



Competitive Event Prep Chapter 2

Robotic Arm

Identify

National competitive events presented by organizations such as FIRST, SkillsUSA, and TSA present challenges that require the design and construction of multiple types of robotic arms. An understanding of multiple power sources, materials, and types of motion may be necessary.

Set Up

Research the use of robotic arms in society today. Compare and contrast the function, size, cost, and power source of various robotic arms.

Execute

Design your own robotic arm that can open the front cover of a book.

Evaluate

Examine your design and make changes as necessary.

Share

Demonstrate your solution to classmates and explain how Newton's Laws are working for you.