

SKILLED TRADES CAREER ACHIEVEMENT AWARD

Skilled Trades Achievements

Name: _____

(Certification: Adult leaders must initial and date each completed achievement.)

Do nine of the following:

1a. Identify five different kinds of wood and state each wood's characteristics and suitability for different purposes.

1b. Make a tabletop display or presentation on this subject to your post, another post, or a community youth group.

Completed _____

2a. Learn how to use five different hand tools and demonstrate their use to a group.

2b. Demonstrate the safe use of common power tools, such as an electric drill, power saw, sander, or nail gun.

2c. Learn and demonstrate important safety features of various power tools.

Completed _____

3a. Learn how and then demonstrate how to properly care for tools.

3b. Learn how to sharpen a chisel or plane.

3c. Learn how to sand wood manually and with a power sander.

3d. Learn how to make a simple 45-degree miter cut, and then learn how to make a compound miter cut.

Completed _____

4a. Build a shelf, birdhouse, flower box, or other wood project using hand tools.

4b. Lead a community youth group, school class, or day-care center group in building a wood project.

Completed _____

5a. Learn and demonstrate how to read blueprints.

5b. Design a blueprint for a personal project or help another Explorer or youth develop a blueprint.

Completed _____

6a. Tour a residential or commercial job site to watch carpenters at work, or work as an assistant for a day.

OR

6b. Work on a construction project, such as one for Habitat for Humanity.

Completed _____

7a. Learn and demonstrate mechanical drawing skills by making detailed drawings of a mechanical device.

7b. Visit a drafting company that uses a computer-aided design (CAD) system to see how computers are used in design work.

Completed _____

8a. Make a schematic drawing that explains how hot and cold water pipes work in your home.

8b. Learn how to protect pipes from freezing in cold weather.

8c. Learn the advantages and disadvantages of using PVC and copper pipe for plumbing purposes. Determine code requirements for using these materials in your area.

8d. Make a tabletop display or presentation for a group on this subject.

Completed _____

9a. Arrange a tour of a Federal Aviation Administration (FAA) facility.

9b. After the tour, lead a post discussion on the function and job requirements of that facility.

Completed _____

10a. Learn how manual and automatic automobile transmissions work.

10b. Learn how the entire drive train of an automobile works.

Completed _____

11a. Take down and reassemble a carburetor or equivalent part.

11b. Learn the function of several different tools mechanics use, including computer diagnostic equipment.

Completed _____

12a. Develop a plan to use your acquired skilled trades' skills to help your community, such as building or fixing something in a day-care center, school, or community center.

OR

12b. Use your skilled trades' skills as a volunteer on a Habitat for Humanity project or similar construction project.

Completed _____

13. Explain 10 electrical terms, such as *volt, ampere, watt, ohm, resistance, potential difference, rectifier, rheostat, conductor, ground, circuit, or short circuit.*

Completed _____

14. Attend a regional or national skilled trades career conference as either a staff member or a participant.

Completed _____

Resources

Explorer Leader Handbook (No. 34637A) and Learning for Life Web site (www.learning-for-life.org)

Qualifying Achievements

Because of the design and flexible nature of the program, Advisors and adult leaders are permitted a reasonable degree of latitude in substituting appropriate achievements that serve to meet the qualifying requirements for the Learning for Life Career Achievement Award.

Requirements

Explorers or Learning for Life participants can earn any Career Achievement Award in one or all of the 12 career clusters. To earn a Career Achievement Award, the candidate must provide *50 hours of community service and complete any nine career achievements*. The Explorer post Advisor or adult high school Learning for Life group leader certifies that each Explorer or Learning for Life participant has satisfactorily performed 50 hours of community service and verifies that each candidate has completed at least nine achievements within the career cluster.