

GAITE Engineering Technology Exploratory Saturday
Designing the Future
November 15, 2008
Thomas Nelson Community College (TNCC)
99 Thomas Nelson Drive, Hampton, VA

8:30-9:00 a.m.	Registration in Moore Hall, Espada Conference Center	
9:00-9:05 a.m.	Welcome	Patricia Taylor, Dean, Mathematics, Engineering, and Technologies, TNCC
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
9:15-9:20 a.m.	Breakout Session Logistics	Nick Koltun, Educational Programs Specialist, Virginia Space Grant Consortium

Sessions for Students in Hastings Hall

Breakout Sessions	Room 313	Room 418	Room 404
Session 1 9:30-10:30 a.m.	Introduction to Smart Materials for Designing the Future Nancy Holloway, Section Head, Advanced Fabrication Processes Section, NASA Langley Research Center Chris Moss, Cory Trainor, NASA Co-op Mechanical Engineering Technicians	CAD Applications, Digital and Rapid Prototyping Thomas Pringle, Department Head, Computer-Aided Drafting and Design, TNCC Nina Mun, Department Head, Engineering, TNCC Michael Uenking, Associate Professor of Mechanical Engineering Technology, TNCC	Modeling and Simulation Thermodynamics Activity: Exploring Your Surroundings Daron Moore, Technology Enhanced Learning in Science Teacher, I.C. Norcum High School Kent Collins, Teacher, Norview High School
Session 2 10:35-11:35 a.m.	Introduction to Smart Materials for Designing the Future	CAD Applications, Digital and Rapid Prototyping	Modeling and Simulation Thermodynamics Activity: Exploring Your Surroundings
Session 3 11:40-12:40 p.m.	Introduction to Smart Materials for Designing the Future	CAD Applications, Digital and Rapid Prototyping	Modeling and Simulation Thermodynamics Activity: Exploring Your Surroundings
12:45 – 1:30 p.m.	Everyone return to Moore Hall, Espada Conference Center Lunch - Wrap Up – Evaluation Forms – Q & A		



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Sessions for Parents/Guardians in Moore Hall, Espada Conference Center

Session 1 9:30-10:15 a.m.	The STEM Concept and the Workforce Pipeline – Engineering vs. Engineering Technology Gregory Dudley, Engineer, Northrop Grumman Corp. and CHROME Chair, Board of Directors	
10:15-10:30 a.m.	Question and Answer Period / Break	
Session 2 10:30-11:15 a.m.	The Youth Career Cafe' – Career Pathways, Exploration, and Planning 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.	College Decisions: How to Get There, How to Choose the Right Classes, and How to Pay for It Crystal Taylor, Director of Outreach and Recruitment, TNCC	
12:15-12:30 p.m.	Question and Answer Period	
12:45 – 1:30 p.m.	Lunch, Wrap Up, Evaluation Forms	

