



MFG Day 2021: Toolkit for Teachers

The Challenge

By getting involved in MFG Day, educators can help students and parents better understand the exciting careers available in modern manufacturing.

Ready to empower the next generation of creators? Take advantage of our #MFGDay21 opportunities and join us on our mission to connect students and families with the future of manufacturing.

About MFG Day

Kicking off on Friday, Oct. 1, MFG Day serves as a flagship initiative of The Manufacturing Institute—the 501(c)3 nonprofit workforce development and education partner of the National Association of Manufacturers. MFG Day gives companies from all over the country the opportunity to showcase the benefits of modern manufacturing careers.

In addition, our events address the skills gap that will leave more than 2.1 million American jobs unfilled by 2030. This skills gap is due in part to a lack of awareness surrounding

the incredible career pathways that exist in manufacturing, and the NAM, the MI and manufacturers across the country are addressing this issue proactively with MFG Day. MFG Day encourages thousands of companies and educational institutions to host virtual or safe, in-person events for students, parents, teachers and community leaders. By gaining exposure early on, students are inspired to learn more about the exciting field of modern manufacturing and the challenges the current skills gap presents.

Are your students participating in MFG Day 2021?

Encourage your students to take the [Participant Survey](#) after attending a MFG Day 2021 event to help the MI determine the impact MFG Day events had on students and participants. This short survey helps us understand how events affected their perception of modern manufacturing and how likely they would be to consider a future career in manufacturing.

What Is Modern Manufacturing?

While many students may have a perception of what manufacturing is, the industry is much more complex and multifaceted than ever before. Manufacturing has undergone a dramatic shift into today's industry providing opportunities for students to design and build America's future in high-demand and high-skill careers. Did you know that, on average, a job in manufacturing pays more than \$84,000 a year in salary and benefits? Simply put, modern manufacturing is the path to a secure career and future.

Modern manufacturing also provides opportunities to develop specialties, such as operations, management, technology and engineering. New jobs in modern manufacturing extend beyond shop floors and laboratories into offices, state-of-the-art tech centers and even your living room. Everything we use today required skilled thinkers and doers to invent, market, distribute and maintain. MFG Day provides a great opportunity to ignite these important conversations!



Call to Action

If you're looking for an engaging way to introduce students to exciting new career paths, MFG Day provides the perfect place to start. There has truly never been a better time to open up a world of possibility for your students and drive interest toward exciting career opportunities in modern manufacturing.

Here's how to get involved:

1

MFG Day Student Events

There's no better way to introduce your students to modern manufacturing than by incorporating an MFG Day event into your lesson plan, or by encouraging students and parents to participate in an event on their own!

Search for nationwide or local events:

[Find an event!](#)



2

MFG Day Virtual Tours

Manufacturers across the country are opening their doors virtually with 3D-mapped tours. Explore the latest videos, show them to your students or incorporate them into a lesson plan!

Check out the virtual manufacturing tours on [CreatorsWanted.org](https://creatorswanted.org).



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Creators Wanted

Modern manufacturing careers have transformed in significant ways, creating opportunities to design, work in teams, use the latest technologies, make tangible products, create the future, lead early on and build a lifelong and rewarding career. These are high-skill careers with multiple pathways to excel.

The Creators Wanted provides an inside look into the stories and careers of modern manufacturers. Videos feature personal stories of a creators in manufacturing and let students and parents hear firsthand about the opportunities a career in modern manufacturing provides. Other resources, including online experiences, reinforce these accounts.

Check them out and pass them along to your students!

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The MI

Through 2030, 4 million manufacturing jobs will need to be filled, and 2.1 million are expected to go unfilled due to the skills gap. To combat the skills gap, the MI provides programming and initiatives for the current and emerging manufacturing workforce, including women, veterans and students.

The MI provides leading resources to solve the industry's toughest challenges. The MI also offers access to education and certification programs for emerging and current manufacturing workers, an integrated training and career pathway and a community of engaged workers and manufacturers. As the leading provider of industry workforce research and data, the MI provides insight, research, resources and tools to manufacturers to grow their pipeline of skilled workers.

Get the latest news and research on the industry from [the MI](#).



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Smart MFG 2 App

Students love video games, and the MI and PTC have partnered to create an app that gives students an interactive virtual modern manufacturing experience that excites and educates.

Download and share the Smart MFG 2 app.



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The Social Media Conversation

To excite future creators about the rewarding career pathways that modern manufacturing offers, we first have to increase awareness and shift misperceptions about the industry through experience and compelling content. That's where MFG Day and its social media channels come in! There are lots of engaging and enlightening conversations happening across Twitter, Facebook, Instagram and LinkedIn about the future of the industry, and we invite you to join in and follow along.

For the latest updates on MFG Day, follow @MFGDay, @TheMfgInstitute and @ShopFloorNAM on Instagram, LinkedIn, Facebook and Twitter. You can also engage with other educators and

attendees, as well as companies, organizations and state officials participating in MFG Day 2021 by searching for content using the #MFGDay21 and #CreatorsWanted hashtags.

Attending an event with your students? Make sure to use #MFGDay21 and #CreatorsWanted or tag @MFGDay in your updates or recap posts!

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Manufacture Your Future

The Arconic Foundation, Howmet Aerospace Foundation and Discovery Education have compiled free resources to 3rd–12th grade classrooms to develop STEM and critical-thinking skills in students.

Check out the exciting tools at [Manufacture Your Future!](#)

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Email Newsletter

Sign up to receive emails from the MI to stay on top of news and opportunities surrounding modern manufacturing, including a new youth site coming soon.



@MfgDay
 @manufacturing-day
 [CreatorsWanted.org](#)

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