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Dancing Drops: Notes to the Future

- a) For our exhibit we used a 2 Liter soda bottle and an adjustable sprinkler drip valve. The drip valve came from Emigh hardware and was the only essential item that we needed from a supply store. The bottle can be from any grocery store and is easy to obtain.
- b) During the construction we found that the drip valve would leak. It leaked around the hole that we drilled for it, so it must have been bigger than it needed to be. We fixed it with super glue and sealant that we carefully placed around the drilled hole in the cap. During the operation, there were no problems that occurred other than filling the bottle with water.
- c) To improve the exhibit we could have used something better to catch the water so that it doesn't splash around. A paper towel helped at the beginning, but then it started to splash again. We could also have made the exhibit more pleasing to the eye.
- d) When little kids come up to the exhibit, be prepared for them to stick their hands in the stream. They can cause quite a mess by doing that so make sure to tell them to just stick a finger into the stream if they do it. Parents also ask a lot of question about the science behind the exhibit so be sure to know how it works.
- e) A good piece of advice from previous N2tF was to make frequent changes with your partner so that you aren't stuck in the dark room for a long time. The other advice seemed to be similar to the other notes so just be sure to take breaks.
- f) Mr. Baird suggested that we put non-reflective surfaces inside the box. He said that felt would do and it helped with the visibility of the drops.
- g) The flashing can give you a headache, so make sure to be hydrated and take breaks.