

Computer Badge



Otters (Do 4 requirements including the 2 starred)

- _____ 1.* Learn how to properly turn on and shut down a computer. What is the difference between hardware and software? Learn the basic parts of a computer. Be able to identify the screen, keyboard, mouse, CD or DVD door, and on button.
- _____ 2.* Learn the following:
How to properly handle a CD or DVD and how to load and unload one from your computer.
How to correctly operate a mouse and what each of the buttons are used for.
How and where to save something you have created.
How to print your work.
- _____ 3. Learn an age appropriate computer game. This can either be loaded from a CD, or played on the internet.
- _____ 4. With the help of an adult, learn to use an Internet browser. Learn how to type in the address of where you want to go as well as to use a search engine such as Yahoo or Google to find information. Always get your parent's permission before going on the internet. Find a website you like and learn how to "bookmark" it or add it to your favorites. Then come back to it later by finding it in the bookmark or favorite section of your browser.
- _____ 5. Use a computer to create an invitation or thank you note.
- _____ 6. Use a word processor to write a short story or poem. Learn how to change the color and font of your letters and how to use the spell check function.

Dolphins (Do 5 requirements including the 2 starred)

- _____ 1.* Find out what you should look for when buying a computer. What do each of the parts do? How much memory do you need if you are just using a computer for school? What about games? What is RAM and how much do you need? How will the computer connect to the internet?
- _____ 2.* Learn the following:
How to properly turn on and shut down a computer.
How to properly handle a CD or DVD and how to load and unload one from your computer.
How to correctly operate a mouse and what each of the buttons are used for.
How and where to save something you have created.
How to print your work.
How to download digital pictures and/or video to your computer.
How to scan something into a computer.
The difference between hardware and software.
- _____ 3. Keep a log for 1 week of how many times your life has been effected by computers. Watch for items like computerized cash registers, Caller ID systems, cell phones, washers & dryers, even programmable toys such as RC cars. Share your log with your troop.
- _____ 4. Use a graphics or photo software program and learn the following:
How to rotate, adjust size, crop, and flip a picture or graphic.
How to brighten a photo from a digital or scanned photo.
How to eliminate "Red Eye" in a photo.
How to insert a shape or a line and how to change its color.
How to insert text and how to adjust its color and font.

- _____5. Pick 2 computer software programs and write a review about them. What do you like about them? What improvements would you make? If possible, find a review online of each of these programs and compare them to the review that you wrote.
- _____6. With your parent's permission, log onto the internet and using a search engine, find 3 sites on a subject you are interested in.
- _____7. Use a word processing program to write a report or story for school. Learn to use the spell check, change your font style, color, and size and learn how to import a picture into your document.

Butterflies (Do 6 requirements including the 2 starred)

- _____1.* Find a computer program that allows you to do something you haven't tried before and learn it. Examples might be an interior design program that allows you to design your dream bedroom, a personal finance software package, editing photos or video, a digital scrap booking program, or a foreign language program.
- _____2.* .* Do THREE of the following:
- Use a database manager to create labels for a mailing you plan to do such as thank you cards, Christmas cards, or invitations.
 - Use a spreadsheet program to develop a budget for a troop or family function.
 - Use a word processor to write a letter to parents of your troop's members, inviting them to a court of awards or other ceremony. Use the mail merge feature to make a personalized copy of the letter for each family. If no ceremony is upcoming, you may send Christmas letters to family and friends, invitations to a party, etc. Be creative!
 - Use a computer graphics program to design a scrapbook page for your troop scrapbook. Know how to do the following:
 - How to rotate, adjust size, crop, and flip a picture or graphic.
 - How to brighten a photo from a digital or scanned photo.
 - How to eliminate "Red Eye" in a photo.
 - How to insert a shape or a line and how to change its color.
 - How to insert text and how to adjust its color and font.
- _____3. Design a flier for younger members of your troop and community on Internet usage. Include safety tips, "netiquette" tips and a list of great family friendly websites to explore.
- _____4. Is it permissible to accept a free copy of a computer game or program from a friend? Why or why not? What is a "license" and what can be the consequences of misusing it?
- _____5. Use the internet, with parental approval, to do the following:
 - Send an email
 - Download a program, such as a free game, music, graphics, etc.
 - Purchase something online (or at least get to the point of purchase)
 - Use at least 3 different search engines to research the topic of your choice.
- _____6. How has computer technology improved everyday appliances like ovens, washer and dryers, televisions, and telephones?
- _____7. Create a brochure of kid friendly websites. Have a sections for things like games, homework helpers, and contests.
- _____8. Describe the major parts of a computer system.

Eagles (Do 7 requirements including the 2 starred)

- _____ 1.* Find a computer program that allows you to do something you haven't tried before and learn it. Examples might be an interior design program that allows you to design your dream bedroom, a personal finance software package, editing photos or video, a digital scrap booking program, or a foreign language program. (If you earned this badge as a Butterfly, you must choose a new program.)
- _____ 2.* Do THREE of the following:
- Use a database manager to create a roster, of some kind. It could be a contact list for your troop, a sports team, or even a personal address book. Provide names, addresses and telephone numbers. Sort the register by at least 2 fields such as by zip code and alphabetically by name.

 - Use a spreadsheet program to track your income and expenses for one month. Master basic functions such as formatting and editing a worksheet, entering and organizing data, using formulas, and creating a chart or graph from your data.

 - Use a word processor to write a report for school, publish a newsletter for your troop, or write a story. Master basic skills such as spell checking, cutting and pasting, inserting page numbers or symbols, creating page breaks, and creating tables and text boxes.

 - Use a computer graphics program to design and draw a campsite plan for your troop.
- _____ 3. What is a program? How is it developed? Give three examples of programming languages and what types of programming they are used for. Describe a source program and an object program.
- _____ 4. Do ONE of the following:
- Scan in a collection of pictures and use a graphics program to create a digital scrapbook page. Print it and show it to your troop.
 - Download pictures from a digital camera and use a graphics program to create a digital scrapbook page. Print it and show it to your troop.
 - Download video into your computer and using an editing program create a short movie for your troop.
- _____ 5. Visit a business or industry that uses computers. Study what the computer accomplishes and be prepared to discuss what you observed.
- _____ 6. How has the computer allowed people to work from home? Find 2 people who work from home using a computer and interview them. Are they self employed, or do they work for a larger company? What are the advantages/disadvantages of working at home? What special hardware and software do they use, if any?
- _____ 7. What careers are there in the computer field? Pick one and either conduct a phone interview with them or shadow them for a day
- _____ 8. Use the internet, with parental approval, to do the following:
- Send an email
 - Download a program, such as a free game, music, graphics, etc.
 - Purchase something online (or at least get to the point of purchase)
 - Use at least 3 different search engines to research the topic of your choice.
- _____ 9. Give a short history of computers. How has computer technology been used in things like phones, cars, and television?

