

THE NEED for Manufacturing



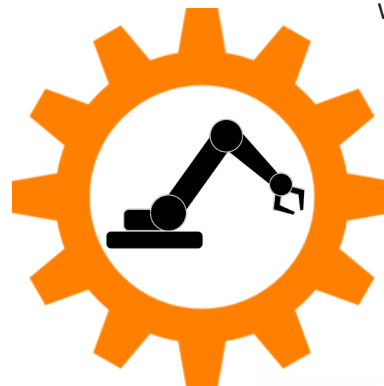
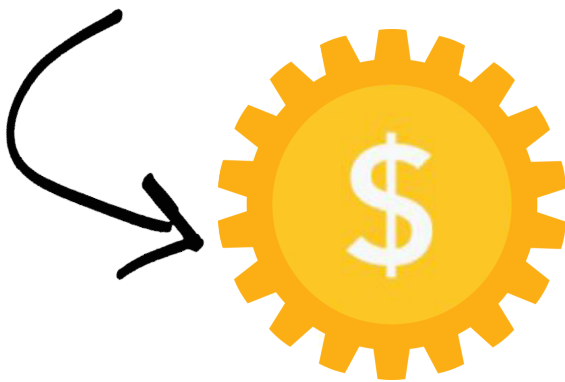
BotsIQ's vision is for **every student** in southwestern PA to **understand, explore, and consider manufacturing** as a viable career option.

\$63,000

the **average salary** for high demand manufacturing jobs in southwestern Pennsylvania. *

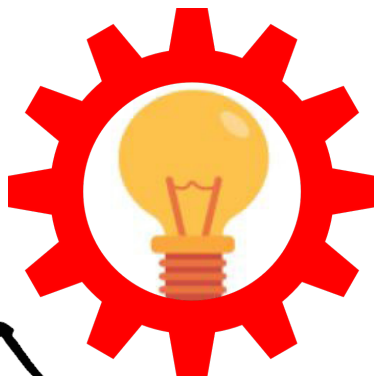
2 MILLION

positions in manufacturing will be needed over the next decade.



MORE THAN HALF

of high demand manufacturing jobs **do not require a 4-year degree** but do require advanced hands-on training.

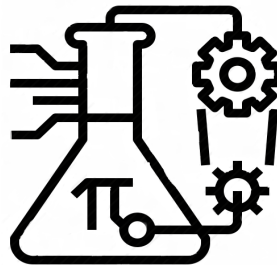


83%

of BotsIQ students **found manufacturing important** to the US and local economy.**

82%

of BotsIQ students are **interested in or planning to explore a manufacturing or STEM** related career.**



**Total 2018 BotsIQ Student Data

*US Department of Labor May 2016 PA State OES



BotsIQ is a **manufacturing workforce development program** disguised as a high school robotics competition. It provides hands-on experience that allows students to **discover the possibilities** of a fulfilling career in manufacturing.

HOW ARE WE DOING AT CLOSING THE SKILLS GAP?

Since 2006, BotsIQ has been engaging manufacturing's next generation, reaching over 6000 students and counting. Now in its fifteenth year, the competition is comprised of more than 80 teams made up of 1000 students from over 60 schools in Southwestern Pennsylvania.

**THERE ARE TWO TYPES OF SKILLS
REQUIRED TO DO A JOB WELL -**

BotsIQ STUDENTS LEARN THESE SKILLS:

TECHNICAL SKILLS:

Applied Academics,
Manufacturing Skills,
Business Knowledge...

SOFT SKILLS:

Communication Skills,
Adaptability, Problem
Solving, Leadership
Abilities...

TECHNICAL SKILLS



Machining & Electronics



Engineering & Documentation



Math & Science



Marketing & Budgeting



Project Management



Teamwork



Critical Thinking



Work Ethic

SOFT SKILLS

COME SEE THEM IN ACTION!

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