



## Libraries are for making..... Submission Template

### Project Information:

- Library Name: Centennial High School      Library Contact: Gena Marker, 855-4261  
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- A short description about the creation. What media, computer program, or design method was used:

One of our many activities held during our two-week celebration of Teen Tech Week was a Take Apart day held after school. I brought several of the broken electronics from our Take Apart activity at ICfL (thanks for the hair straightener, Staci Shaw!), and then we added our own (that's a broken VCR pictured below). Due to the time it takes for this activity, we held it after school, and were surprised to have 10 students show up. For an after-school program, this is an amazing turnout. We didn't use anything for this program other than the broken electronics and the two toolkits. As much as possible, I tried to let students be self-guided by their own inquiry, rather than me telling them what to do next. It was amazing to see them working together to break something apart, and in some cases (hair straightener) even put them back together again. By the end of the activity, students were taking turns stomping on a computer mouse in order to break apart the plastic casing. That's what I call teamwork! The girl pictured below was in the library for an after-school tutoring program and had finished her homework and told me she was bored, so I invited her to come over to the Makerspace. I had no idea how involved she would become in this activity. She was fearless in her effort to jump right in and take apart the components, and it was fun for me to be able to teach her new words like capacitor and resistor. Seeing how motivated she was by all things mechanical, I jumped on the chance to promote our Principles of Engineering and Exploring Computers classes, with which she was unfamiliar. I don't know if she'll sign up for either next year, but at least now she knows they're an option for her.

