

STEM Outreach Programs During COVID-19 - Ufnar

Supplemental Material. Post Pandemic Survey

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Post Pandemic Survey

The way we teach science has been irrevocably changed as we confront the challenge of closed schools and 100% online learning during the current pandemic. We will emerge from this isolation at some point, and students will rejoin their friends and teachers in the in-school environment. This pandemic will produce virtual strategies and approaches to teaching STEM that will be adapted for the "new normal" in K-12 education. We have an opportunity to renew and strengthen partnerships between K-12 and all types of external providers including universities, informal educators, research institutions, businesses, and healthcare providers. We continue to be inspired by the innovations that help us navigate the unknown in virtual STEM education. Our goal in the current project is to identify STEM education outreach innovations fostering a diverse STEM workforce to promote more equitable distribution of health and wellbeing. We are looking for examples of current virtual learning tools that can be employed, improved and continued beyond COVID-19, as well as innovative new strategies that can reshape the way that technology is used effectively in our return to schools and classrooms.

Please complete the survey below.

Thank you!

Name _____

Institution _____

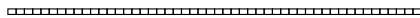
1 LIST UP TO THREE CURRENT PROGRAMS

For Program 1 please answer the following questions:

Briefly describe the program, indicating whether for students and/or teachers and the grade level targeted (Word limit: 100 words)

Rate the impact that the pandemic has had on this program

No impact Some impact Major impact

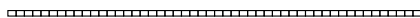


(Place a mark on the scale above)

Briefly describe how this program has been impacted (Word limit: 100 words)

Rate how adaptable your program is to a virtual platform

Not adaptable Somewhat adaptable Highly adaptable



(Place a mark on the scale above)

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For Program 2 please answer the following questions:

Briefly describe the program, indicating whether for students and/or teachers and the grade level targeted (Word limit: 100 words)

Rate the impact that the pandemic has had on this program

No impact Some impact Major impact

(Place a mark on the scale above)

Briefly describe how this program has been impacted (Word limit: 100 words)

Rate how adaptable your program is to a virtual platform

Not adaptable Somewhat adaptable Highly adaptable

(Place a mark on the scale above)

For Program 3 please answer the following questions:

Briefly describe the program, indicating whether for students and/or teachers and the grade level targeted (Word limit: 100 words)

Rate the impact that the pandemic has had on this program

No impact Some impact Major impact

(Place a mark on the scale above)

Briefly describe how this program has been impacted (Word limit: 100 words)

Rate how adaptable your program is to a virtual platform

Not adaptable Somewhat adaptable Highly adaptable

(Place a mark on the scale above)

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The remainder of the questions will not be specific to any one program.

- 2 HAVE YOU STARTED NEW PROGRAMS BECAUSE OF THE PANDEMIC? IF YES, BRIEFLY DESCRIBE
(Word limit: 100 words)

- 3 LIST VIRTUAL APPROACHES OR STRATEGIES THAT YOU HAVE FOUND MOST SUCCESSFUL. INDICATE WHY YOU THINK THESE APPROACHES HAVE BEEN SUCCESSFUL AND WHAT THE TARGET AUDIENCE HAS BEEN
(Word limit: 100 words)

- 4 HAVE YOU NOTICED AN INCREASE IN REQUESTS FOR VIRTUAL PROGRAMMING? IF YES, WHAT TYPE OF REQUESTS HAVE YOU BEEN GETTING?
(Word limit: 100 words)

- 5 WHAT CHALLENGES DO YOU ANTICIPATE IN CONTINUING YOUR PROGRAMS VIRTUALLY?
(Word limit: 100 words)

- 6 DO YOU PERCEIVE EQUITY CHALLENGES - I.E. REACHING ALL STUDENTS - BY USING VIRTUAL APPROACHES? IF YES, WHAT STRATEGIES HAVE YOU DEVELOPED TO DEAL WITH EQUITY ISSUES?
(Word limit: 100 words)

- 7 DESCRIBE INNOVATIVE OR OUTSIDE-THE-BOX STRATEGIES THAT YOU MIGHT IMPLEMENT AND/OR RECOMMEND TO OTHERS THAT WILL ENHANCE THE USE OF TECHNOLOGY POST-PANDEMIC

- 8 HOW DO YOU THINK THE USE OF THE VIRTUAL SPACE WILL HELP US TO REIMAGINE OR REINVENT SCIENCE TEACHING AND LEARNING IN A WAY THAT DOES NOT RECAPITULATE THE PAST BUT OPENS US UP TO NEW POSSIBILITIES?
(Word limit: 100 words)