



Pre-College Engineering Education

A division of the American Society for Engineering Education

[About](#) [News](#) [Get Involved](#) [Resources](#) [Grants](#) [Events](#) [Order](#) [Contact](#)

May 26, 2021 Newsletter

Thoughts from the Chair

There are a lot of exciting events happening. Please read the newsletter. Follow the division, @PCEE_Div

ASEE Annual Conference PCEE Division events:

Division Social with MIND and WIED – Tue. July 27, 2021, 7:00 PM to 9:00 PM (PT)

PCEE Division Business Meeting – Wed. July 28, 2021, 3:30 PM to 5:00 PM (PT)

Division Distinguished Speaker; Dr. Tull – Thu. July 29, 2021, 1:45 PM to 3:15 PM (PT)

Bradley Bowen, PCEE Division Chair (bowenb@vt.edu)

2021 PCEE Virtual Conference Registration is OPEN!

The 2021 PCEE Conference will be virtual on Wednesday and Thursday, June 23 and 24, 2021, from 9:00 am – 12:45 pm (PST) each day. Registration information and daily agendas can be found at http://precollege.asee.org/pcee_conference/. If you are willing to be a virtual session host please contact Andrea Burrows at andrea.c.burrows@gmail.com.

Implement Engineering! Teacher Grants

The PCEE Division is thrilled to continue our grant program for P12 teachers who seek support for the implementation of an engineering project in their classrooms. The awarded funds will support the purchase of classroom materials and/or teacher professional learning expenses. There are two possible grant amounts, depending on project type:

Single: For a project that will impact a single teacher and her/his classroom(s). Amount \$500.

Team: For a project that will impact two or more teachers and their classrooms. Teachers must be within the same school. Amount \$800.

Timeline:

- Applications are due by July 9, 2021
- Awardees will be notified by August 9, 2021
- Projects must be implemented in the 2021-2022 academic year

Details and proposal submission information can be found [here](#)!

ASEE P-12 Educator Series – Wednesday, May 26, 2021, 6:30 pm EDT

Topic: Samueli Academy – Increasing DEI in Engineering through Pre-College Programs

See the event flyer [here](#); Registration is free but required: <https://bit.ly/3y89l8P>

Participants will:

- Learn about inclusive lesson plan development.
- Hear from students on the impact of this approach.
- Learn strategies that can be incorporated into their own school.

For more information about Samueli Academy <https://samueliacademy.org/>

Sign Up to Host an ASEE P12 Summer Camp

Based on the feedback from kids and parents, we would like to offer summer engineering experiences again! Please consider offering a short online summer camp to elementary, middle, or high school students during the weeks of June 14-July 23. It's easy and takes just *4 hours* of your time teaching.

For those of you who led camps last summer –thank you!- and please consider offering the same or a new one this summer! All of the details are described in [this document](#). Please use this [form](#) to submit your camp proposals as soon as possible. The first set of camps will be set up utilizing proposals submitted by May 28, but additional camps may be added until June 5. Please share this form with other qualified lead instructors who may be interested!

ASEE Presents: Master Class on Effective Teaching

June 21, 22, and 23, 2021 from 12:00 – 4:00 PM, ET all days

Are you a K-12 or university-level STEM instructor who wishes to develop more effective STEM teaching and instruction practices? If so, ASEE Presents: Master Class on Effective Teaching is for you! Learn more about ASEE's Master Class on Effective Teaching [here](#)! The class is a three-part, instructor-led online program that will establish STEM instruction based on materials from the forthcoming book *Uncommon Sense Teaching: Practical Insights in Brain Science to Help Students Learn*, now available for pre-order via Penguin Random House. The Master Class on Effective Teaching, led by Barbara Oakley, co-teacher of Coursera–UC San Diego's Learning How to Learn, with contributions from Beth Rogowsky, and Krzysztof (Chris) Kobus, will provide K-12 and university-level STEM instructors with a common framework, terminology, and practical exercises to develop their teaching in STEM on a soundly neuroscientific basis. Registration is \$149 for ASEE Professional Members, \$49 for ASEE P-12 and Student Members, and \$199 for non-members. Don't miss out on this opportunity to develop more effective STEM teaching and instruction practices based on neuroscientific principles.

Register [here](#)!

First-Year Engineering Experience Conference: CALL FOR PARTICIPATION

Registration for the 2021 First Year Engineering Experience (FYEE) Conference is now open! This year's conference will be held virtually on August 9-10, 2021. Early registration (\$40) ends May 31. Visit <https://sites.asee.org/fyee2021/registration/> for additional registration options or to register for this year's conference. Check <https://sites.asee.org/fyee2021/> for more details. Please direct any questions to Kevin Calabro at kcalabro@umd.edu.

TeachEngineering Summer Professional Development

Help spread the word! Are you or anyone you know looking for some *summer for-credit professional development on P-12 Engineering!* Come join *TeachEngineering* for our ASEE Engineering Teacher Professional Development Endorsed virtual summer workshop series. Two-day workshops will dive into hands-on engineering design challenges for P-12 students and also build skills in teaching with online design tools (such as OnShape and TinkerCAD). View flyers ([here](#)) for more details. Register at: <https://www.teachengineering.org/pdworkshop>

Share your P12 programs!

The ASEE Commission on P12 Engineering Education is collecting information about activities and programs that support engineering education in the pre-college space. These could be activities taking place with students or with teachers, held in-school, extracurricular, or in informal environments, working with just a few individuals, or reaching large groups. The goal is to create a central resource so that all working in the P12 space can share with and learn from each other. Below is a link to a short survey. The information collected from the survey will be shared through a map and hub on the Commission's website and to select programs to be highlighted in a "spotlight" section periodically. No information will be shared by the Commission without first securing the approval of those who filled out the survey. Everyone is asked to share this survey link with others they know who are involved in the P12 engineering space, whether they are members of ASEE or not.

Survey link: <https://forms.gle/b6GreyywCLJBfon37>

Please contact us if you have any questions.

Kathy Harper – harper.217@osu.edu

Katey Shirey – katey@edukatey.com


How can ASEE better serve the P12 educator community?


ASEE Headquarters has created a P12 educator survey to gain some insight on how they can better serve the P12 educator community and what they can offer that would encourage membership in ASEE. The survey also asks for thoughts on the annual conference. If you could please complete the survey and share this link with any educators you know at any level (teacher, school administrator, district administrator, state, etc.), it would be much appreciated. <https://forms.gle/42yhBCt7CzhpMUT9>


Teachers that complete the survey will be entered into a drawing for one of several free teacher memberships as well as a top prize of free registration to the annual conference in 2021. If a teacher who has already paid for membership this year wins, the free membership can be used for 2021-2022.


Engineering Challenges for P12 Instructors and Parents

ASEE has established a Facebook page to provide engineering challenges for P12 instructors and parents. Please go to <https://www.facebook.com/groups/687366151802693/> to join and see all the awesome design challenges. If you have a challenge you would like to post on the page, please email Stacy Klein-Gardner at stacy.klein-gardner@vanderbilt.edu.

 Bradley Bowen

 May 25, 2021

 News

 No Comments

← April 16, 2021 Newsletter

Leave a Reply

You must be [logged in](#) to post a comment.

Quick Links

- Annual Reports
- Diversity Tips
- Minutes
- Newsletters

Web Menu

- About
- People
- Awards
- Events
- Resources
- Contact
- Home

Search



Copyright © 2021 ASEE Precollege Engineering Education

[About](#) [People](#) [Awards](#) [Events](#) [Resources](#) [Contact](#) [Home](#)
