

## National Resource Center for Materials Technology Education (MatEdU; ATE #1400619)

- MatEdU Website offers over 600 Instructional Resources
- 83 original modules available: [www.materialseducation.org](http://www.materialseducation.org)
- Materials Science Educational Handbook – 3 chapters are complete: (1) Materials Properties and Uses; (2) Metals and Alloys; (3) Composite Materials
- Core Competencies includes core competencies plus expanded competencies in: Materials Science Technician; Marine Technician; Nanotechnology; Additive Manufacturing; Corrosion; Guitar Building Institute; and Military Applications/Technicians



## National Resource Center for Materials Technology Education (MatEdU; ATE #1400619)

- Produce annual Materials in STEM Workshop
- STEM Guitar Building Project - Continued partnership with Sinclair Community College, Purdue University and Central Washington University
- Manufacturing Institutes USA: America Makes; Lightweight Innovations for Tomorrow (LIFT); Power America; Institute of Advanced Composites Manufacturing Innovation (IACMI). Partnership with LIFT has produced 2,450 vetted



# Technician Education in Additive Manufacturing & Materials (TEAMM; ATE #1501251) ATE Coordination Network

## Building Strategic Partnerships:

- Educators – teaching the technology; developing programs
- Industry members – developers, end users, innovators, influencers
- Government – professional organizations, standards developers
- NSF ATE – sharing information across grants to optimize resources



# Technician Education in Additive Manufacturing & Materials (TEAMM; ATE #1501251) ATE Coordination Network

## Regular communication:

- Bi-monthly AM news articles to network members
- Stratasys Extreme Competition participation
- Incorporation into regular AM activity planning with SME, LIFT, ASTM, Tooling U
- Core competencies used by network members

