Teacher Enrichment Program
June 2020 Newsletter

Calendar of Events

Hosted May 14th

Hacking Coronavirus

"Small Foundation, Big Achievements: How science and technology are meeting the challenges of pandemics present and future."

A panel of Research Science Institute alumni speak to the cutting edge science and technology being used to fight the COVID-19 pandemic.

Released May 21st

Solar Thermal Fuels
Automating Science Research
NP-Completeness of Puzzles
miRNA Interactome Disease Models
Algebraic Geometry and Code Theory

Hosted May 22nd

Annual Congressional Luncheon

CEE's Congressional Luncheon was hosted as a virtual event for the first time this year. The event reflected upon and celebrated over 36 successful years of impactful STEM education programs: Research Science Institute (RSI), USA Biolympiad, and the Teacher Enrichment Program (TEP).

For more, visit us at: TEP Facebook

Excellence in STEM

Science

Future Forward Regeneron International Science and Engineering Fair goes virtual in 2020 in partnership with The Society for Science & the Public. All materials including replay of webinars available at no cost through June 5th!

Technology

TechVersify acknowledges the psychological impacts of technology and suggests ways to leverage tech for maximum benefit while living happier & healthier lives.

Engineering

SpaceX *The Launch of Crew Demo-2*
Returning Human Spaceflight to the United States

Mathematics

Quanta *Symbolic Mathematics Finally Yields to Neural Networks*

By translating some of math's most complex equations, AI may be able to solve more abstract problems.

Timeless STEM

TEP honors the creativity, flexibility, and resilience of educators in the US and around the globe as you have adapted your methods to match circumstances surrounding the COVID-19 pandemic.

We recognize YOU for your strength of character and dedication!

Stay inspired by taking a look at how students have continued learning around the globe, from Ukraine to Rwanda to the Caribbean, and more!

A Lesson to Learn

Data Literacy

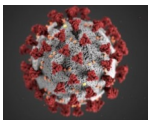
& the Novel Corona Virus

NPR & PBS collaborate to provide teacher resources for lessons that help students:

- make sense of statistics,
- evaluate the reliability of claims, and
- apply media analysis techniques

to charts, graphs, and statistics to further develop their ***objective scientific lens***.

Supplement your data literacy lessons with the Smithsonian Science Education Center's new Covid-19 Guide for Youth.



Keep statistics alive in your lessons with the support of STEW—the Statistics Education Web hosted by the American Statistical Association. Educators share and peer review lessons with a focus on statistics for students in grades K-12.

Additional teaching resources and remote learning support can be found on our TEP homepage and Lab Bench resource site!

Additional CEE Programs

CEE offers two STEM programs at no cost for high-performing high school students. TEP will eagerly share their spectacular experiential outcomes with educators later this year.

Research Science Institute (RSI):
We are thankful for our generous community of RSI alumni who are offering virtual mentorships for the entire 2020 class of RSI participants to ensure a fruitful experience for all.

United States Biolympiad (USABO):
We are appreciative of our corporate sponsors, partners in education, and government agencies for extending virtual or in-person internships (as appropriate) to USABO Finalists.

Excellence

in Economic Sciences

Data Collection & Analysis, Economics, and Human Health & Well-Being

Sir Angus Stewart Deaton is British-American economist and academic. He is a Professor of Economics and International Affairs Emeritus at the Woodrow Wilson School at Princeton University. Deaton's research is focused on: human health, well-being, poverty, inequality, related economic development, and randomized controlled trials. (Photo credit: Nobel Media AB 2020.)

Deaton's greatest memories as a student were not in the classroom, but with his father, learning square roots or visiting the zoo or botanical gardens. Deaton eventually had the 'good fortune' to attend an elite university on scholarship, a time he now describes as having "strengthened an older feeling that ordinary Scots like me were not full citizens in our own country, compared with landholding English elite…" This undoubtedly shaped his later research of emotional well-being and economics. This experience also bolstered Deaton's determination and willingness to ask questions despite feeling left behind. He states, "Being willing to confess ignorance and to listen is a fast and joyful way to learn."

Deaton was awarded the Nobel Prize in Economic Sciences in 2015, and was made a Knight Bachelor in 2016 for research in economics and international affairs. In 2019, *Prospect* recognized Deaton jointly with Anne Case as one of the "World's Top 50 Thinkers," for their groundbreaking 2015 study identifying "deaths of despair" (drugs, alcohol, & suicide) and their rise in middle-aged white Americans. It wasn't until fourteen years after Deaton first met Anne Case at Princeton that they became a couple and were married. Their favorite hobby: fly-fishing.

Also at Princeton, Deaton worked with Danny Kahneman and Gallup analyzing data, which led to a historic analysis: emotional well-being does not increase beyond $75,000 (income in the United States), even if one's evaluation of their life does.

Sir Angus Deaton is particularly proud of his work with the National Bureau of Economic Research and the National Institute on Aging. Their influence helped bring his research to light and has brought about a new generation of social scientists to study health research.