

girl scouts
of greater chicago
and northwest
indiana

Cybersecurity Basics Badge Activities For Girls in Grades K-1



**MOTOROLA SOLUTIONS
FOUNDATION**

Once you have completed these 4 activities, you will have completed the requirements for the Daisy Cybersecurity Basics badge. This badge is sponsored by Motorola, so once you have earned it, reach out to Corinna Christman at cchristman@girlscoutsgcnwi.org to learn how to receive your badge for free in the mail.

HOW COMPUTERS WORK ACTIVITY

Give girls a chance to match each image with the correct term.

Monitor: It shows you the words and pictures on the computer

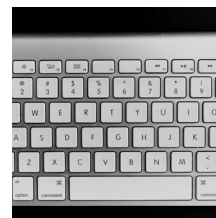
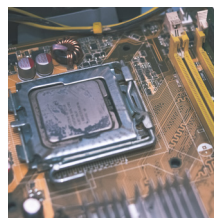
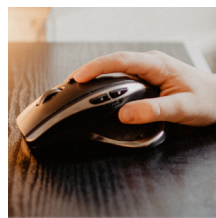
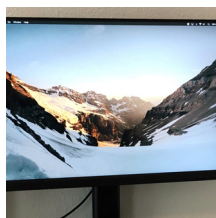
Keyboard: You use it to type numbers and letters into the computer

Mouse: You use it to move the little arrow on the monitor to select files, photos, or text that you want to move or open.

Speakers: They help you hear sound from your computer.

Webcam: It's a digital camera that can take and send images.

CPU: Central Processing Unit, the brain of the computer



In the cybersecurity badge, we will learn about how to use computers and the internet safely. To begin, we will talk about and act out the different parts of a computer. As we match each term to the correct image, we will discuss why that part of the computer is important, and act it out so we remember it better.

The **monitor** screen shows you pictures and words on the computer. Make funny faces at each other!

The **keyboard** is used to type numbers and letter into the computer. Wiggle your fingers like you are typing a message.

You use the **mouse** to select items you want to open on the monitor, or to move the cursor. Can you squeak like a mouse?

The **speakers** help you hear sound from the computer. Hold your hands to your ears like you are listening to your favorite song.

Webcam is short for web camera. It takes and sends images and videos. Pretend to take a group picture with your friends.

All of these items are the parts on the outside of your computer. There are also many parts inside the computer that we cannot see. The most important part is the CPU- the brain of the computer. It keeps the computer running by telling the other parts what to do. Now hold your head and jump up and down five times. What else can your brain tell your body to do?

In many ways, computers are like friends. They help us solve problems and share information with us. Brainstorm the ways that computers help us. Next, brainstorm what kind of information we give to a computer.

Girls play a “whisper” game and find out about how information is passed around on a computer. Have girls stand in a circle with friends or family and play a telephone game. Tell them they are all computers and will pass on information. Start by telling the first girl something about you, such as your name and favorite food, and tell her to whisper it to the next person. If you are working virtually, talk about how you could share information through that medium. Say you wanted to throw a surprise party for one girl. How could you communicate with the other girls without ruining the surprise?

For discussion: Imagine if you told a friend something you only wanted her to know. Would you be happy if she told other people? Now imagine you have something about you that you don’t want everyone to know about on your computer. Would it be OK to share it with people on other computers? No! You wouldn’t be happy if other people found out information about you from your computer.

FIND OUT WHAT SAFETY AND PROTECTION MEANS ACTIVITY

The second badge requirement is about safety and protecting what is valuable to you. Follow the link below for an activity about protecting your treasure.

<https://www.girlscouts.org/en/girl-scouts-at-home/activities-for-girls/daisies/daisy-cybersecurity-basics-badge-activity.html>

Badge Step 3: Discover how you are connected, just like computers are!

HOW ARE YOU CONNECTED? ACTIVITY

Steps

Give girls a piece of paper. Have them draw their family in the middle and then draw extended family and friends around the sides of the paper. The extended family members and friends could include aunts, uncles, cousins, or grandparents. In addition, draw any friends who are also a part of your life. This could include friends, babysitters, or teachers! Tell them that they are connected to many different people, and it is the same for computers. Girls are connected to computers so they communicate or talk with each other and their friends and family.



Supplies Needed

- paper
- markers or crayon

DAISY MESSAGE ACTIVITY

Using the connected handout, talk about how you send messages to people you are connected to. Ideas could include phone calls, texting, drawings, emails, or cards. Have your Daisy write down a message to a fellow Daisy. One of the best things about a computer is that it helps us send messages to anyone we want all over the world! Let's play a game to see how this works.

- Use the Daisy Message Circle, and pick a starting point for your message. (Example: you pick the smiley face, which represents you!)
- Think about who you want to pass the message along to, and draw a line connecting the two shapes. (Example: you want to send the message to the heart, who represents your friend Susana Next, Susana wants to share the message with her mom, the purple star, and so on)
- Continue to pass the message around until you are ready to stop. Look at your circle! Where did the message go? Are there a lot of crisscrosses in the journey? How many people saw the message you sent to one person originally?

Your computer connections look busy! Think about a time you shared a story with someone who then told your story to another person.

Challenge Version (to be played with one other person- a sibling, parent, friend)

- Before you start, have your friend pick 2 shapes that they do not want to receive a message. You are planning a surprise party for these friends, and you want to make sure they are surprised. Have your friend write down or draw the two shapes on a piece of paper hidden from you.
- Next, pick your starting point, and begin to send your message. Take turns picking the next place the message goes and connect the lines each time. You are trying to avoid the 2 girls who the party is for, even though you don't know which shapes they are.
- Once you have finished sending the message around, ask your friend if you gave away the surprise or not. Did the message go to the wrong people?

What else can you send to someone online besides messages? Answers could include photos, drawings, videos.

When you share something on a computer, other people can send it to someone else. When you passed the message around the circle, you were sharing it from one computer to another. When you sent your picture to someone, they shared it with someone else on their computer. What if you only want one person to see your picture? How can you protect it? Possible answers include: By letting the person you know you want to keep it private. By asking the person not to share your picture. By not sending it on a computer.



Supplies Needed

- magazine for girls to choose a picture from
- markers or crayons
- circle handout/visual

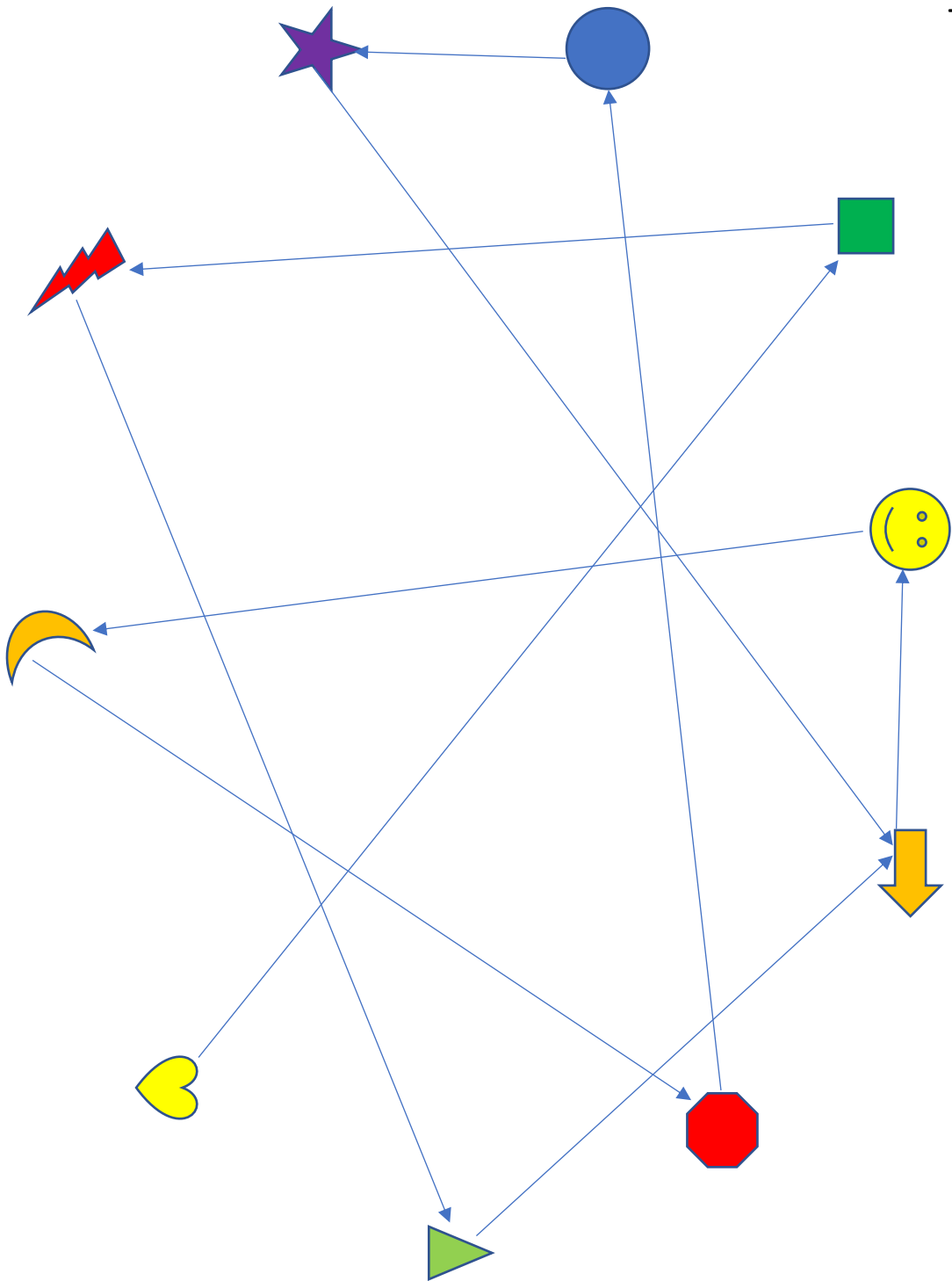


**CONGRATULATIONS! YOU HAVE COMPLETED THE REQUIREMENTS
FOR THE DAISY CYBERSECURITY BASICS BADGE.
IF YOU WOULD LIKE TO RECEIVE YOUR BADGE IN THE MAIL,
PLEASE REACH OUT TO CORINNA CHRISTMAN AT
CCHRISTMAN@GIRLSCOUTSGCNWI.ORG.**



**NOT A GIRL SCOUT? NOT A PROBLEM!
LEARN MORE ABOUT JOINING!
girlscoutsgcnwi.org/join**

Example:



Daisy Message Circle



Draw the path of your message by connecting the shapes.