**Algorithms in Everyday Life**

We use algorithms every day (whether we know it or not) for things like getting ourselves ready in the morning, tying our shoes before leaving for school, doing the hokey pokey, or preparing a snack when we get home in the afternoon. Your assignment is to write an algorithm for a task you do at home, at work, or at school on a regular basis. Examples could include:

* Tying your shoes
* Making a sandwich
* Doing your hair
* …etc.!

Make sure to **be as detailed as possible**. For example, saying ‘cut a slice of meat’ leaves a lot to be interpreted – which knife should I use? Do I hold it by the blade, or the handle? How thick should the slice be?

Your algorithm should have a **well-defined starting point** and a **well-defined ending point**. Make sure to be specific about any necessary conditions that must be met at the beginning and end of the procedure (e.g. you must have meat in the fridge, a cutting board in the cupboard, a knife in the drawer, and a loaf of bread in the pantry in order to make a sandwich).

Explain your procedure to a classmate to make sure it makes sense. Record and hand in your procedure by the end of the day, with this sheet attached.

**Grading:**

Clear beginning and end conditions are defined: / 4

Steps are detailed, clear, and leave no room for interpretation: / 4 (x 2)

Steps are ordered sensibly: / 4

Spelling / grammar / organization: / 4

Total: / 20