



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:

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- 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)