



## Exploring the Marvels of Manufacturing



in Northwestern PA  
October 2020

### A Career Exploration Program for Grades 6-12

(Cameron, Clearfield, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Potter, Venango, Warren)

#### KEY SPONSORS



#### COMMUNITY PARTNERS





# How the Program Works

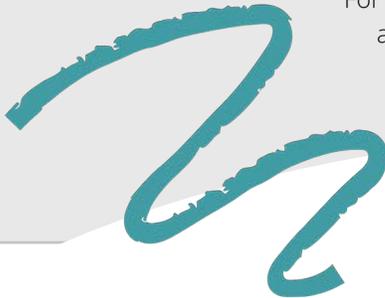
**WRITE**  
A really short article

**WATCH**  
Some really cool videos

**ANSWER**  
Just a few questions

**SUBMIT** →  
For a chance at some awesome prizes

**UPLOAD AT:**  
[nwirc.org/mfgmonth](http://nwirc.org/mfgmonth)  
For Grades 6-12



## Awesome Prize Pool (100 Prizes)

Apple AirPods | JBL Clips Blue Tooth Speakers | Powerbeats Earphones  
Beats Solo Pro Headphones | Apple Gift Cards | Makeblock mBot Robot Kits  
3D Printing Pens | Amazon Gift Cards | Drones | Sphero Mini

(Prize winners selected by random drawing. Two winners will be drawn in each of the 14 counties for Amazon Gift Cards. Winners for each of the remaining prizes will be drawn from ALL entries.)

**All participants will receive an Exploring the Marvels of Manufacturing certificate.**

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# Entry Form & Parent Consent

Deadline for submission is October 31, 2020



The entry form and parent/guardian consent should be completed and submitted with **Step 1 and Step 2** of the program elements. Participating students should be in 6-12 grade within the 14 counties listed on the cover page.

↑ Upload documents at the program portal from October 2-31, 2020 at: [www.nwirc.org/mfgmonth](http://www.nwirc.org/mfgmonth) or mail to: NWIRC, 8425 Peach Street, Erie PA 16509 (must be postmarked by Oct 31, 2020).

## Student Entry Information

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

School \_\_\_\_\_ Grade \_\_\_\_\_

## Parent/Guardian Consent

The student (listed above) is in 6-12 grade and I give permission for them to participate in **Exploring the Marvels of Manufacturing** by submitting a short article and worksheet upon their exploration of manufacturing careers. I understand that they will receive a certificate for their participation and will be eligible for random prize drawings for their program entry. I also understand that excerpts from my child's article, along with their first name and school name, may be used in press releases, or social media to promote manufacturing career awareness.

Parent / Guardian Name \_\_\_\_\_

Parent / Guardian Signature \_\_\_\_\_

Date \_\_\_\_\_

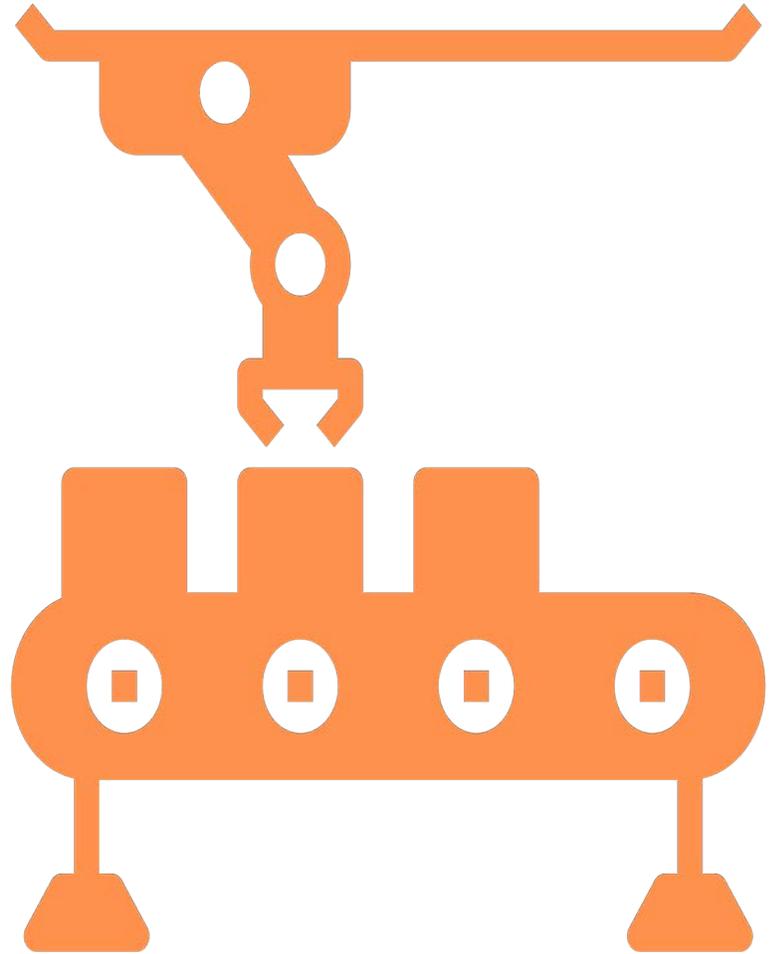
No purchase necessary to enter. Winners will be selected by random drawing from all entries received electronically by (or via mail, postmarked by) October 31, 2020. Two winners will be drawn in each of the 14 counties for Amazon Gift Cards. Winners for each of the remaining prizes will be drawn from ALL entries. Prizes are final and can not be exchanged for cash or different item, and are not transferable. Odds of winning a prize will be based on the number of submissions received. Prize drawing will occur on November 9, 2020. Winners list will be posted at [www.nwirc.org/mfgmonth](http://www.nwirc.org/mfgmonth). Prizes will be shipped direct to the students' home address. Participation certificates will be mailed, either to the student's school or direct to their home address.

# Step 1 Short Article

## How Has Manufacturing Touched Your Life?

**Tell us your story. Write a short article describing how manufacturing has touched your life.**

*Examples: Do you have a parent or relative who works at a local manufacturing company? Do you have a favorite product that you can't live without? Have you visited one of the manufacturing companies in your town? Is your community stronger because of a local manufacturing company? Get creative, the possibilities are endless!*



**Article should be no more than 400 words!**

Please type or print clearly on a separate page.

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# Step 2 Lesson Plan Worksheet

## INSTRUCTIONS

Next Page →

**1** Visit the **What's So Cool About Manufacturing** website

**WhatsSoCool.org**

**2** Watch at least 3 videos (2 minutes each) to help answer a few questions on the following page. All of these videos were created by 7th/8th grade students featuring manufacturing companies in their own backyard.

**Choose any of the videos to view from the 2020 Contests (or Previous Contests) tab. Perhaps a video featuring a cool manufacturing company you want to learn about or one located in your town!**



**3** **Answer**  
the worksheet questions! →

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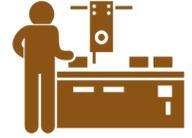


#### COMMUNITY PARTNERS





See instructions on previous page. After watching 3 videos on the Whats So Cool About Manufacturing website (WhatsSoCool.org), answer the following questions.



**1**

**Name** 3 different local manufacturing companies, the product they make, and at least one job title highlighted in each video. (13.1.C,D, F,G\*)

	<b>Company</b>	<b>Product</b>	<b>Job Title</b>
1			
2			
3			

**2**

**Think about** a product being made by one of the manufacturing companies. How could that product be used if someone was to open or start their own business? For example, someone can sell Nestlé Waters at their restaurant. (13.4. C\*)

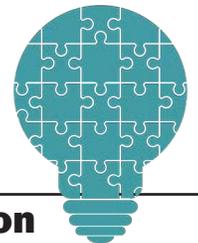


Product: \_\_\_\_\_

Business idea: \_\_\_\_\_

**3**

**Think about** a skill you need in a school subject or after school activity, and explain how someone could use similar skills in a manufacturing job. (13.1 A,B,E,F,G,H 13.2E, 13.3A,B,C,E,G\*)



<b>Subject/Activity</b>	<b>Career Preparation</b>
Example 1: Math Example 2: Basketball	Use to calculate how much product needed Work together as a team

\*Indicates Career Standard