



Pulp and Paper

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: [Online Resources](#).
Send comments to: craig@craiglincoln.com. Requirements revised: 2006, Workbook updated: January 2008.

Scout's Name: _____ Unit: _____

Counselor's Name: _____ Counselor's Ph #: _____

1. Tell the history of papermaking. _____

Describe the part paper products play in our society and economy. _____

2. List the trees that are the major sources of papermaking fibers. _____

Then discuss what other uses are made of the trees and of the forestland owned by the pulp and paper industry. _____

Describe the ways the industry plants, _____

grows, _____

and harvests trees. _____

Explain how the industry manages its forests so that the supply of trees keeps pace with the demand, _____

and tell about one way the industry has incorporated a sustainable forestry concept. _____

Give two ways the papermaking industry has addressed pollution. _____

3. Describe two ways of getting fibers from wood, and explain the major differences. _____

Tell why some pulps are bleached, _____

and describe this process. _____

4. Describe how paper is made. _____

Discuss how paper is recycled. _____

Make a sheet of paper by hand. _____

5. Explain what coated paper is _____

and why it is coated. _____

Describe the major uses for different kinds of coated paper. _____

Describe one other way that paper is changed by chemical or mechanical means to make new uses possible? _____

6. Make a list of 15 pulp or paper products found in your home. _____

Share examples of 10 such products with your counselor. _____

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

a. Visit a pulp mill. Describe how the mill converts wood to cellulose fibers. _____

b. 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. _____

c. Visit a container plant or box plant. Describe how the plant's products are made. _____

d. Visit a recycled paper collection or sorting facility. Describe the operations there. _____

e. 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. _____

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

Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you. _____

Online Resources *(Use any Internet resource with caution and only with your parent's or guardian's permission.)*

- Merit Badge Workbooks:** usscouts.org -or- meritbadge.org ► **Merit Badge Books:** www.scoutstuff.org
- Boy Scouts of America: <http://www.scouting.org/> ► [Requirements](#) ► [Intro to Merit Badges](#) ► [Guide to Safe Scouting](#)
- American Forest and Paper Association: <http://www.afandpa.org>
- Robert C. Williams Paper Museum: <http://www.ipst.gatech.edu/amp>
- Society of American Foresters: <http://www.safnet.org>
- Society of Wood Science and Technology: <http://www1.fpl.fs.fed.us/swst/index.html>
- Technical Association of the Pulp and Paper Industry: <http://www.tappi.org/paperu>
- Wisconsin Paper Council: <http://www.wipapercouncil.org>