



2023 Technology Merit Badge Academy

Class Catalog

Event Contacts

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Registration opens February 19, 2023
Visit www.scoutingevent.com/500-67585 to register



Class Catalog

2023 Technology Merit Badge Academy: 2022 TMBA at BC3

Merit Badge - General use (Scheduled Classes)

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Digital Technology

Technology has come a long way since Computers merit badge was first introduced in 1967. This badge will teach Scouts about technology in the digital age.

Maximum number of participants: 14

https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Digital_Technology.pdf

NOTE: No Prerequisites

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Electricity

Electricity is a powerful and fascinating force of nature. As early as 600 b.c., observers of the physical world suspected that electricity existed but did not have a name for it. In fact, real progress in unraveling the mystery of electricity has come only within the last 250 years.

Maximum number of participants: 14

https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Electricity.pdf

NOTE: Prerequisites:

2. Use Home Inspection Worksheet emailed to scouts or find on usscouts.org under electricity merit badge requirements. Link to sheet is below requirements.

Workbook: <http://usscouts.org/mb/worksheets/Electricity.pdf>

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Electronics

Electronics is the science that controls the behavior of electrons so that some type of useful function is performed. Today, electronics is a fast-changing and exciting field.

Maximum number of participants: 14

https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Electronics.pdf

NOTE: Prerequisites:

6. Find out about three career opportunities in electronics that interest you. Discuss with and explain to your counselor what training and education are needed for each position.

MB178 9-3:30 PM



Nuclear Science

Nuclear science gives us a simple explanation of the natural world. The ultimate goal of nuclear science is to find out if there is one fundamental rule that explains how matter and forces interact. Earning the Nuclear Science merit badge is a chance for Scouts to learn about this exciting field at the cutting edge of science today.

Maximum number of participants: 14

https://filestore.scouting.org/filestore/merit_badge_reqandres/nuclear_science.pdf

NOTE: No Prerequisites

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Plumbing

Plumbing, including pipe fitting, is an important and well-paid occupation. The industry is quite broad. It covers installations and repairs in homes, commercial properties, and factories. Plumbing pipelines are used for water supply, waste drainage, natural-gas heating, and many other purposes.

Maximum number of participants: 10

https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Plumbing.pdf

NOTE: No Prerequisites

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Radio

Radio is a way to send information, or communications, from one place to another. Broadcasting includes both one-way radio (a person hears the information but can't reply) as well as two-way radio (where the same person can both receive and send messages).

Maximum number of participants: 14

https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Radio.pdf

NOTE: No Prerequisites

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Robotics

Earning the Robotics merit badge requires a Scout to understand how robots move (actuators), sense the environment (sensors), and understand what to do (programming); he should demonstrate robot design in building a robot. You should help ensure that the Scout has sufficiently explored the field of robotics to understand what it is about, and to discover whether this may be a field of interest for him as a career.

Maximum number of participants: 14

https://filestore.scouting.org/filestore/merit_badge_reqandres/robotics.pdf

NOTE: No Prerequisites