

SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

2024 Edition



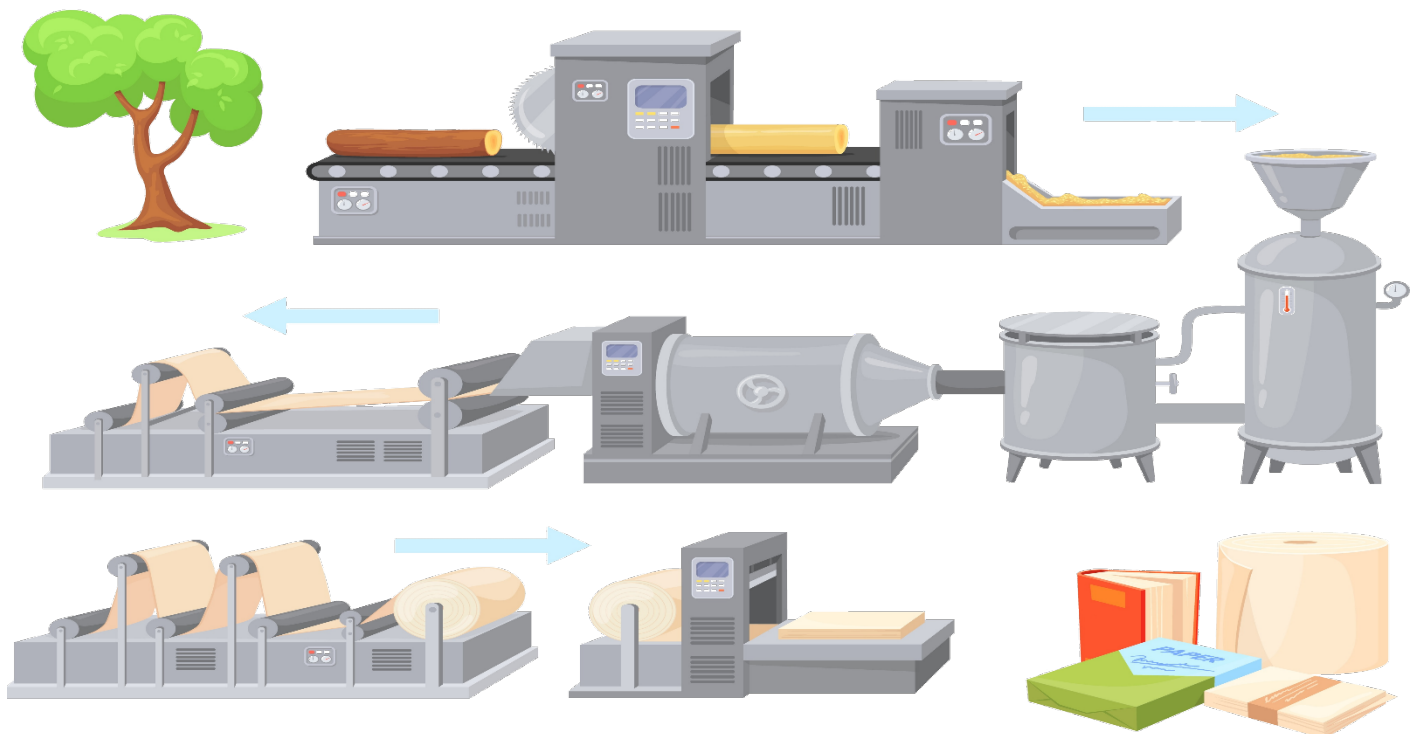
Expectations

- 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. Pulp and Paper Merit Badge Pamphlet
3. Scout Uniform
4. Consider bringing a smock or an old work shirt for in-class project work.
5. Supporting documentation or project work pertinent to this merit badge which may also include a Merit Badge Workbook for reference with notes.
6. A positive Scouting focus and attitude





SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

Requirements Insights

Req	Expectation(s)
1	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. <ul style="list-style-type: none">• Time will be allotted for those Scouts who have prepared to share their work for sign off consideration.
2	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. <ul style="list-style-type: none">• Review this requirement ahead of time to help formulate how you will answer during class discussion.
3	<ul style="list-style-type: none">• While this requirement will be completed during the class, Scouts are encouraged to prepare ahead of time to ensure sign off on this requirement during the class.
4	<ul style="list-style-type: none">• 4a and 4b, review these ahead of time to help formulate how you will answer during class discussion.• 4c will be completed as a part of the class.
5	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. <ul style="list-style-type: none">• Time will be allotted for those Scouts who have prepared to share their work for sign off consideration.
6	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. <ul style="list-style-type: none">• Gather your 10 samples and bring them with to class.
7	<ul style="list-style-type: none">• This requirement will be completed during the class.
8	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. <ul style="list-style-type: none">• Time will be allotted for those Scouts who have prepared to share their work for sign off consideration.

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.





SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

PULP AND PAPER MERIT BADGE WORKBOOK

REQUIREMENT 1: Tell the history of papermaking.

Notes:

REQUIREMENT 1: Describe the part paper products play in our society and economy.

Notes:



SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

REQUIREMENT 2a: Describe the ways the industry plants, grows, and harvests trees.

Planting:

Growing:

Harvesting:



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Pulp and Paper Merit Badge

REQUIREMENT 2b: Explain how the industry manages its forests so that the supply of trees keeps pace with the demand.

Notes:

REQUIREMENT 2c: Tell how the industry has incorporated the concepts of sustainable forest management (SFM).

Notes:



SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

REQUIREMENT 2d: Describe two ways the papermaking industry has addressed pollution.

Pollution Solution #1:

Pollution Solution #2:

REQUIREMENT 3: Name at least four types of trees that are major sources of papermaking fibers.



Tree #1:

Tree #2:

Tree #3:

Tree #4:



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Pulp and Paper Merit Badge

REQUIREMENT 3a: Discuss what other uses are made of the trees and the forestland owned by the pulp and paper industry.

Other usus made of the trees:

Other usus made of the forestland:

REQUIREMENT 3b: Describe two ways of getting fibers from wood, and explain the major differences between them.

One way of getting fibers from wood:

Another way of getting fibers from wood:

Major differences between each:



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Pulp and Paper Merit Badge

REQUIREMENT 3c: Tell why some pulps are bleached, and describe the process.

Why some pulps are bleached:

Describe the pulp bleaching process:



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Pulp and Paper Merit Badge

REQUIREMENT 4: Describe how paper is made.

Notes:

REQUIREMENT 4: Discuss how paper is recycled.

Notes:

REQUIREMENT 4: Make a sheet of paper by hand.

This requirement will be completed as a part of the class.



SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

REQUIREMENT 5: Explain what coated paper is and why it is coated.

What coated paper is:

Why is it coated:

REQUIREMENT 5: Describe the major uses for different kinds of coated papers.

Notes:

REQUIREMENT 5: Describe one other way that paper is changed by chemical or mechanical means to make new uses possible.

Notes:



SCOUTMASTER BUCKY

Pulp and Paper Merit Badge

REQUIREMENT 6: Make a list of 15 pulp or paper products found in your home. Share examples of 10 such products with your counselor.

	Pulp and Paper Products	Have Example
1	_____	<input type="checkbox"/>
2	_____	<input type="checkbox"/>
3	_____	<input type="checkbox"/>
4	_____	<input type="checkbox"/>
5	_____	<input type="checkbox"/>
6	_____	<input type="checkbox"/>
7	_____	<input type="checkbox"/>
8	_____	<input type="checkbox"/>
9	_____	<input type="checkbox"/>
10	_____	<input type="checkbox"/>
11	_____	<input type="checkbox"/>
12	_____	<input type="checkbox"/>
13	_____	<input type="checkbox"/>
14	_____	<input type="checkbox"/>
15	_____	<input type="checkbox"/>

DO ONE OF THE FOLLOWING (7A, 7B, 7C, 7D, or 7E) FOR REQUIREMENT 7

- REQUIREMENT 7a:** Visit a pulp mill. Describe how the mill converts wood to cellulose fibers.
- REQUIREMENT 7b:** Visit a paper mill and get a sample of the paper made there. Describe the processes used for making this paper. Tell how it will be used.
- REQUIREMENT 7c:** Visit a container plant or box plant. Describe how the plant's products are made.
- REQUIREMENT 7d:** Visit a recycled paper collection or sorting facility. Describe the operations there.
- REQUIREMENT 7e:** Using books, magazines, your local library, the internet (with your parent's permission), and any other suitable research tool, find out how paper products are developed. Find out what role research and development play in the papermaking industry. Share what you learn with your counselor.

This requirement will be completed as a part of the class.



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Pulp and Paper Merit Badge

REQUIREMENT 8: Find out about three career opportunities in the papermaking industry that interest you.

Career Opportunity #1:

Career Opportunity #2:

Career Opportunity #3:

REQUIREMENT 8: Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor.

Selected Career Opportunity:

Educational Requirements:

Training Requirements:

Experience Requirements:

REQUIREMENT 8: Explain why this profession might interest you.

Notes: