






**GAITE Engineering Technology Exploratory Saturday**  
**Connecting the Future - January 31, 2009**  
**Canon Virginia, Inc.**  
**12000 Canon Blvd. Newport News, VA 23606**

8:30-9:00 a.m.	Registration in Canon's Cafeteria Center		
9:00-9:05 a.m.	Welcome	Pamela M. Nuby, Human Resources Administrator, Canon Virginia	
9:05-9:10 a.m.	GAITE Overview	Vikki Wismer, Director, GAITE, New Horizons Regional Education Centers	
9:10-9:15 a.m.	Program Overview	Chris Carter, Assistant Director, Virginia Space Grant Consortium	
<b>Sessions for Students in Cafeteria</b>			
<b>Breakout Sessions</b>	<b>Area 1</b>	<b>Area 2</b>	<b>Area 3</b>
Session 1 9:30-10:30 a.m.	<b>Integration of Automation onto the Manufacturing Floor</b> Doug Moog, Sr. Engineer, Randy Stewart, TPM/CSR Sr. Manager Using high speed robotic automation, Canon Virginia is able to replace repetitive manual labor and simple decision making to improve quality and production.	<b>Electronic Connections to the Future</b> Al Melton - Manager Product Training Northrop Grumman Shipbuilding Alex Batista, Pat Nicholson, and Miche Hampton - Apprentices NGS; Sally Lovell, Teacher, Poquoson Middle School The Northrop Grumman Newport News Apprentice School Team will lead GAITE students in the use of Snap Circuit Electronic Kits	<b>How Lasers, Optics and Electronics are used in Remote Sensing</b> Anna Noe and Carl Mills, NASA Langley; Lauren Mills, Walsingham Academy Student; Matthew Hayes, Co-op Student The NASA LaRC team will present connecting the future through the development of remote sensing instrumentation.
Session 2 10:35-11:35 a.m.	<b>How Lasers, Optics and Electronics are used in Remote Sensing</b>	<b>Integration of Automation onto the Manufacturing Floor</b>	<b>Electronic Connections to the Future</b>
Session 3 11:40-12:40 p.m.	<b>Electronic Connections to the Future</b>	<b>How Lasers, Optics and Electronics are used in Remote Sensing</b>	<b>Integration of Automation onto the Manufacturing Floor</b>
12:45 - 1:30 p.m.	Everyone return to the cafeteria Lunch - Wrap Up - Evaluation Forms - Q & A		
	 <b>GOVERNOR'S ACADEMY</b> Innovation, Technology and Engineering		

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<b>Sessions for Parents/Guardians in Canon Conference Room</b>		
Session 1 9:30-10:30 a.m.	<b>The STEM Concept: Engineering Technology and Manufacturing</b> Michelle Manfred, Career Services and Job Placement Coordinator, Thomas Nelson Workforce Development	
10:15-10:30 a.m.	Question and Answer Period / Break	
Session 2 10:30-11:15 a.m.	<b>Career Pathways:, Exploration, and Planning</b> Mary Dunnigan, Workforce Development Manager, Peninsula Council for Workforce Development	
11:15-11:30 a.m.	Question and Answer Period / Break	
Session 3 11:30-12:15 p.m.	<b>The Role of a Career Coach</b> Susan Generazio, Career Coach, Thomas Nelson College and Vikki Wismer, Director, GAITE, New Horizons Regional Education Centers	
12:15-12:30 p.m.	Question and Answer Period	
12:45 – 1:30 p.m.	Lunch, Wrap Up, Evaluation Forms	
 <b>Canon</b> CANON VIRGINIA, INC.	 <b>GAITE</b> <b>GOVERNOR'S ACADEMY</b> Innovation, Technology and Engineering	<b>Virginia</b> Space Grant Consortium 