



Pulp and Paper Merit Badge Workbook

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Scouts participating in a Scoutmaster Bucky merit badge opportunity (online or in-person), should consider using the Pulp and Paper merit badge class preparation pages for clarifications, insights, and expectations.

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

Requirements 7a, 7b, 7c, 7d, and 7e require parent / guardian approval ahead of time.

Requirements 7a, 7b, 7c, 7d, and 7e require counselor approval ahead of time.

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 differences between each:



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REQUIREMENT 3c: Tell why some pulps are bleached

Notes:

REQUIREMENT 3c: Describe the process of bleaching pulps.

Notes:



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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 should be reviewed with your merit badge counselor.

BE PREPARED!



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REQUIREMENT 5: Explain what coated paper is

Notes:

REQUIREMENT 5: Explain why coated 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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DO ONE OF THE FOLLOWING (7A, 7B, 7C, 7D, or 7E) FOR REQUIREMENT 7

REQUIREMENT 7a: Visit a pulp mill.

Pulp Mill Name and Location:

Date and Time of Visit:

Who did you meet with (Name and Title):

Parent's Name

Phone or Email

Parent's Signature

Date *approved*

Counselor's Name

Phone or Email

Counselor's Signature

Date *approved*

Notes:



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

Notes:



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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):

**Don't forget to get a sample of the paper made at this mill.
BE PREPARED!**

Parent's Name

Phone or Email

Parent's Signature

Date *approved*

Counselor's Name

Phone or Email

Counselor's Signature

Date *approved*

Notes:



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

Notes:

REQUIREMENT 7b: Tell how it (the paper made at this mill) 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):

Parent's Name

Phone or Email

Parent's Signature

Date *approved*

Counselor's Name

Phone or Email

Counselor's Signature

Date *approved*

Notes:



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REQUIREMENT 7c: Describe how the (container or box) plant's products are made.

Notes:



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

Recycled Paper Collection or Sorting Facility Name and Location:

Date and Time of Visit:

Who did you meet with (Name and Title):

Parent's Name

Phone or Email

Parent's Signature

Date *approved*

Counselor's Name

Phone or Email

Counselor's Signature

Date *approved*

Notes:



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REQUIREMENT 7d: Describe the operations at the recycled paper collection or sorting facility

Notes:



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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.

Parent's Name

Phone or Email

Parent's Signature

Date

approved & permission

Counselor's Name

Phone or Email

Counselor's Signature

Date

approved

Please document the sources you used or will use:



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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:

Educational Requirements:

Training Requirements:

Experience Requirements:

REQUIREMENT 8: Explain why this profession might interest you.

Notes: