



Engineer

Webelos Activity Workbook

This workbook is not required but is designed to help you with this activity badge. No one can add or subtract from the Boy Scout Requirements. Use page backs & add pages as needed. Please send comments to: craig@craiglincoln.com. Workbook updated: December 2005.

Scout's Name: _____ **Pack:** _____ **Activity Badge Counselor:** _____

Do both of these:

1. Talk to an engineer, surveyor, or architect in your area about the _____

Different occupations in engineering. Create a list that tells what they do.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

2. Draw a floor plan of your house. Include doors, windows, and stairways.

And do four of these:

3. Visit a construction job. Look at a set of plans used to build the facility or product. Tell your Webelos den leader about these. (Get permission before you visit.) _____

4. Visit a civil engineer or surveyor to learn how to measure the length of a property line. _____

Explain how property lines are determined. _____

5. Tell about how electricity is generated and then gets to your home. _____

6. Construct a simple working electrical circuit using a flashlight battery, a switch, and a light. _____

7. Make drawings of three kinds of bridges and explain their differences. Construct a model bridge of your choice.

8. Make a simple crane using a block and tackle and explain how the block and tackle is used in everyday life. _____

9. Build a catapult and show how it works. _____

10. While you are a Webelos Scout, earn the Cub Scout Academics belt loop for Mathematics. *(All boys may earn belt loops and pins more than once...Cub Scout Academics and Sports Program Guide p. 4)* _____

As you complete your Webelos work, notice the Boy Scout Requirements:

Look at the Engineering Merit Badge Requirements...