



Event Overview

Building Momentum is hosting a few events for Scouts BSA to earn Welding and Composite Materials merit badges! The events are at Building Momentum's workshop in Alexandria, VA. They have 4 sessions across 4/23 - 5/21; registration is here: <https://scoutingevent.com/082-buildMoSTEM>

Class Overview

All of the classes balance instruction with hands-on shop time so the youth can gain practical experience with Welding and Composite Materials. In order to maximize their workshop experience and project time, youth are asked to come prepared with the following pre-reqs:

Welding Pre-requisites

- Requirements: 1a-b
 - *We recommend that scouts earn the First Aid MB in advance, but at a minimum, please come prepared to demonstrate first aid knowledge as it requires to Welding MB requirements 1a-b.*
- Requirement: 5a
 - *One of the processes that scouts research should be MIG welding.*

Composite Materials Pre-requisites

- Requirement: 1a-c

Merit Badge Completion/Follow-Up/What to Expect:

- Scouts are responsible for obtaining scoutmaster approval prior to beginning a merit badge; please defer to your troop's protocols.
- There will be a few post-requisites:
 - **Post requisites for Welding:** 3, 4, 7a-b
 - **Post requisites for Composite Materials:** 2a-b, 3c, 4a, 6
 - The BuildMo event facilitates the first part of 4a, as scouts will be treated to a tour of their manufacturing area. The post req part of 4a is to write/communicate a few sentences about what they learned after the BuildMo event.
- The deadline to submit scout workbooks with the post-reqs for review will be 3 weeks **after** each respective event date. Completion letters/partial letters will be emailed to scouts 2 weeks after that (ie. May 28 and June 25). If your unit requires a blue card, please let us know by email after the event, and we can work with you.

Questions? Email: stem@ncacbsa.org Phone: 240.395.0601

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