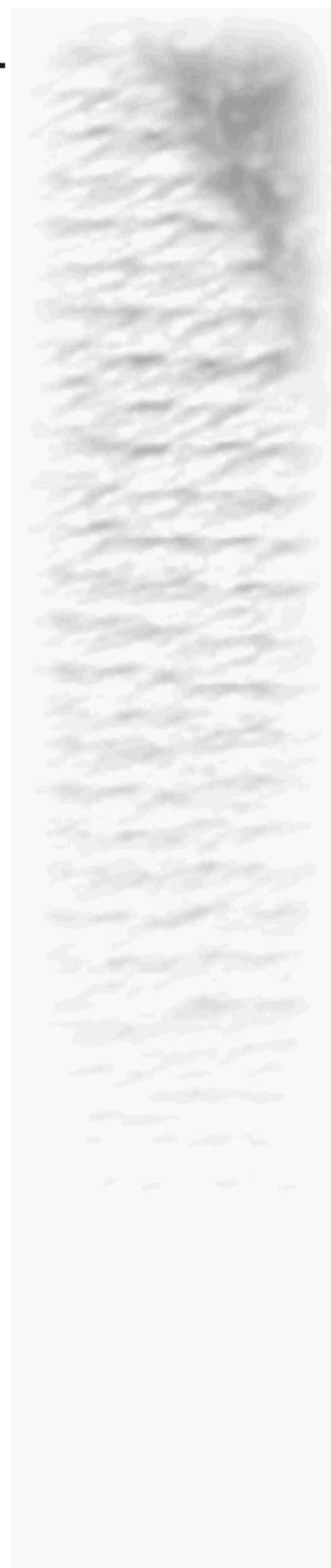


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References/Resources

To list specific books or addresses will make this Honors Handbook out of date almost before it is printed or with in a very short time. Therefore, the following list of suggestions will help you as you prepare to complete or teach the honors listed in this section.

- Encyclopedia
- Encyclopedia of Associations—R,060,E56
- Government Agencies (City, County, State, and Federal)
- Internet
- Libraries - school, church, local city
- Lumber Yards
- Magazines & Catalogs
- Radio Station
- Shorthand Specialty Courses
- Skilled Professional (Auto Mechanic, Electrician, Painter, Printers, etc.)
- Specialty Stores (Aquatic, Camping, Craft, Hobby, Ski, etc.)
- Stores (Computer, Paint, etc.)

Technician Master: Requirements

- | | | |
|--|---|-----------------|
| ● Accounting | ● Electricity | ● Shoe Repair |
| ● Automobile Mechanics and/or Advanced | ● Forestry | ● Shorthand |
| ● Barbering/Hairstyling | ● Fire Safety | ● Small Engines |
| ● Bible Evangelism | ● House Painting - Exterior and/or Interior | ● Teaching |
| ● Bookbinding | ● Journalism | ● Typewriting |
| ● Bookkeeping | ● Masonry | ● Upholstery |
| ● Carpentry | ● Paperhanging | ● Welding |
| ● Christian Sales Principles | ● Plumbing | ● Woodworking |
| ● Communications and/or Advanced | ● Printing | |
| | ● Radio and/or Advanced | |
| | ● Radio Electronics | |

Earn seven of the following honors:



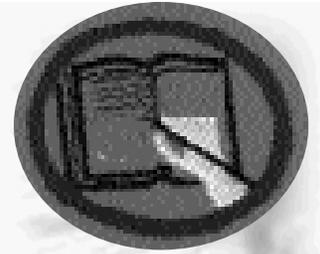
Accounting

Complete a high school or college course in accounting or the following requirements:

1. Show transactions necessary for acquisition or deposit of assets, and acquisition and disposal of liability. Show transactions necessary to close income and expense accounts at year end.
2. Be able to correctly classify balance sheet items with short term asset, long term asset, contra asset, short term liability, long term liability, and equity.
3. Be able to write an income statement from a trial balance.
4. Be able to reconcile bank balance to book balance in checking accounts, including deposit in transit, service charge, returned NSF, interest on account, and checks in transit.

Skill Level 3

Original Honor 1938



Automobile Mechanics

1. Properly start an automobile or light truck engine with an automatic transmission and one with a standard transmission. Explain why it is necessary for the engine to have the proper oil, water, fuel, and battery pressures and levels for proper engine operation.
2. Explain the principles of four- and two-cycle engines and the difference between gasoline and diesel engines. Explain the major differences between carburetor fuel systems and fuel-injection systems.
3. Describe the construction of a typical gasoline engine and explain briefly the function of these units:
 - a. Engine: crankshaft, connecting rods, pistons, camshaft, valves, oil pump, carburetor, fuel injectors, ignition distributor, fuel distributor, electrical system including alternator, battery, and regulator
 - b. Difference between standard transmission and automatic transmission and how the engine torque is transmitted to both kinds of transmissions; the purpose of overdrive
 - c. Difference between rear wheel drive and front wheel drive
 - d. Difference between drum brakes and disk brakes, standard brakes and power brakes, and the parking brake
4. Perform typical automotive maintenance as listed below:
 - a. Check engine and transmission oil levels.
 - b. Check water/anti-freeze level. Change and flush the cooling system.
 - c. Change engine oil and filter.
 - d. Change a tire/wheel assembly, following proper safety procedure.
 - e. Lubricate the chassis according to the vehicle service manual.
5. How often should the engine oil, transmission oil, and cooling fluid be changed?
6. Give some pointers on proper care of the vehicle and its finish, both interior and exterior.

Skill Level 2

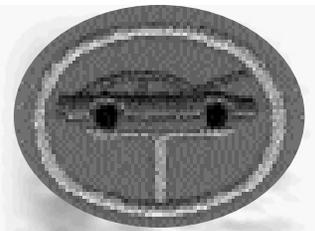
Original Honor 1928

Automobile Mechanics, Advanced

1. Have the Automobile Mechanics Honor
2. Disassemble, inspect, and reassemble an automobile or light truck engine. Replace any defective or worn parts. Rebuild, start, and operate the vehicle. Keep a complete log of events during the overhaul.
3. Remove and replace a standard or automatic transmission assembly.
4. Rebuild the brake assembly on an automobile or light truck, following proper safety procedures. Demonstrate proper brake bleeding and adjustment. Properly repack a wheel bearing.
5. Perform a minor tune-up, including the replacement of spark plugs and visually checking the electrical system.

Skill Level 3

Original Honor 1964

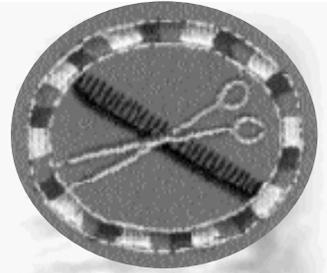


Barbering/Hairstyling

1. Spend a minimum of five hours observing a licensed master barber/hairstylist while at work.
2. Name three essentials in the care of hair.
3. Demonstrate the ability to give a shampoo correctly.
4. Be able to explain and demonstrate at least two methods of cutting hair.
5. Explain and demonstrate the purpose of at least two different kinds of combs used in cutting hair.
6. Explain and demonstrate the purpose of two different kinds of scissors.
7. Explain and demonstrate at least two purposes for the use of a clipper.
8. Write 500 words on what you learned during your apprenticeship.

Skill Level 3

Original Honor 1938



Bible Evangelism

1. Be in at least the eighth grade.
2. Go on a visit with your pastor to a Bible study, a hospital visit, and a visit to a church member.
3. Arrange with your pastor to attend a church board meeting and a church business meeting. Make a written report of your visits to both meetings.
4. List the steps in church organization from the member to the General Conference and know their relationship to each other.
5. Find out what your church spends money on and what percentage of the budget goes to what expenses.
6. Write a report of an interview with your pastor in which you asked him the following questions:
 - a. What is your daily routine like?
 - b. What is your weekly routine like?
 - c. What education is required to become a minister?
 - d. What education outside of theology would complement a minister?
 - e. From what source is the pastor paid?
 - f. What is the most rewarding part of your ministry?
 - g. What is the hardest part of your ministry?
 - h. What are beneficial vocations for a pastor's wife to have?
 - i. How did you know that God called you to the ministry?
 - j. How would I know if God were calling me to the ministry?
 - k. How do you do soul winning?
 - l. How does evangelism enter into your soul winning?
 - m. What advice would you give to someone who was thinking about becoming a minister?
7. Do two of the following:
 - a. Participate in the presentation of a youth evangelistic series.
 - b. Give two Bible studies.
 - c. Make four hospital visits, presenting a devotional thought and prayer at each one.
 - d. Give a sermon of at least 20 minutes in length.
 - e. Give two evening and two morning devotionals for a camp out.
 - f. Give devotional worships for five days at a school.
 - g. Earn the Pathfinder Evangelism Award.

For your choice of the above, a thorough preparation is needed. Where applicable, outlines or memorized material should be used. A reading of the presentation is not permitted.
8. Through Bible and the writings of Ellen G. White study and learn how Jesus treated crowds of people in ministering to them.
9. Show that you have a personal daily devotional life for at least six months.

Skill Level 2

Original Honor 1938

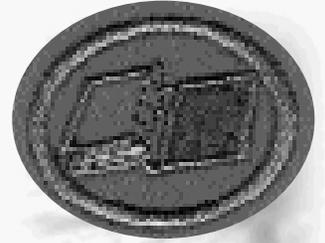


Bookbinding

1. Be able to identify the following terms:
 - a. Foreedge
 - b. Gutter
 - c. Endsheets
 - d. Flysheet
 - e. Signature
 - f. Mull
 - g. Backbone
 - h. Head
 - i. Foot
 - j. Deckle edge
 - k. Guarding sheets
 - l. Headbanding
 - m. Casing-in
 - n. Buchram
2. Describe the difference between the following binding methods:
 - a. Perfect binding
 - b. Hard bound
 - c. Single signature
 - d. Spiral (metal and plastic)
 - e. Saddle stitch
3. Perform the following:
 - a. Bind a single signature hand binding “manuscript”.
 - b. Bind a blank book using at least four signatures and a permanent cloth hard board binding, using a “case” method.
 - c. The proper way to “break in” a new binding.
 - d. Make a “slip case” for your blank book of at least four signatures.
4. Identify and describe the uses for the following binder’s tools:
 - a. Bone folder
 - b. Kick press
 - c. Folding needle
 - d. Awls
 - e. Sewing frame
 - f. Squared card
 - g. Punch
5. Define the difference of paper weight in relationship to a ream of paper.
6. Describe the color and properties of three types of adhesives used in the binding process and where they are used:
 - a. Hot melt animal glue
 - b. Casing-in paste
 - c. Resin glues
7. Know and list the five principal stages of hand binding:
 - a. Preparing the signatures
 - b. Sewing up the signatures
 - c. Gluing up the back
 - d. Attaching the boards (covers)
 - e. Finishing

Skill Level 3

Original Honor 1935



Bookkeeping

1. What is the difference between bookkeeping and accounting?
2. Define the following terms:
 - a. Asset
 - b. Liability
 - c. Credit
 - d. Debit
 - e. Posting
 - f. Trial balance
 - g. Voucher
 - h. Invoice
 - i. Interest
3. What is the difference between double-entry bookkeeping and single-entry bookkeeping?
4. What education is necessary to be a bookkeeper? What other education is helpful to a bookkeeping career?
5. What are some career fields that are related to bookkeeping?
6. Conduct an interview with your church treasurer, asking the following questions:
 - a. How much time do you spend each week at your job as church treasurer?
 - b. What do you do with the money collected in the offering plates?
 - c. How do you keep track of who contributed how much money?
 - d. What money is sent to the conference?
 - e. What money is kept in our local church?
 - f. Are your records ever reviewed by an accountant? How often?
 - g. How do you report the church finances to the church board?
 - h. How do you report the church finances to the conference?

Skill Level 2

Original Honor 1937



Carpentry

1. Describe the function of the following tools:
 - a. Band saw
 - b. Belt sander
 - c. Jig saw
 - d. Miter saw
 - e. Radial arm saw
 - f. Router
 - g. Shaper
 - h. Wood lathe
2. Demonstrate how to use the following tools:
 - a. Block plane
 - b. Circular saw (cut a straight line)
 - c. Framing square
 - d. Hammer
 - e. Hand saw (cut a straight line)
 - f. Level
 - g. Measuring Tape
 - h. Nail set
 - i. Plumb bob
 - j. Wood chisel
3. Describe the use of and distinguish between the following types of nails:
 - a. 20 penny
 - b. 16 penny
 - c. 12 penny
 - d. 8 penny
 - e. 6 penny
 - f. Finish
 - g. Brad
 - h. Roofing
 - i. Screw nail
 - j. Sinker
 - k. Common
 - l. Galvanized
4. Assist in erecting a frame building not less than 6 x 8 feet (1.8 meters x 2.4 meters) in ground dimensions, with a gable roof, and with at least one door and one window, demonstrating ability to measure and use of tools from requirement 2.
5. When building the above project, use all of these features:
 - a. Floor joist
 - b. Sub floor
 - c. Shoe plate
 - d. Top plate
 - e. Double plate
 - f. Conventional roof or trusses
 - g. Felt roof
 - h. Shingles
 - i. Window with weight-bearing header
 - j. Door with weight-bearing header
 - k. Fascia on eaves
 - l. Siding

Note: Participants must be 16 years and older to use power tools.

Skill Level 2

Original Honor 1929



Christian Sales Principles

1. Explain the responsibilities of a Christian salesperson as related to how they treat their customers and boss.
2. List the points in the steps of a sale.
3. Give a statement on how to meet objections.
4. How are the following points valuable to a salesperson?
 - a. Researching the market to see how an item or service will sell
 - b. Proper training and knowledge about the item or service to be sold
 - c. A visit to the plant or home office that produces the item or service
 - d. Follow-up visits with first-time customers
5. Using actual or hypothetical education and experience, write a resume which could be used in applying for a job.
6. Find out what education is most beneficial for a career in sales. What aspects of sales are available to a Christian salesperson?
7. Do one of the following:
 - a. Help raise funds through sales of either services, merchandise, or tickets to a Pathfinder, AY Society, or school activity accounting for more than your proportionate share of the sales.
 - b. Earn money for yourself through the selling of merchandise or a service.
8. Make a practice sales presentation to your counselor, teacher, or parent on the above item that you are selling.
9. Interview a Christian salesperson and a Christian retailer regarding the following points:

For the Salesperson:

- a. Is a lot of traveling involved in the profession of selling?
- b. What other ways does the job of a salesperson affect family life?
- c. How are sales people paid?
- d. What opportunities for advancement are there in sales?
- e. What does the future hold for a career in sales?
- f. How do you get customers?
- g. What do you like the most about your job? The least?
- h. Does being a Christian make a difference in the way you do your job?

For the Retailer:

- a. What type of education and training is helpful for a retail sales career?
- b. What advancement opportunities are available in retail sales?
- c. When you place an order, which do you rely on most, service of the sales person, price, market characteristics, or the quality of the product?
- d. What do you do when a customer complains about an error he thinks your store has made when he is actually the one at fault?
- e. Does being a Christian make a difference in the way you run your store?
- f. What do you like the most about your job? The least?

Skill Level 2

Original Honor 1956
changed to Christian Salesmanship 2001



Communications

1. Do one of the following:
 - a. Send and receive by International Morse Code at the rate of three words per minute using flashlight, whistle, mirror, buzzer, or key. (Five-letter words, minimum of 20 words.)
 - b. Send and receive by semaphore code at the rate of seven words per minute using semaphore flags. (Five-letter words, minimum of 20 words.)
 - c. Send and receive by International Morse Code at the rate of three words per minute using wigwag flags. (Five-letter words, minimum of 20 words.)

Skill Level 2

Original Honor 1953

Communications, Advanced

1. Have the Communications Honor
2. Do one of the following:
 - a. Send and receive by International Morse Code at the rate of eight words per minute using flashlight, whistle, mirror, buzzer, or key. (Five-letter words, minimum of 20 words.)
 - b. Send and receive by semaphore code at the rate of 12 words per minute using semaphore flags. (Five-letter words, minimum of 20 words.)
 - c. Send and receive by International Morse Code at the rate of eight words per minute using wigwag flags. (Five-letter words, minimum of 20 words.)

Skill Level 3

Original Honor 1956



Computer

1. Describe the function of and point out the following components of a personal computer.
 - a. CPU
 - b. Memory (RAM)
 - c. Mother board
 - d. Hard Drive
 - e. External Drive
 - f. Internal Drive
 - g. USB
 - h. Optical Drive
 - i. Input devices
 - j. Monitor
 - k. Keyboard
 - l. Printer
 - m. Mouse
 - n. Modem / Network Card
 - o. Digital Camera
 - p. Scanner
2. Describe the proper handling and storage techniques of disks, CDs, CDR's, DVDs, Flash/USB drives, and other equivalent optical media devices.
3. Explain the difference between read-only, write once, and write-rewrite media. What are examples of each?
4. Determine the following on a computer system:
 - a. Processor speed
 - b. Storage capacity of the hard drive.
 - c. Memory capacity (RAM)
5. What are the advantages of increasing processor speed, hard drive storage capacity and RAM on a computer?
6. List two different types of printers and explain the uses and advantages of each type.
7. Explain how each of the following elements helps protect a computer system. Why is computer safety so important?
 - a. Backup of personal files
 - b. Whole system image backup
 - c. Surge protection
 - d. Internet safety hardware/software
8. Write a 250-word essay or give a three-minute oral report about the history of computers. Include prominent events and personalities that are significant to the development of the computer, both hardware and software. This report should focus on the development of the personal computer, not the internet or other accessory functions related to computing.
9. Spend one week charting the time you spend on a computer. List what time was spent on schoolwork, gaming, online, etc. At the end of the week, evaluate with your counselor, family, or group leader how your management of computer time relates to the Bible's instructions on stewardship of our time and resources (Romans 14:12; Psalms 31:15; Ecclesiastes 31:1-8; Ephesians 5:15-16).
10. Dialogue with a long-term computer user about the advantages/disadvantages of Macs and PCs. Some questions you should ask include:
 - a. What operating system does each use? What are some advantages of that OS?
 - b. What compatibility issues do these two types of computers have in relation to data sharing and program installation?
 - c. What type of industries / careers tend to use each type of computer system?



Skill Level 1

Original Honor 1986

Vocational
General Conference
2001 Edition
Revised 2008

Computer, Advanced

Have the Computer Honor.

1. Give examples of each of the following computer software / media computer components. Explain the role that each plays in an individuals' computer experience:
 - d. Word Processing software
 - e. Presentation software
 - f. Graphic creation software
 - g. Media burning software
 - h. Publication software
 - i. Database creation software
 - j. Spreadsheet software
 - k. Flash media
 - l. Disk media
2. Successfully install and use a software program.
3. Discuss with your unit, group, and/or family the moral issues surrounding software piracy and file sharing. Using biblical support, be able to describe what a Christian's stance and practice should be in this arena and explain the reasons for your answer.
4. Complete four of the following activities, providing print or digital evidence of completion to your instructor.
 - a. Create a letter using a word processing program. Use a merge file to allow the same letter to be sent to five different people, with personalization in each letter (such as name field & address field). Use the letter for a project such as:
 - i. Requesting finances for a mission trip or service activity.
 - ii. Communicating a non-perishable holiday food drive to your community.
 - iii. Describing activities in your Pathfinder club that would be of interest to your local newspaper.
 - iv. Inviting friends and family to a Pathfinder Sabbath or other youth-ministry event.
 - b. Create a database that includes at least 15 records of people that includes at least three other fields (such as addresses, honors earned, phone numbers). Use the database to provide forms that extract their information from the database. Use this information for providing a report such as:
 - i. Tracking which honors have been earned by your club during the current year.
 - ii. Determining the attendance and/or points structure of each pathfinder in your club.
 - iii. Tracking which class level requirements have been completed by each individual in your club or group.
 - iv. Tracking the contacts involved in a year-long service initiative.
 - c. Create a spreadsheet. Use this spreadsheet to do something such as:
 - i. Tracking dues and/or donations to your Pathfinder club
 - ii. Tracking income and expenses for a campout, mission trip, or other group event
 - iii. Tracking unit completion of class level requirements

- d.** Create a two-page newsletter using a publications program. Use multiple columns, in-line graphics, two fonts, appropriate font sizes, and appropriate title and footer information.
Use this newsletter for publishing one newsletter such as:
- i.** Pathfinder newsletter
 - ii.** Church newsletter.
 - iii.** Report from a recent mission trip or service activity.
 - iv.** School publication
- e.** Use a presentation program to create a presentation file containing at least six slides (with text and photos), and demonstrate its function in a full-screen presentation. Use templates, design elements, colors, and transitions as appropriate in your presentation.
Use the presentation in presenting a subject as:
- i.** AY Honor
 - ii.** Class level concept
 - iii.** Sermon
 - iv.** Fundraising
- f.** Using a media burning software program, burn at least fifteen folders and/or files onto burnable media. Verify the media data integrity after the burn is complete.
- g.** Using a graphic creation program modify original digital photographs in the following ways:
- i.** Frame or blur the edges of a photograph
 - ii.** Turn a color photo into a sepia-tone or black-and-white photo
 - iii.** Save a photograph as a different file type than the original
 - iv.** Combine elements from two photos to create a third photograph
 - v.** Add colored text to a digital photo showing multiple font enhancements such as drop shadow, bevel, emboss, and stroke.
 - vi.** Resize a photo so that the finished photo is no larger than 800 pixels wide and no more than 20% of the disk size of the original digital file.

Skill Level 2

Original Honor 1991

Electricity

(Instructor Required)

1. Explain and illustrate an experiment by which the laws of electrical attraction and repulsion are shown.
2. Explain the difference between direct and alternating current, and demonstrate the uses to which each is adapted. Give a method of determining which kind flows in a given circuit.
3. Connect a buzzer, bell, or light with a battery using a switch in line.
4. Make and run a simple electric motor from a kit or take apart a motor and identify the parts, and explain how it works.
5. Make a simple battery cell.
6. Demonstrate ability to replace fuses or reset breakers and demonstrate a National Electric Code (NEC) approved splice using insulated wires.
7. Show how you would rescue a person in contact with a live electric wire, and have a knowledge of the method of reviving a person insensible from shock.
8. Make a simple diagram of a lighting system of an automobile.
9. Make a diagram that properly shows the lights, switches, and convenience outlets controlled by each breaker in a house.
10. Read an electric meter correctly, and compute a residence bill at the rate charged in your community.

Skill Level 1

Original Honor 1929

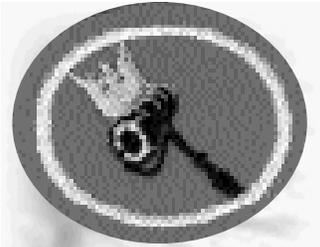


Housepainting—Exterior

1. Know and explain the difference in composition of exterior paints versus interior paints.
2. Tell how to prepare the outside of a house for painting by doing such items as preparation for new and old work, paint removal, priming, puttying, finishing, etc.
3. List ten proper color schemes for house painting (if possible, use color charts from a paint shop in making the display).
4. Tell how to prepare and paint metal properly.
5. Name at least three paint thinners and give their specific uses.
6. Show ability to properly use brush, roller, and spray equipment in outside work.
7. Paint the outside of a house with at least four rooms (if possible, make this a group project for a special-needs person in the church or community).

Skill Level 3

Original Honor 1938



Housepainting—Interior

1. Explain and demonstrate how to prepare and finish new or old woodwork in the following ways:
 - a. Staining
 - b. Varnishing
 - c. Painting
2. Give two methods of stippling.
3. When should a paint spray gun be used?
4. Describe the proper methods for cleaning and care of paint and varnish brushes.
5. Show how to use putty properly.
6. Explain the difference between exterior and interior paints.
7. Make a list of ten proper color schemes for interior house painting using color swatches from a paint shop. Why are bright/loud colors not preferred?
8. Explain the composition of and when you use the following paints:
 - a. Oil based
 - b. Water based
9. Paint the woodwork of at least four rooms.
10. Paint at least one room, showing skill in keeping paint where it belongs.
11. Tell and show how to properly store unused paint.

Skill Level 3

Original Honor 1938



Journalism

1. Describe the elements of a good lead paragraph and the use and importance of headlines.
2. Write a news article of at least three paragraphs, using a good lead paragraph about something interesting that has happened in your church, school, home, or Pathfinder Club.
3. What are the essentials for writing a good story?
4. Know the difference between passive and active verbs, and give three comparative examples.
5. Write to a publisher, requesting story-writing guidelines.**
6. Write a story on one of the following:
 - a. How your family first accepted Christ, whether it was you, your parents, your grandparents, etc.
 - b. Personal experiences of answered prayer or divine guidance.
 - c. An interesting pet that you have had.
 - d. An experience you have had while at summer camp or on a camping trip.
 - e. When God first became real to you as a friend and personal Savior.
 - f. The most difficult thing about being a Christian today.
7. Submit a story or article to a Seventh-day Adventist publication.**
8. Know how to write a cover letter to the editor for submitting your story or article and write a cover letter to the editor to include with your story or article.
9. What education is helpful for getting into the career of journalism?
10. What types of jobs are available for anyone who is interested in journalism?

Note: ** Story-writing guidelines are available free from the Review and Herald Publishing Assn., 55 West Oak Ridge Drive, Hagerstown, Maryland 21740

Note: Good foundation work in grammar is a fundamental must for this honor.

Skill Level 2

Original Honor 1938



Masonry

1. Name at least six materials commonly used by masons in the erection of walls or buildings.
2. Demonstrate ability to use properly a plumb line, line stretcher (chicken legs), level, trowel, s-tool, and mason hammer.
3. Demonstrate a knowledge of building cement characteristics (know how to prevent sweating, cracking, shrinking, crumbling, and loss of strength).
4. Make useable mortar and state proper proportions of ingredients (lime, sand, etc.).
5. Lay a straight stone, brick, or block masonry wall at least four feet (1.2 meters) high and ten feet (3.0 meters) long, including an inside or outside corner (surface must be struck and broomed).
6. Pour a level footing, using hand mixed cement and proper reinforcement.
7. Make the forms and lay a piece of concrete walk or floor, using commercially mixed cement. Finish it and rule it.
8. Write a paragraph describing the behavior of cement; that is, its reaction to water, its adhesive qualities, how long it takes to set, etc.

Note: Working with a master mason will help tremendously in fulfilling the requirements of this honor.

Skill Level 3

Original Honor 1937

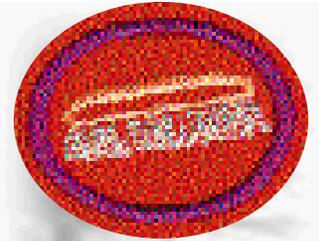


Paperhanging

1. State how to properly choose designs and combinations of wallpaper for the following:
 - a. Living room
 - b. Dining room
 - c. Bedroom
 - d. Bathroom
 - e. Kitchen
 - f. Children's play room
 - g. Church
2. Record in a notebook the answers to the above questions and on #3 include your design, color and material chosen for each room.
3. Show proper wall preparation for paper hanging.
4. Explain how to hang wallpaper. Describe at least two methods. Use one method to paper at least two walls of a home, such as in bedrooms, living rooms, etc. Show proper pattern matching.

Skill Level 3

Original Honor 1938



Plumbing

1. Make a diagram showing the plumbing system of a four-room house which includes fixtures for the kitchen, bathroom, and laundry.
2. Submit two pieces of iron pipe that you have threaded and connected with proper fitting.
3. Submit a repaired plastic (PVC), iron, or copper pipe, and tell how to repair all three.
4. Demonstrate ability to repair a leaky sink faucet and replace or repair toilet flush mechanisms.
5. Describe the proper drainage system of the house in #1 and explain the use of traps and vents.
6. Have a knowledge of the ordinary hot and cold water system of a house and explain how to make the system safe from freezing if the house has to be left without heat during the winter.
7. Diagram at least one type of passive water heating system, such as the use of solar energy.

Skill Level 3

Original Honor 1938



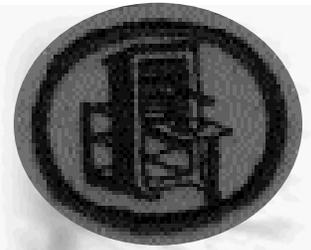
Printing

1. Know how the following printing devices work:
 - a. Web press
 - b. Offset press
 - c. Photocopy machine
 - d. Letterpress
2. Know what the reference of pound means in determining the weight of paper. Know what the following paper types are used for:
 - a. Offset
 - b. Bond
 - c. Cover weight
 - d. Index
3. Tour a print shop or newspaper company. Write a 300-word report or give a three-minute oral report on the steps taken in the printing process that you observed.
4. Do some research to learn about the history of printing. Trace the development of printing by learning how printing presses have progressed to the present.
5. Know the different inks available for printing and their characteristics.
6. Know the meaning of the following terms:

a. Backing up	n. Font
b. Blanket	o. Ghosting
c. Bleed	p. Intaglio
d. Boldface	q. Jog
e. Camera ready art	r. Matte
f. Caption	s. Negative
g. Clip art	t. Paste-up
h. Collate	u. Register
i. Color separations	v. Set-off
j. Contact print	w. Show through
k. Debossing	x. Thermography
l. Embossing	y. Water mark
m. Engraving	z. Work and turn
7. Know the difference between half-tones, duo-tones, and the four-color process.
8. Interview a printer to find out the following:
 - a. What education is needed to get into the printing field?
 - b. What advancement opportunities are available in printing?
 - c. What does the future hold for the printing industry?
 - d. What do you do in your business to keep customers happy?
 - e. What career opportunities related to printing are available?

Skill Level 2

Original Honor 1929



Radio

1. Pass a test and receive your license for the Technical Class Amateur Radio License
OR
Technician Class Amateur Radio License.

Skill Level 2

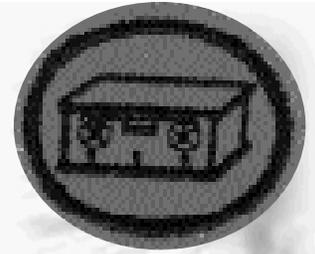
Original Honor 1928

Radio, Advanced

1. Have the Radio Honor
2. Pass a test and receive your license for the General Class Amateur Radio License.

Skill Level 2

Original Honor 1956

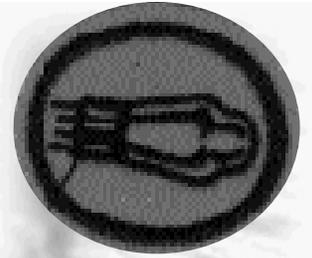


Radio Electronics

1. Identify at least 20 symbols used in electronics.
2. Identify the value of resistors by the color code.
3. Demonstrate proper soldering techniques.
4. Explain use and operation of various important components in electronics such as resistors, variable capacitors, fixed capacitors, coils, transistors, integrated circuits, diodes, and transformers.
5. Know and understand Ohm's law.
6. Determine how to correctly place or pin integrated circuits, transistors, diodes, and capacitors in a circuit board.
7. What is meant by a parallel and a series circuit?
8. From a kit or from scratch make two of the following:
 - a. Photocell guard or counter
 - b. Siren
 - c. Simple voltmeter
 - d. Pressure sensor
 - e. Simple DC power supply
 - f. Simple transistor radio
9. Draw from memory, using proper symbols, the complete wiring diagram of the devices constructed in requirement 8.
10. List ten ways electronics are used in everyday life.

Skill Level 2

Original Honor 1938

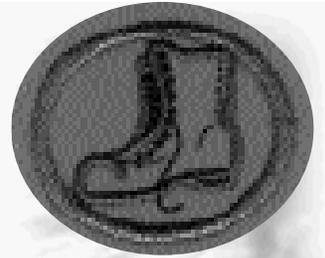


Shoe Repair

1. Name at least five essential parts of a shoe and explain their uses.
2. What is the difference between hand-turned soles, Goodyear welt soles, and McKay sewed soles? Which is the easiest to repair?
3. Properly wax the thread, and with two needles or waxed ends, mend a pair of shoes that have rips in them. Use the double-stitch method of sewing.
4. Satisfactorily half-sole a pair of shoes by nailing the soles on. Make sure the nails are of the proper length.
5. Fit and attach a pair of rubber heels.
6. What kind of leather should be used in repairing the soles of shoes? How is such leather generally tanned?
7. Specify at least three factors that should be taken into account in the selection of shoes.
8. Spend a minimum of five hours observing shoe repair specialists at their work shop.
9. Write or tell the examiners the proper methods of cleaning and caring for shoes.

Skill Level 3

Original Honor 1928



Shorthand

1. Be able to take dictation on new material at 80 words per minute for three consecutive minutes and transcribe accurately the notes taken.
2. Have available a shorthand dictionary (usually provided by course publishers).

Skill Level 3

Original Honor 1929

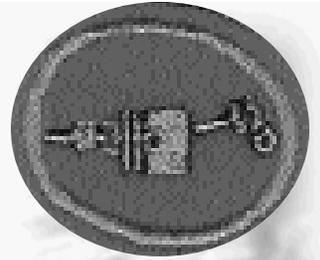


Small Engines

1. Describe the design and operation of the two-cycle engine and the four-cycle engine.
2. Name the parts of the two-cycle engine and tell what each part does.
3. List four basic fuels used in small engines, and explain their use.
4. Show care and safety in fuel handling and storage.
5. Describe three types of ignition systems.
6. Explain why gasoline is an improper cleaning fluid.
7. List two acceptable cleaning fluids for small engines.
8. List and tell how three basic lubrication systems operate.
9. List in order the steps of a general trouble-shooting procedure.
10. Demonstrate that you can overhaul, inspect, and properly tune any small engine.
11. Demonstrate that you know how to test and clean spark plugs and glo plugs.

Skill Level 2

Original Honor 1975



Teaching

1. What education is needed for teaching the following:
 - a. Elementary school
 - b. Secondary school
 - c. College
2. What is re-certification?
3. Interview at least two teachers with the following questions:
 - a. Why did you choose to become a teacher?
 - b. What part of teaching do you like the best?
 - c. What part of teaching do you like the least?
 - d. What do you do to get ready for a school year?
 - e. What do you do to get ready for a school day?
 - f. What teacher-related activities do you do after school is out each day?
 - g. What are some qualities of a good teacher?
 - h. What are the responsibilities and duties of a teacher?
4. Explore the Bible and the book Education by Ellen G. White to learn what teaching methods Jesus used. Present a three-minute oral report on what you learned.
5. If you are 16 years old or younger, do the following for a minimum of 40 minutes per week for three weeks:
 - a. Assist a teacher in designing and preparing a bulletin board.
 - b. Assist a teacher in preparing learning aids.
 - c. With the supervision of a teacher, teach a child or class at least one concept.
6. If you are older than 16 years, do three of the following:
 - a. Teach an adult's or children's Sabbath School class for a minimum of six weeks.
 - b. Teach in one day in each department of Vacation Bible School.
 - c. Teach two Honors from the Honors Handbook.
 - d. Assist in teaching requirements for one of the AY classes, culminating in investiture.
 - e. Teach at least one year in an elementary or secondary school or in a college.

Skill Level 2

Original Honor 1944



Typewriting

1. Show how to clean, type properly and change ribbon on a typewriter.
2. Know the difference between a fabric and a carbon ribbon.
3. Identify the following parts of the typewriter and know their function:
 - a. Frame
 - b. Keyboard
 - c. Space bar
 - d. Backspace key
 - e. Shift keys and lock
 - f. Platen
 - g. Impression control
 - h. Margin stops
 - i. Paper release
 - j. Leverline-space lever
 - k. Line-finder control
 - l. Paper centering scale
 - m. Cardholder
 - n. Paper bail lever
 - o. Pitch selection lever
 - p. Margin release
4. Know how to set tabs for tabulation. Properly type a tabulated page with at least four columns.
5. Show how to center information horizontally and vertically on paper.
6. Show how to construct block and indented style letters.
7. Operate a typewriter at a speed of forty words a minute on new material for five minutes with no more than five errors.

Skill Level 2

Original Honor 1929



Welding

(Instructor Required)

1. Identify all parts of the following:
 - a. Welding and cutting torches
 - b. Oxygen and acetylene gauges and their differences
 - c. Oxygen and acetylene hoses and their differences
 - d. Oxygen and acetylene tanks and their differences
2. Explain the safe working pressures of oxygen and acetylene, as per your instructor's directions, for various procedures.
3. While blindfolded, demonstrate ability to hook up an entire oxyacetylene kit, including tanks, gauges, hoses, and torches, and light the same.**
4. As per your instructor's directions, weld two mild steel test plates (1/8 inch x 1 inch x 8 inches) (0.3 cm x 2.5 cm x 20.3 cm) in horizontal, and vertical positions.
5. Use a cutting torch and demonstrate your skill by making one 12 inches (30.5 cm) straight-line cut, one circle cut of at least 3 inches (7.6 cm) in diameter and one 3 inch (7.6 cm) star cut. The cuts are to be made on mild steel plate at least 1/4 inch (0.6 cm) thick.
6. Demonstrate your ability to braze a cast-iron object with at least 1/4 inch (0.6 cm) double bevel butt weld 2 inches (5 cm) long.
7. Explain the safety precautions and safety equipment normally used in electric welding in relation to eyes, hands, and exposed skin areas. Why should the tank valves never be oiled?
8. Explain the difference between oxyacetylene and electric arc welding.
9. Demonstrate ability to select from an electrode guide the proper amperage and electrode for various types and thicknesses of metal.
10. Demonstrate ability to weld flat, vertical, horizontal, and overhead on (1/8 inch x 1 inch x 8 inches) (0.3 cm x 2.5 cm x 20.3 cm) mild steel test plates.

Note: An instructor is a must. Welding is a very critical and serious skill to learn and is not a home-type course. Welding essentially takes the place of bolts and rivets, and if not properly done, is most dangerous. Example: A trailer hitch not properly bonded, or machinery exposed to the strain of pull or weight, is an invitation to disaster.

Note: ** This requirement demonstrates one's skill in working in darkness, such as in an emergency. All acetylene connection threads are left-handed, while all oxygen connection threads are right-handed.

Skill Level 3

Original Honor 1978



Woodworking

1. Tell how the following processes are related to lumber and how each process is done:
 - a. Growing trees
 - b. Harvesting of trees
 - c. Milling
 - d. Curing
 - e. Seasoning
 - f. Grading
 - g. Sizing
2. Collect and label five different kinds of wood used in woodworking. Tell the advantages and disadvantages of each.
3. List the basic hand and power tools necessary to do woodworking. Know how to safely use each tool and how to keep it in proper working order, including sharpening, if applicable.
4. Explain the following joints:
 - a. Butt
 - b. Dado and groove
 - c. Dovetail
 - d. Dowel
 - e. Lap
 - f. Miter
 - g. Mortise and tenon
 - h. Rabbet
5. Know the characteristics of and how to work with the following:
 - a. Hardboard
 - b. Particleboard
 - c. Plywood
6. Know at least two ways to finish the edges of plywood.
7. Demonstrate the proper technique of gluing and clamping wood.
8. Choose a plan for and complete an article of household furniture, such as a small table, footstool, writing desk, or bookcase. List the materials needed for your project.
9. Know and use the proper steps in finishing a wood project with either natural finish or a stain.
10. Do two of the following:
 - a. Make a project with a door or lid with inset hinges.
 - b. Make a scale model of a house or building with a cutaway view showing the interior detail.
 - c. Assist in making and/or repairing wooden toys for needy children.
 - d. Make a project using dowel, miter, or mortise and tenon joints.
 - e. Make a project using curved cuts, or beveled or rounded edges.

Skill Level 2

Original Honor 1934





**Household Arts
General Conference
2001 Edition**