

# STEM RESOURCES

## STEM INSTRUCTIONAL RESOURCES

[STEM Teaching Tools](#)

[STEMAZing Project](#)

[STEM Literacy](#)

[Scientific and Engineering Habits of Mind](#)

[PBS Kids Design Squad](#)

[Problem Based Learning- Clearinghouse of Problems](#)

[Using Data in the Classroom](#)

## AZ STANDARDS SUPPORTING STEM

[Science Standards](#)

[Math Standards](#)

[Educational Technology Standards](#)

[Computer Science Standards](#)

## STEM PROFESSIONAL ORGANIZATIONS

[Arizona Section of American Association of Physics Teachers](#)

[American Association of Physics Teachers](#)

[American Institute of Physics- Education Division](#)

[American Physical Society Forum on Education](#)

[American Society for Engineering Education](#)

## STEM EDUCATION RESEARCH

[Identifying and Supporting Productive STEM Programs in Out-of-School Settings](#) (2015)

[STEM Learning Is Everywhere:](#) Summary of a Convocation on Building Learning Systems (2014)

[STEM Integration in K-12 Education:](#) Status, Prospects, and an Agenda for Research (2014)

[Exploring Opportunities for STEM Teacher Leadership:](#) Summary of a Convocation (2014)

[Monitoring Progress Toward Successful K-12 STEM Education:](#) A Nation Advancing? (2013)

[Infusing Real World Experiences into Engineering Education](#) (2012)

[Report of a Workshop on the Pedagogical Aspects of Computational Thinking](#) (2011)

[Successful STEM Education: A Workshop Summary](#) (2011)

[Successful K-12 STEM Education: Identifying Effective Approaches in Science, Technology, Engineering, and Mathematics](#) (2011)

[Monitoring Progress Toward Successful K-12 STEM Education](#) (2013)

[Standards for K-12 Engineering Education?](#) (2010)

## ADDITIONAL STEM RESOURCES

[STEM Endorsement – Micro Certificate](#)

[STEM by Choice Universal Guide](#)