Richmond STEM Teacher Roundtable

IRENE MEGLATHERY
DUPONT
GLOBAL QUALITY LEAD – KEVLAR® CONTRACT MANUFACTURING

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DuPont is a Science Company

We work collaboratively to find sustainable, innovative, market-driven solutions to solve some of the world’s biggest challenges, making lives better, safer, and healthier for people everywhere.
Our Evolution Over Two Centuries

EXPLOSIVES
- 1802 – COMPANY FOUNDED
- 1857 – FIRST PRODUCT PATENT SODA POWDER
- 1880 – DYNAMITE
- 1903 – EXPERIMENTAL STATION FOUNDED
- 1915 – PYRALIN PLASTICS
- 1917 – DYES
- 1923 – DUCO® LACQUER

CHEMICALS & MATERIALS
- 1804 – FIRST SALE OF BLACK POWDER
- 1880 – Cellophane
- 1900 – Orlon®
- 1903 – Experimental Station Founded
- 1915 – Pyralin Plastics
- 1917 – Dyes
- 1923 – Duco® Lacquer
- 1923 – Cellophane
- 1924 – Rayon
- 1930 – Neoprene
- 1935 – Nylon
- 1936 – Lucite®
- 1938 – Teflon®
- 1941 – Orlon®
- 1941 – Orlon®
- 1952 – Mylar®
- 1953 – Dacron®
- 1956 – Delrin®
- 1966 – Tyvek®
- 1968 – Riston®
- 1972 – Cromalin®
- 1976 – Silverstone®
- 1999 – Pioneer Hi-Bred International
- 2000 – Sorona®
- 2001 – Sorona®
- 2003 – Solae
- 2007 – Bio-PDO® Plant
- 2009 – Rynaxypyr®
- 2010 – Zytel® Plus
- 2011 – Optimum® Acremax®
- 2011 – Danisco®
- 2012 – Plenish®
- 2013 – Howaru® Protect
- 2014 – Lumigen®
- 2015 – Cellulosic Ethanol
- 2016 – Zorvec™
Our Businesses and Core Markets

Agriculture
Production agriculture

Performance Materials
Aerospace | Automotive | Packaging | Electrical/Electronics | Construction | Industrial | Consumer

Electronics & Communications
Aerospace | Automotive | Consumer electronics | Displays | Flexographic printing | Inkjet printing | Military | Photovoltaics | Semiconductor fabrication

Nutrition & Health
Food and beverage | Dietary supplements | Child nutrition | Sports nutrition

Industrial Biosciences
Animal nutrition | Detergents | Biofuels production | Grain processing | Food and beverage | Oil and Gas/Energy | Carpet and apparel fiber

Protection Solutions
Construction | Industrial | Automotive | Consumer | Aerospace and aircraft | Military and law enforcement | Oil and Gas/Energy
Threats are all around us.

They may be:
• Physical
• Chemical
• Biological
• Electrical
• Thermal
• Environmental or man-made

They can effect us, those we care for, and the things we count on such as our homes, food and medicine, transportation, utilities, natural resources and our environment.
Common Threats Addressed

• Cut Protection
• Ballistic Protection
• Tires & Composites
• Aerospace
• Electrical Insulation
• Protective Apparel
• Protective Apparel
• Building Envelope
• Medical Packaging
• Work Surfaces at Home
• Commercial and Public Spaces
• Exterior Cladding & Facades
Programs DuPont sponsors

- Communities in Schools (Richmond and Chesterfield County)
- Girls in Science (Science Museum of Virginia)
- Virginia FIRST Robotics
- Young Professor Grant Nominations
- Virginia Outstanding Scientist of the Year
- Math Science Innovation Center
- National Science Teachers Conference
- Junior Achievement
My Background

- Born in Hong Kong
- Went to High School in Winston-Salem, NC
- BSs in Statistics and Chemical Engineering from NC State University
- 16 years with DuPont
- Automation Engineer
- Process / Scale-up Engineer
- Quality Assurance Engineer
Qualities Companies look for

- Like to problem solve
- Think independently
- Proactive
- Work well on teams
- Are responsible
- Are happy to learn new things
- Good communication skills
THANK YOU