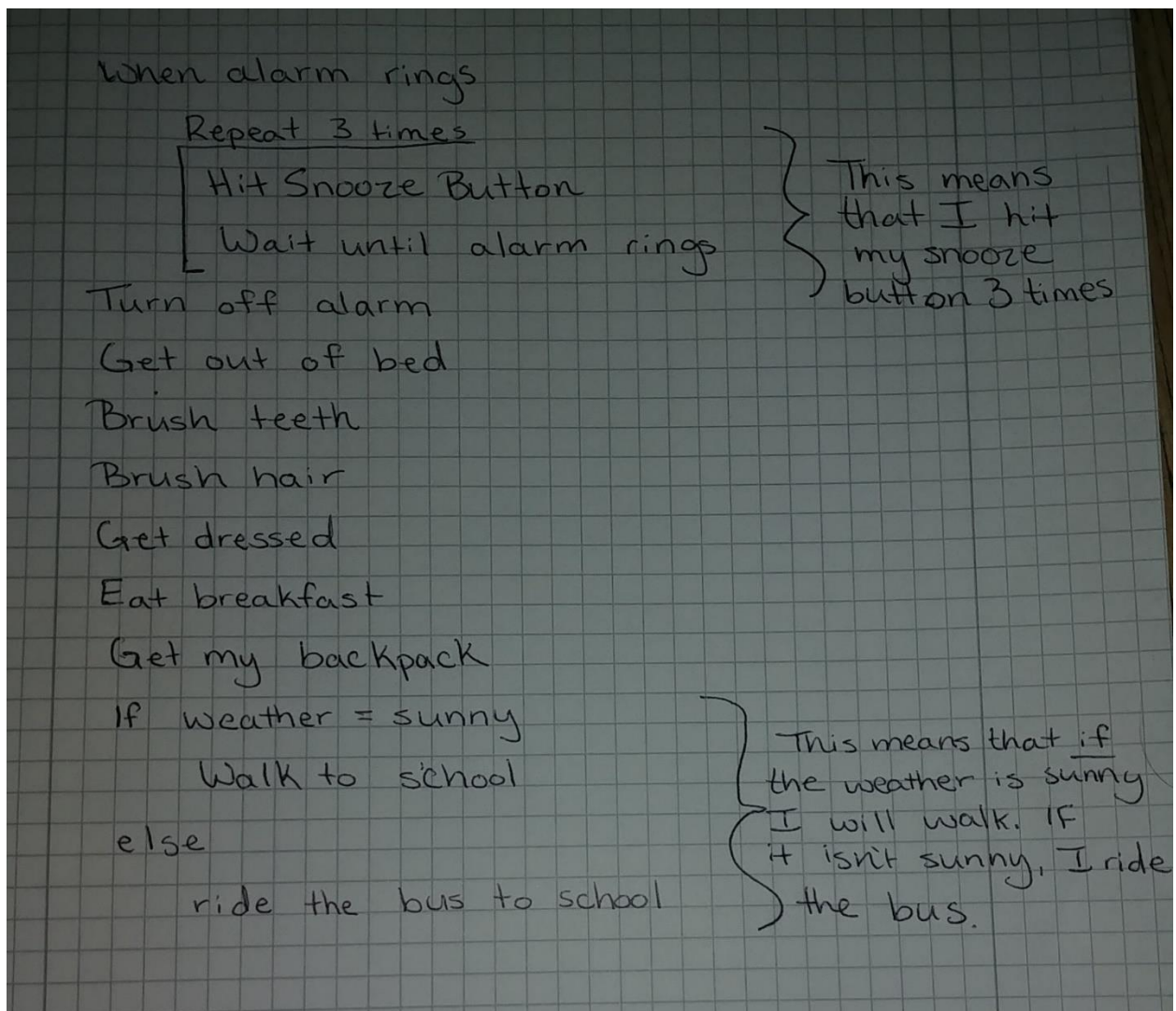**Activity 1: Create algorithms for a computer that follow a sequence**

Think about your morning routine? Do you do some of the same things every morning? Do you brush your teeth? Do you eat breakfast? What about getting to school? Do you ride the bus? Do you walk? Does an adult take you?

With an adult's help, write down your morning routine.

An algorithm is a set of instructions that are followed step by step by the person or machine reading them. Let's write an algorithm that gives us a set of instructions of a normal school day morning!

Here's mine!

How would you create your morning algorithm?

Activity 2: Learn about women in computer science

Do you know someone who works with computers? What about the names of people that created the computers that we use today? Women have worked and designed computers since they started and Grace Hopper is one of those women.

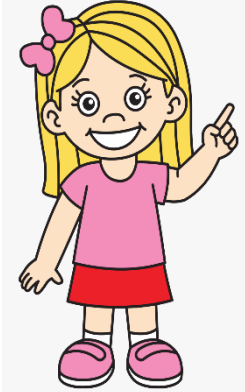Watch [this video](#) on Grace Hopper!

Activity 3: Explore sorting algorithms

Computers use sorting algorithms to solve really big puzzles. Have you ever asked your computer to tell you what was the biggest number in a list? Or who's birthday came first? That's a sorting algorithm!

Using the activity below, have your Daisy sort the girls by birthday from January to December and then by age!

Cut them out as cards and sort them together!

Congratulations! You've completed the Daisy Coding for Good 1 Badge! [Click here](#) to purchase it from our store!

Name: Mary **Age:** 4 **Birthday:** January	**Name:** Sarah **Age:** 6 **Birthday:** May	**Name:** Kailee **Age:** 7 **Birthday:** February
Name: Mattie **Age:** 5 **Birthday:** December	**Name:** Olive **Age:** 3 **Birthday:** June	**Name:** Jessica **Age:** 8 **Birthday:** November
Name: Kim **Age:** 11 **Birthday:** July	**Name:** Bri **Age:** 9 **Birthday:** March	**Name:** Becky **Age:** 10 **Birthday:** October