

Cradle of Aviation Museum

and Education Center

Long Island's Air and Space Museum

Robotics Merit Badge Pre-requisites

1. Safety

- a. What are some hazards you may encounter while working with robots and what could you do to anticipate, mitigate and prevent, and respond to these hazards. Explore safety gear.

possible hazard	what you can do

- b. Discuss first aid and prevention for types of injuries that could occur while participating in robotic activities such as burns, cuts, eye injuries, etc.

possible injury	first aid and prevention

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6. Competitions

- b. Learn about three youth robotics competitions. Tell your counselor about these including: the type of competition, time commitment, age of the participants, and how many teams are involved.

1. **Competition:** _____

Type of Competition: _____

Age of participants: _____ # of Teams: _____

Time commitment: _____

2. **Competition:** _____

Type of Competition: _____

Age of participants: _____ # of Teams: _____

Time commitment: _____

3. **Competition:** _____

Type of Competition: _____

Age of participants: _____ # of Teams: _____

Time commitment: _____

7. Careers

Name three career opportunities in robotics. Pick one and find out the education training, and experience required for the profession. Discuss and explain why this career may interest you.

Career #1: _____

Education, training, and experience required: _____

Career #2: _____

Career #3: _____

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