



## Manufacture Your Future Teacher Challenge Overview

### THE CHALLENGE

Innovative teachers across the country will be challenged to create and submit a proposal for an experience that brings manufacturing careers to life for their students! As jobs in manufacturing evolve from simple factories to using 3-D printing, human-robot interactions, and extreme customization we are calling educators to inspire the next generation of advanced manufactures!

- Think of what experience you would create and host like a *Manufacture Your Future* Career Day or experience for your students to help them explore different career pathways and prepare for a variety of exciting and challenging jobs in advanced manufacturing.
- Create a proposal for your *Manufacture Your Future* experience and we may help you bring it to life at your school.

### BASIC REQUIREMENTS

- Groups of 1-4 K-12 Teachers are invited to create a proposal for an experience that brings manufacturing careers to life for their students
- Pitch idea in a 1-2-minute video
- Include a written plan outlining how you will utilize the grant and list critical resources you would incorporate, including at least one *Manufacture Your Future* resource
  - In the written plan, an overview of how the grant will be used must be included
- Describe specifically how your idea will inspire your students and prepare them for a variety of careers in advanced manufacturing
  - Entries must be realistic to implement as the winner will be making their experience a reality with the grant prize money

### SUPPORT

#### Examples of *Manufacture Your Future* tools to help you plan and implement your proposal:

- Build student excitement and collect information about their interests by implementing a *Manufacture Your Future* Lesson Plan!  
<http://www.manufactureyourfuture.com/school>
- Check out the Manufacturing Day of Learning Virtual Field Trip to get some ideas for your proposal!  
<http://www.manufactureyourfuture.com/manufacturing-day-learning>

- Consider including the Manufacturing Career Guide and the Student Self-Paced Module in your Career Day or experience!  
<http://www.manufactureyourfuture.com/at-home>

## **RULES OF ENTRY**

Teachers (working alone, or in Teams of two to four and who work at the same school) will create a video pitch, and a written proposal for an in-school experience that will bring manufacturing careers to life for their students, and help them explore different career pathways in advanced manufacturing.

Video pitch length must be at least 60 seconds and no more than 120 seconds in length.

Written proposals must be submitted in .pdf format and must include the following:

- A description of the proposed in-school experience,
- A description of how a \$5,000 grant would be used to implement the experience
- Information about the individuals who will plan and host the event
- A description of the intended student audience for the event
- A list of critical resources, including at least one Manufacture Your Future resource (see <http://www.manufactureyourfuture.com> for available resources)
- An explanation of how the students will benefit from the experience and how it will inspire them to explore different career pathways in advanced manufacturing

**Register and submit entry at <http://www.manufactureyourfuture.com/challenge> by October 22nd**

## **JUDGING**

A panel of qualified judges from Discovery Education, Arconic Foundation and its partner organizations, educators and Manufacturing professionals will score qualifying videos using the following judging criteria:

- Quality of Entry Video (25%) – (i.e. is the video easy to understand and follow? Does it connect to the written component of the entry?)
- Quality of Written Component (25%) – (i.e. is the written component of the entry clear, concise, and thoroughly developed? Does it include the required components described in Section 5 above?)
- Addresses Needs of Students (25%) – (i.e. how well is the proposed event tailored to engage the intended student audience?)
- Creativity (25%)

## PRIZING

- **First Prize:** a \$5,000 grant awarded to the school to be used to implement the student experience, an In-School Winner Announcement event, and a trip to the Discovery Educator Network Summer Institute for the First Place Teacher(s).
- **Second Prize:** a \$3,500 grant awarded to the school to be used to implement portions of the student experience.
- **Third Prize:** a \$1,500 grant awarded to the school to be used to implement a portion of the student experience.
- **Ten Fourth Prizes:** The opportunity for the Teacher(s) associated with each Fourth Place entry to create a project request on [www.DonorsChoose.org](http://www.DonorsChoose.org) and direct a \$1,000 donation from Arconic Foundation toward the project.

## CHALLENGE TIMELINE

- October 22, 2018 – Challenge closes and judging begins
- December 2018 – Winner announcement school event