Artificial Intelligence and Machine Learning

The video "Artificial Intelligence and Machine Learning" teaches you about the role of algorithms in creating and programming computers and artificial intelligence. Although you might not have heard the term algorithm before, you actually use algorithms in your life every day!

Try This!

Algorithms are simply a set of steps that can be followed from start to finish to complete a task. Correctly order the steps below from 1–7 to create an algorithm for washing your hands.

Everyday Algorithms

_____ Rinse off your hands in the water.
_____ Adjust the water temperature to warm.
_____ Get your hands wet.
_____ Rub your hands together for at least 20 seconds.
_____ Dry your hands off with a hand dryer, paper towel, or hand towel.
_____ Squirt one pump of soap onto your palm.
_____ Turn on the water.

Notice that the steps for washing your hands are as specific as possible. The directions tell you to use warm water, one squirt of soap, and to rub your hands together for at least 20 seconds. When you are teaching someone (or a computer!) to do something, you need to give them as much specific information as you can to make sure that the outcome remains the same. Imagine if the person you were teaching used an entire bottle of soap instead of one squirt!

What other examples of algorithms can you think of in your everyday life?
_____
_____
_____

Use the back of this sheet of paper to write an algorithm for one of your everyday examples. Remember to be as specific as possible!