

# Cyberlearning: Materials iLab



***11,586 users worldwide have run nearly 16,643 experiments to date***

- iLabs are online experimental tools that allow pre-college and college students to access scientific instruments housed at universities to conduct experiments via the internet.
- Use of iLabs has been shown to improve student inquiry skills and experimental design skills resulting in more authentic scientific investigations
- A curriculum for middle school students is being finalized using samples provided by [Northwestern University/Art Institute of Chicago Center for Scientific Studies in the Arts \(NU-ACCESS\)](#)

**NU-MRSEC collaborates with the Office of STEM Educational Partnership to develop a materials-themed iLab** connected to the X-ray powder diffractometer located in the [NU-MRSEC X-Ray Diffraction Facility](#)