

Explained to counselor: _____ Date: _____

- b. Give three examples of programming languages and what types of programming they are used for.

1. _____

2. _____

3. _____

Completed: _____ Date: _____

- c. Describe a source program and an object program.

Described to counselor: _____ Date: _____

3. Show how the following may be stored in computer memory: text, numbers, pictures, and sound.

Shown to counselor: _____ Date: _____

4. Do THREE of the following:

- a. Use a database manager to create a troop roster, providing name, rank, patrol, and telephone number of each Scout. Sort the register by rank, by patrol, and alphabetically by name.

Database program used: _____ Date: _____

- b. Use a spreadsheet program to develop a weekend campout food budget for your patrol.

Spreadsheet program used: _____ Date: _____

- c. Use a word processor to write a letter to parents of your troop's Scouts, inviting them to a court of honor. Use the mail merge feature to make a personalized copy of the letter for each family.

Program used: _____ Date: _____

- d. Use a computer graphics program to design and draw a camp-site plan for your troop.

Program used: _____ Date: _____

5. Do TWO of the following:

- a. Visit a business or industry that uses computers. Study what the computer accomplishes and be prepared to discuss what you observed.

Business/industry visited: _____ Date: _____

Notes from your visit:

- b. Use a computer attached to a local area network or equipped with a modem to connect to a computer network or bulletin-board service such as Prodigy, CompuServe, or America Online. Send a message to someone on the network or download a program or file from the network.

Computer or network used: _____

Location : _____ Date: _____

Message sent to / file(s) downloaded: _____

- c. Use a general-purpose programming language to write a program application of your choice, subject to approval by your counselor.

Program written: _____

Description of program's purpose: _____

Date program written: _____ Counselor approval: _____

6. Be prepared to discuss several terms used in each of the following categories:

- a. Input/output devices
- b. Storage Media
- c. Memory
- d. Processors and co-processors
- e. Modems
- f. Networks
- g. Electronic Mail
- h. Robotics

Completed: _____

Date: _____

7. Be prepared to discuss various jobs in the computer field.

Completed: _____ Date: _____

8. Is it permissible to accept a free copy of a computer game or program from a friend? Why or why not?

Completed: _____ Date: _____

9. Describe several ways in which you and your family could use a personal computer other than for games and recreation.

Completed: _____ Date: _____

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In completing all requirements for this merit badge, I have completely read the appropriate BSA merit badge book, and discussed same with my counselor.

signed

date

(Source: Courtesy USSSP Merit Badge Requirements, current as of the MB date on this document)