



## Composite Materials Merit Badge



### Expectations

Read and Review **ALL** requirements prior to the class

Even though a requirement may be identified as one to be done in class, Scouts are still expected to familiarize, review, and prepare for the requirement – BE PREPARED!

Active interaction/participation is expected and mandatory.

Share in your own words – avoid reading your answers.

Pay attention to the action verbs.

Bring proof of completion (even partially completed work)



### Things to Remember to Bring

1. Your BSA ID# and /or your Merit Badge Blue Card properly filled out and signed off by your Scout Leader
2. Scout Uniform
3. Notes and Questions from reading the Composite Materials Merit Badge Pamphlet
4. Scouts should consider bringing a smock or an old shirt for in-class project work
5. **IN-PERSON CLASS:** Appropriate outdoor weather clothing for the forecasted weather conditions (some/all components of the class will take place outdoors)
6. Supporting documentation or project work pertinent to this merit badge which may also include a Merit Badge Workbook for reference with notes.
7. A positive Scouting focus and attitude

### Contact Scoutmaster Bucky



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## Composite Materials Merit Badge

### Requirements Insight

**IN-PERSON CLASS:** It must be noted that some requirements may take place outdoors and Scouts should attend with outdoor gear appropriate for the time of year, location, and forecasted weather conditions.

**PLEASE NOTE THAT THE IMPROPER HANDLING OR MANAGEMENT OF COMPOSITE MATERIALS CAN BE DANGEROUS AND ANYONE NOT ACTING IN A MANNER THAT PROVIDES A SAFE WORKING ENVIRONMENT MAY BE ASKED TO LEAVE THE CLASS**

Requirements	Expectations
1, 2, and 6	<p>If you have prepared ahead of time, you will be able to successfully complete these requirements during the class.</p> <ul style="list-style-type: none"><li>• Time will be allotted for those Scouts who have prepared to share their work for sign off consideration</li></ul>
3	<p>This requirement will require a bit of research to be prepared for the class.</p> <ul style="list-style-type: none"><li>• You will need to research the different materials and resins used in composites as well as their characteristics and uses.</li><li>• Additionally, you will need to find the Safety Data Sheets (SDS) for each of the materials or resins you select. Be sure to include these in your materials to bring for the class. You will need these in order to receive sign off consideration during the class.</li></ul>
4	<p>There are two options for Requirement 4, of which YOU MUST CHOOSE 1.</p> <ul style="list-style-type: none"><li>• Regardless of which one you choose to complete for Requirement 4, you will need to be prepared to share your experience or your findings during the class for sign off consideration.</li></ul>
5	<p>Be sure to review the merit badge pamphlet for a more comprehensive understanding on these requirements and components.</p> <ul style="list-style-type: none"><li>• While the instructor / counselor will facilitate this requirement and its corresponding project work, Scouts are still required to have a working knowledge of the projects and objectives for this requirement AND they must successfully complete these projects to the satisfaction of the merit badge counselor / instructor.</li></ul>

**Merit Badge Workbooks are a tool to aid Scouts with their work preparation. BSA discourages — but does not ban — the use of any merit badge worksheets or workbooks. Merit badge counselors must NEVER require the use of merit badge worksheets or workbooks and may if they choose, refuse to accept them. Scouts shall not be required to use ANY of these to complete a merit badge.**