

Introduction to Robotics

Power Standards

1. Students will develop an understanding of the nature of engineering and robotics technologies.
2. Students will develop an understanding of engineering technology and society.
3. Students will develop abilities for a technological world in engineering.

Power Benchmarks

1. Practice general safety rules of the shop, and the safety of each machine.
2. Identify industry design and programming essentials
3. Identify core concepts of robotics technology
4. Apply engineering concepts in the solution of everyday problems.
5. Discover basic mechanical systems
6. Discover basic electrical and electromechanical systems
7. Student exposure of basic hydraulic systems.
8. Student exposure to basic pneumatic systems.
9. Identify robotic applications in the manufacturing industry.
10. Identify careers in robotics related fields.