

The National ATE Center for Nanotechnology Applications and Career Knowledge (NACK)

Webinar Handout

Fundamentals of Metrology and Characterization For Nanotechnology

September 27, 2013



Presenter:



Dr. Diane Hickey-Davis, Ph.D.,
Industry NanoScience Instruments



dhickey@nanoscience.com

Webinar Objectives:

1. How do we see what we can't see?
2. Review five **common** nanotech instruments
3. Each will cover:
 - **What** it does
 - **How** it works
 - Where it's used in **Industry**
 - What **subjects** you can teach with it
 - What **skills** your students can learn from it

Nanotechnology in Social Media:

Follow Lisa Del Muro and the Wheeling High School Nanolab [@lisa_delmuro](https://twitter.com/lisa_delmuro)

Follow TeachNano [@TeachNano](https://twitter.com/TeachNano)



NanoScience Instruments: <http://www.youtube.com/channel/UCtbT4kBWXYLJyKCNSm43YIQ>

Engineering Guy: <http://www.youtube.com/user/engineerguyvideo>



Curriculum

Wheeling High School is sharing its entire curriculum online – <https://sites.google.com/a/d214.org/whs-nanotechnology/home>

Nanoscience Instruments – Educational Resources (free labs for the SEM and AFM) –

<http://www.nanoscience.com/applications/education/multimedia/>

Great websites

EngineerGuy.com – <http://www.engineerguy.com/>

The Scale of Things by the DOE – <http://science.energy.gov/bes/news-and-resources/scale-of-things-chart/>