STEM Opportunities & Careers
Kawneer Company Inc.

September 10th, 2019
About Me

Stephanie Meadows

1st Generation College Student

Bachelor Degree Civil Engineering Technology
Minor in Engineering Management

Associate of Applied Science Engineering Technology:
Civil Engineering Specialization

Engineering/Architectural Design
CAD Certificate
Founded by Francis Plym, Kawneer started its humble beginnings in a sheet metal shop in Kansas City.
1906 – First patent
1907 – The first Kawneer Plant in Niles, Michigan
1950 – Kawneer Company Canada, Limited was formed
1998 – Acquired by Alcoa
2016 – Launched Arconic
Kawneer – Career opportunities

Order Work Flow

- Curtain Wall
- Doors
- Windows
- World Class Brand

Kawneer Virginia Front End Office
2031 Deyerle Avenue Harrisonburg, VA 22801
95 Employees
Engineering

Programs Used

BEAM R5

Powers Design Assist

Hilti

Mathcad 15.0

Autodesk Vault Professional 2016
Drafting

Programs Used

DETAIL: SILL
TEMPS: -10°F EXT. /70°F INT.
GLASS: 1/4" Guardian SunGuard SNX 51/23
1/4" Argon w/ TGI Spacer
1/4" Clear

This model is a computer simulation only & is not certified. Actual job conditions temperatures may vary.
Why do I enjoy my STEM career?

American Dream – New Jersey

Cal Poly Student Housing – California
Why do I enjoy my STEM career?

U.S. Bank Stadium – Minnesota Vikings
Why do I enjoy my STEM career?
Arconic and Arconic Foundation
Arconic Mission and Values

Everyone, Everyday, Everywhere...

We win when our customers win – we innovate, deliver and operate as world class.

We excel as high performance teams – safely, with respect and integrity.
Arconic at a glance

A global leader in lightweight metals engineering and manufacturing

$14.0B
2018 revenue

42% of 2018 revenue came from aerospace

28% of 2018 revenue came from automotive and commercial transportation

43,000 People globally

29 Countries

139 Locations
Our markets

From the ground to the sky and into the reaches of outer space, Arconic supplies advanced materials and products for multiple fast-growing markets. We engineer innovation each and every day.

Arconic is transforming the way we fly, drive, build and power

Aerospace

Defense and Space

Automotive

Commercial Transportation

Building and Construction

Industrial Solutions

Energy
Foundation initiatives support Arconic business outcomes and enhance reputation through a shared value model

Foundation adds value in communities where Arconic operates

- **Social license** to operate for plants
- Drives employee **engagement**, morale
- Attracts and retains **talent**
- Enhances Arconic **reputation**, visibility, brand
- Reinforces diversity and inclusion **values**
- Promotes Arconic employees as **leaders** in communities
The mandate of Arconic Foundation is to support the development of talent for advanced manufacturing careers

Arconic Foundation partners with nonprofit organizations to advance science, technology, engineering, and math (STEM) education and skills training worldwide, with a special emphasis on emerging technologies, and on engaging and creating access to those disciplines for underrepresented and underserved groups.

Through these collaborations, we are helping to change the perception of manufacturing by creating excitement around the rewarding career opportunities available to the next generation of talent – from career and technical education to additive manufacturing and the most advanced robotics and digital manufacturing.

The Foundation encourages a culture of volunteerism and supports employees in their community outreach. We also work with Arconic locations to provide relief in the event of natural disasters in order to ensure the resilience and wellbeing of our communities.
Arconic Foundation Grant - STEM FAIR Event

*Big Brothers Big Sisters – Month of Recognition Contest*
Foundation support is directed to geographies where Arconic operates

2017 Arconic Foundation geographic presence

- United States
- Canada
- Mexico
- Brazil
- Europe
  - Belgium
  - Czech Republic
  - France
  - Germany
  - Hungary
  - Italy
  - Netherlands
  - Spain
  - UK
- Russia
- China
- Japan
- South Korea
- Australia
- India
- Singapore
- South Africa
- Morocco
- India
- Singapore
- South Africa
- Morocco
Inspiring and Supporting STEM Educators and Leaders

Discovery Education: Manufacture Your Future program

Launched in 2014:

- **ManufactureYourFuture.com** is an online destination designed to inspire thousands of students in **grades 6-12** to take the first step towards exploring and pursuing today's manufacturing careers.
- The program provides middle and high school educators, guidance counselors, students and families with hands-on resources that build excitement around post-secondary manufacturing career opportunities.
- Offers:
  - Standards-based STEM-focused **lesson plans**
  - Manufacturing **career guide**
  - Family **discussion starters**
  - **Virtual Field Trip** designed to give students an inside look at some of today's exciting manufacturing careers.
- Every year, on **Manufacturing Day** (First Friday in October), Arconic and the Foundation open the doors to a facility for a Virtual Field Trip (LIVE Broadcast/stream) to showcase the work and careers in our operations. Recordings of the VFTs are available on the website.
- Teachers are encouraged by Discovery Education to stream the LIVE Broadcast in their classroom for their students. **More than 600,000 students** have participated to date.

Example: The most recent Virtual Field Trip took place in Austin, TX and highlighted 3D printing.
Stay connected

Learn more about Arconic online

arconic.com | @arconic