

N F P A

Fluid Power **ACTION** **Challenge**

HYDRAULICS | PNEUMATICS

YOU'RE INVITED!

Middle School TSA Members that are attending the 2020 Florida State Conference are encouraged to register.

\$150 Grants Available
Apply Now!

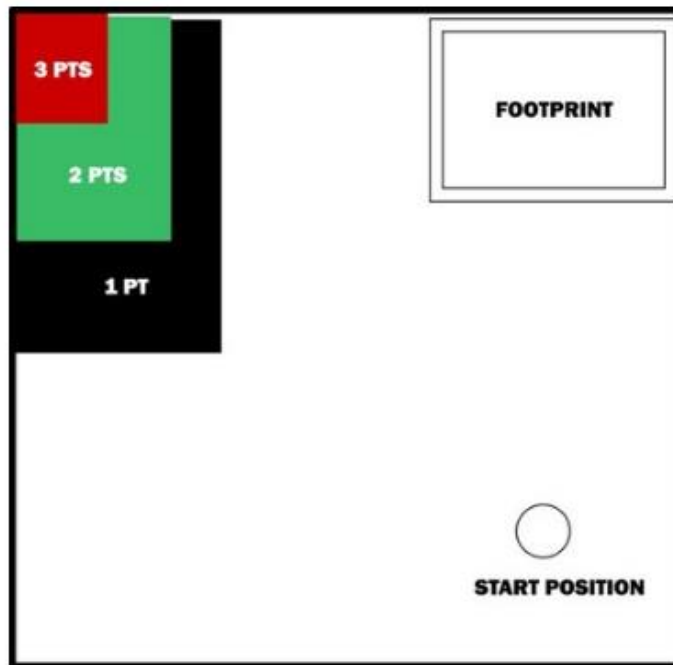
SEE IT IN ACTION:

- Teamwork ✓
- Competition ✓
- STEM Education ✓
- Problem Solving ✓
- Project Management ✓

Learn more: www.nfpahub.com/fpc

WHAT WILL STUDENTS BE EVALUATED ON?

Portfolio 45 • Teamwork 10 • Design Concepts 15 • Device Operation 0-80 • Interview Questions 20



Teams will design a device to move an object from the starting position to one of three zones.

WORKSHOP DAY

Teams are given a full kit of tools to build a solution to the challenge. In the coming weeks they fine tune their skills, develop a plan & build their prototype.

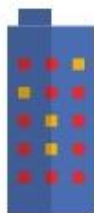
CHALLENGE DAY

Teams only use the portfolio they've created and a new kit of identical supplies to follow their own directions to recreate their unique device.

The Action Challenge gives students experience in hands-on learning, perseverance & introduces them to career options.

WHAT CAREERS ARE THERE IN FLUID POWER?

Aerospace • Agriculture • Automation • Biomedical • Construction • Energy • Recreation



**MANUFACTURING
SALES
REPRESENTATIVE**



\$79,680/YEAR*

JOB OUTLOOK - 2026
1,546,300

BACHELOR'S DEGREE

**SALES
ENGINEER**

\$101,420/YEAR*

JOB OUTLOOK - 2026
80,100

BACHELOR'S DEGREE

**INDUSTRIAL
MACHINERY
MECHANIC**



\$52,340/YEAR*

JOB OUTLOOK - 2026
370,100

ASSOCIATE'S DEGREE

**MECHANICAL
ENGINEERING
TECHNICIAN**



\$56,250/YEAR*

JOB OUTLOOK - 2026
48,400

ASSOCIATE'S DEGREE

**MECHANICAL
ENGINEER**

\$87,370/YEAR*

JOB OUTLOOK - 2026
314,100

BACHELOR'S DEGREE



National Fluid Power Association
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International
Fluid Power™
Society

International Fluid Power Society
askus@ifps.org | www.ifps.org

*Salaries represent median pay source: All statistics from U.S. Bureau of Labor Statistics