

# 3.1. Ready to Rove?

## Self-Assessment

As mentioned before in this curriculum, a solid understanding of the basics in Arduino programming is required and assumed in the following activities. Be honest with yourself when going through this section, since it is a prerequisite for the successful completion of this curriculum. If you need a refresher on some topics take a look at the next section, refer back to the "Intro to CS" Curriculum or use google for a quick reminder.

Can you answer all these questions? If you can, then you are ready to rove! If not, you might run into problems with this curriculum and should take a step back and start with the Ten80 "Intro to CS" curriculum.

- What is Pseudocode?
- What is a flow chart? Why do you need one?
- What is an algorithm? Provide an example.
- What is abstraction?
- What is a microcontroller?
- What is the Arduino IDE?
- What is a sketch?
- What is looping and why is it important in computer programs?
- What is the Binary numeral system?
- What is the Hexadecimal numeral system?
- Define a bit and a byte (optionally a nibble).
- What is a function?
- How do you use libraries?