**Before you build**

1. Why is this structure named after a finger?
2. What is your hypothesis on how this finger may move when the strings are pulled? Sketch the finger showing what motion it may take.
3. What features of the finger influenced your hypothesis for how it moves?

**While curing, part 1**

1. What could this finger be used for? Name a use for the finger or discuss someone who may use it.
2. Based on your chosen application or user, what are some features you could add to this finger to make it more useful or more effective?

**While curing, part 2**

1. After pouring both layers of the silicone, did you notice any differences between the two silicones?
2. What is your hypothesis for how each silicone will feel once it is cured? Explain why you had this conclusion.
3. What do you think is the purpose of using two different kinds of silicone?

**Postactivity reflection**

1. Use your finished finger to pick up a few objects around you. What kinds of objects are you able to pick up? If you were to alter the finger, how might changing the geometry affect the way it handles various objects?
2. What is the purpose of the finger’s structure?
3. How does the SDM Finger mimic your own finger?
4. Were there any issues with your final result? What part of the fabrication process would you do differently next time to correct this?