



Career Day

U.S. Environmental Protection Agency

East Cary
Magnet Middle School

12Apr2024

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General Information

- Executive Branch Regulatory Agency tasked with Protecting Human Health and the Environment
- Created in 1970 by President Richard Nixon
- 10 Regions as well as multiple Program Offices and Research Centers
- Current EPA Administrator is Michael Regan
 - A NC native and graduate of NC A&T University
 - Former Secretary of NC Department of Environmental Quality



What does the U.S. EPA do?

- Risk assessments and regulations for chemicals
 - Products / by-products
 - Pollutants
- Climate science
- Provides funding for
 - Research
 - Climate resiliency
 - Zero Emission School Buses
 - etc
- Studies and regulates air and water quality
 - Water
 - Chemical and biological contaminants
 - Air
 - Industrial pollutants
 - Greenhouse gasses
 - Wildfire smoke
- Provides support and resources for disaster recovery and pollution remediation

U.S. EPA Research Triangle Park

- EPA's largest facility: 1,200,000 sq ft campus on 10 acres (PNC Arena is 700,000 sq ft)
 - Offices
 - Laboratories
 - Computer & Conference Spaces
- Over 2,000 professionals spanning multiple fields
- State-of-the-art spaces providing safe, healthy and environmentally-sustainable business operations.
- Research programs at EPA-RTP Include:
 - Center for Computation Toxicology and Exposure
 - Center for Public Health and Environmental Assessment
 - Center for Environmental Measurement and Modeling
 - Center for Environmental Solutions and Emergency Response



The EPA-RTP

Community Engagement & STEM Outreach Group

- Hosts field trips at EPA-RTP Campus
- Participates in activities at schools
- Offers free resources for educators
 - Generate: The Game of Energy Choices
 - EnviroAtlas: Empowering Tomorrow's Decision Makers
 - Mobility: The Game of Transportation Choices
 - Build Your Own Particle Sensor



CE STEM

EDUCATOR RESOURCES

Developed by EPA scientists and available FREE online!

Under the leadership of N.C. native, Administrator Michael Regan, U.S. EPA protects human health and the environment.

www.epa.gov

EPA-RTP's Community Engagement & STEM Education Program (CE-STEM) in N.C. provides:

- Free Online Lesson Plans Developed by EPA-RTP researchers;
- Speakers for K-12 Schools; colleges/universities, and community groups in central N.C.;
- Environmental programs and educator trainings.

Questions? Email us at: Witter.Kelly@epa.gov or Blackburn.Amandajean@epa.gov

EPA-RTP SPEAKERS BUREAU

A FREE resource for educators in central N.C. to request interactive activities, campus field trips, presentations, science competition judges, and EPA booths at school and community events.

www.epa.gov/rtp-speakers-bureau

Check out EPA's Office of Environmental Education for additional educator resources, grants, and awards. www.epa.gov/education

Check out EPA's My Electric Ride: An EV Transportation Video Challenge. www.epa.gov/greenvehicles/ev-video-challenge

Thanks for your attention!

Questions or Comments?

Let's do some Air Chemistry with Legos!