



Pulp and Paper Merit Badge Workbook

SCOUTMASTER BUCKY

Scouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Pulp and Paper merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations.

<https://scoutmasterbucky.com/merit-badges/pulp-and-paper/pulp-and-paper-pamphlet.pdf>

<https://scoutmasterbucky.com/merit-badges/pulp-and-paper/pulp-and-paper-cpp.pdf>

REQUIREMENT 7 REQUIRES COUNSELOR APPROVAL.

REQUIREMENT 7 REQUIRES PARENT / GUARDIAN APPROVAL.

REQUIREMENT 1: Tell the history of papermaking.

Notes:

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

Notes:



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

Planting:

Growing:

Harvesting:



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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:



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

Other uses made of the trees:

Other uses made of the forestland:



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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 difference between each way:



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REQUIREMENT 3c: Tell why some pulps are bleached.

Notes:

REQUIREMENT 3c: Describe the process of bleaching pulps.

Notes:



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.

Consider using the [Pulp and Paper Merit Badge Pamphlet](#) for preparation information

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!



REQUIREMENT 5: Explain what coated paper is.

Notes:

REQUIREMENT 5: Explain why paper is coated.

Notes:

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:



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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"/>



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REQUIREMENT 7: With your parent or guardian's and counselor's approval, do ONE of the following:

COUNSELOR APPROVAL: IS REQUIRED.

Counselor's Name

Phone or Email

Counselor's Signature

Date

approved

☐ 7A ☐ 7B ☐ 7C ☐ 7D ☐ 7E

PARENT/GUARDIAN APPROVAL: IS REQUIRED.

Parent's / Guardian's Name

Phone or Email

Parent's / Guardian's Signature

Date

approved

☐ 7A ☐ 7B ☐ 7C ☐ 7D ☐ 7E

REQUIREMENT 7a: Visit a pulp mill.

Pulp Mill Name and Location:

Date and Time of Visit:

Who did you meet with (Name and Title):

Notes:



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REQUIREMENT 7a: Describe how the mill converts wood to cellulose fibers.

Notes:

REQUIREMENT 7b: Visit a paper mill and get a sample of the paper made there.

Paper Mill Name and Location:

Date and Time of Visit:

Who did you meet with (Name and Title):

As a part of completing this requirement you will need the sample you obtained.
Make sure you have this ready to share when you meet with the merit badge counselor.

REQUIREMENT 7b: Describe the processes used for making this paper.

Notes:

REQUIREMENT 7b: Tell how this paper will be used.

Notes:



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REQUIREMENT 7c: Visit a container plant or box plant.

Container / Box Plant Name and Location:

Date and Time of Visit:

Who did you meet with (Name and Title):

REQUIREMENT 7c: Describe how the plant's products are made.

Notes:



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REQUIREMENT 7d: Visit a recycled paper collection or sorting facility.

Recycled Paper Collection / Sorting Facility Name and Location:

Date and Time of Visit:

Who did you meet with (Name and Title):

REQUIREMENT 7d: Describe the operations there.

Notes:



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REQUIREMENT 7e: Using books, magazines, your local library, the internet (with your parent or guardian'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.

Please document the sources you used or will use:

How paper products are developed:

What role research and development play in the papermaking industry:



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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:

Education Requirements:

Training Requirements:

Experience Requirements:

REQUIREMENT 8: Explain why this profession might interest you.

Notes: