



TEACHERS



Prepare for the future of STEM

Join a four-week summer institute at the PAST Innovation Lab in Additive Manufacturing!

June 4 - 29, 2018

Monday - Friday

9AM-4PM

- Amp up your Career Tech/FabLab instruction skills
- Explore topics including Assembly, CAD, CNC, and Welding
- Develop additive manufacturing curriculum with the help of experts
- Prepare for the immersive onsite summer PD with a four-week Online Professional Development Course
- Visit leading industry partners in Additive Manufacturing

WHAT IS ADDITIVE MANUFACTURING?

Additive Manufacturing (AM) is a process of making three-dimensional solid objects from a digital model. AM uses additive processes that print successive layers of material to create different shapes. With the help of industry groups like the Society of Manufacturing Engineers (SME), students are finding opportunities to develop skills needed to transition from high school to college to AM careers.

WHO?

- Teachers who want to expose their students to topics and career pathways in Additive Manufacturing

WHY?

- Prepare for the SME Additive Manufacturing Fundamentals Certificate
- Certificate of completion for 80 hours upon completion of Online courses and on-site experience
- Collegiate credit option through South Dakota State University

Space is limited, apply now

For more information contact 3dtoprint@pastfoundation.org

Frequently Asked Questions

WHO IS ELIGIBLE TO APPLY? All teachers interested in immersive STEM education with an emphasis on how to apply Additive Manufacturing in the classroom.

HOW DO I APPLY? Visit www.3dtoprint.org and click 'Apply.' The deadline for applications is April 25th, 2018.

WHAT IS THE BENEFIT? Prior to the summer institute the four-week Online Professional Development Course (May 7 - June 1) helps you implement Design Thinking and use tools to build course curriculum that is tailored to your teaching style and your students. As a result teachers will have the opportunity to earn eight, continuing education units (CEUs) after the online course and on-site experience. In addition, participants are eligible to receive two non-degree college credits for recertification through South Dakota State University (\$80 fee). Teachers completing the summer institute are eligible to test for the SME Additive Manufacturing Fundamentals Certificate.

WHAT IS THE COST? Selected teachers will participate in P3 PD and the Summer Institute at no cost, receive materials, and a \$1000 stipend. Seats are limited to 8 teachers.

WHERE CAN I LEARN MORE ABOUT ADDITIVE MANUFACTURING? Visit the Society of Manufacturing Engineers (www.sme.org) or America Makes - National Additive Manufacturing Innovation Institute (www.americamakes.us).

WHAT HAPPENS AFTER THE FOUR-WEEK INSTITUTE? Teachers that complete the Online PD and summer institute will be prepared to implement their AM module plans in the classroom.

For more detailed information visit www.3dtoprint.org