

Lab 3

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1. I learned about how transistors work. I didn't know anything about transistors before this lab, or at least I must have forgotten what I had learned. But now I know that they are basically like electronic dimmer switches. I also now realize that because larger capacitors take longer to charge, if they will oscillate they will probably oscillate at a lower frequency.
2. Although I didn't learn anything completely new about breadboards, I have gotten a lot better at understanding how they work. At the beginning of the lab I just blindly followed the instructions, but by the end I was able to see what my connections were doing, and try to imagine what the circuit diagram would look like. I think having to design my own section of the circuit really helped with that, I was able to see which components were in parallel, and which were in series just by looking at how they were connected.
3. I learned pretty quickly that simply bumping different components when my circuit wasn't working could help me identify components that weren't connected properly.