



America Makes

Education and Workforce Development

Driven by...



America Makes Education and Workforce Development Additive Edge



“Giving students the edge in preparation to enter the additive industry.”

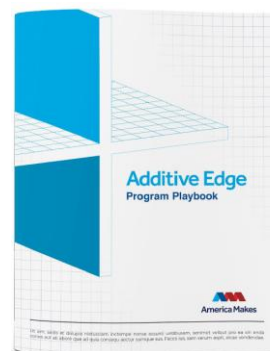
Additive Edge is a national outreach program for high school students designed to inspire the next generation workforce to explore career pathways in advanced manufacturing

Identify a real-world problem

Conceptualize an additive manufacturing solution

Build a business model around the product

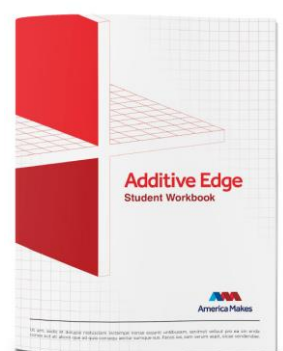
Pitch the project to a panel of judges



Program Playbook



Instructor Guide



Student Workbook

BEGIN YOUR ADVANCED MANUFACTURING JOURNEY TODAY!

Learn more about careers in additive manufacturing and the world of advanced manufacturing at AmericaMakes.us/EWD



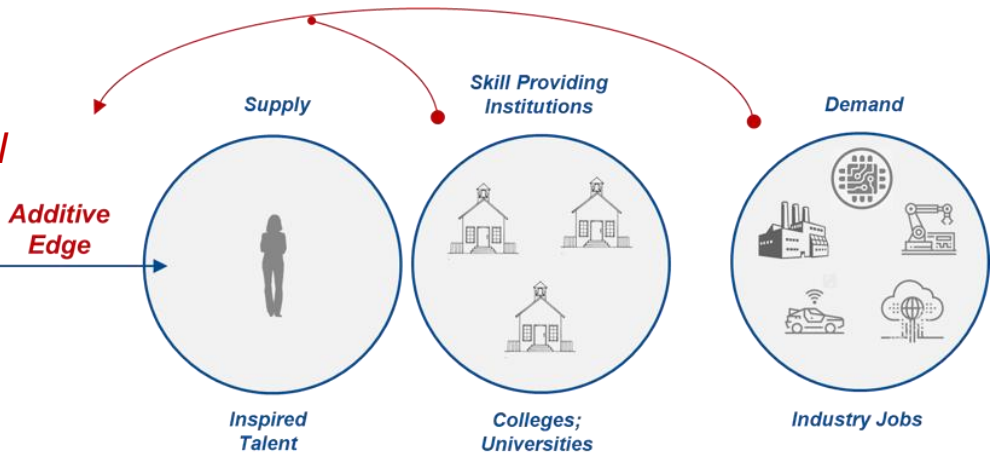
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Additive Edge has several flexible and tailored deployments for middle and high school students and adults.



Process & Applications



Career Readiness Tools



MATERIALS

3D printers use many different materials, depending on the type of machine being used. Printers can use plastic wire called "filament", and some can 3D print in metal, ceramic, or even sugar!

MACHINES

There are more than a hundred different kinds of 3D printers, from as small as a coffee maker to as big as car. Some machines use lasers, and others work like inkjet printers, while others use extruded materials or photopolymers.

APPLICATIONS

3D printing is used for many real world applications including

- Race car parts
- Casts and braces
- Robotics
- Airplane jet engines
- Tools for the Space Station
- Museums and art ...and many others!

Reach out and get involved!

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