

Challenges and Opportunities in Physics Education

Student learning is improved through peer collaboration and by using evidence-based techniques.

Discipline-Based Education Research (NRC, 2012); Adapting to a Changing World (NRC, 2013); Reaching Students (NRC, 2015)

Participation in physics has not grown with STEM.

Mulvey and Nicholson (AIP, 2012); Adapting to a Changing World (NRC, 2013)

Women and students of color are significantly underrepresented in physics.

Nicholson and Mulvey (AIP, 2011); White and Chu (AIP, 2014)

Physics is changing; new tools, new techniques

Kozminski et al (AAPT, 2014); Behringer et al (AAPT, 2016); Caballero et al (AAPT, 2020)

Challenges and Opportunities in Physics Education

Student learning is improved through peer collaboration and by using evidence-based techniques.

Discipline-Based Education Research (NRC, 2012); Adapting to a Changing World (NRC, 2013); Reaching Students (NRC, 2015)

Participation in physics has not grown with STEM.

Mulvey and Nicholson (AIP, 2012); Adapting to a Changing World (NRC, 2013)

Women and students of color are significantly underrepresented in physics.

Nicholson and Mulvey (AIP, 2011); White and Chu (AIP, 2014)

Physics is changing; new tools, new techniques

Kozminski et al (AAPT, 2014); Behringer et al (AAPT, 2016); Caballero et al (AAPT, 2020)

