CONSORTIUM



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering

GAITE Enrichment Activities

- *Engineering Technology Exploratory Saturdays (grades 7-8), fall 2008 to spring 2009*
- *Summer Camp (grades 9-10), summer 2009*

Goals

1. Expose students (and parents) to STEM-related skills and knowledge related to careers in *mechanical engineering technology and electrical engineering technology*.
2. Assist students (and parents) in understanding academic pathways needed to pursue these careers, and the demand for jobs.
3. Technologists as role models



Engineering Technology Exploratory Saturday Themes

Designing the Future

Mechanical engineering technology including materials science, materials technology, smart materials, composite materials, modeling and simulation, computer-aided drafting (CAD)

**Hosted by Thomas Nelson Community
College (Nov 15 and March 28)**



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering

Engineering Technology Exploratory Saturday Themes

Connecting the Future

Electrical engineering technology including fiber optics, electronics, circuits, sensors, lasers, remote sensing, power, wiring, and troubleshooting

**Hosted by Canon Virginia (Jan 31
and April 25)**



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering

Engineering Technology Exploratory Saturday Themes

Automating the Future

Applications of mechanical and electronic engineering technology including robotics, programming, algorithms, robotic applications, robotic competitions and demonstrations.

Hosted by NASA Langley

Research Center (Feb 14 and May 16)



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering