

**Peer Reviewed Modules by Dr. Johnson, P.E. for MatEdU, National Science Foundation  
Advanced Technology Education Center in Materials Technology**

[www.materialseducation.org](http://www.materialseducation.org)



Learn more about Material Science! The National Resource Center for Materials Technology Education (MatEdU) is a NSF funded center housed at Edmonds Community College.

MatEdU is developing a clearinghouse of teaching materials including labs, hands-on demonstrations, modules and papers, which can easily be integrated into a variety of courses, class-room settings, and industry.

The MatEdU collection is expanding rapidly with peer reviewed, classroom tested educational materials.

Dr. Johnson has been the CWU Technical Partner for MatEdU since 2006. He has supported their annual conferences (M-STEM) and has recently written two chapters in a new 'materials digital handbook' to be published soon. In tandem with that effort, he has created a number of 'education modules' that are published through MatEdU.

A list of Dr. Johnson's six education modules follows:

- "Ceramic Properties Volume Effect via Flexure Test"
- "Designing Foods with Sugar"
- "Fiber Optics"
- "Glass Conductivity"
- "Modifying Steel Properties"
- "Smart Materials"

**Citation:** Please see NSF ATE MatEdU Education Modules at <http://materialseducation.org/educators/matedu-modules/#sort=title> ) for details.



This work is part of a larger project funded by the Advanced Technological Education Program of the National Science Foundation, DUE #1400619