

Hacking Club

October 24, 2013

Hacking – our definition

- * Experiments
- * Learning to understand a system
- * Using something in new ways
- * Figuring stuff out
- * Having fun
- * Having good intentions

Last week...

- * We learned the basics of a computer: hardware + software
 - Inputs and outputs
- * We learned the basics about how the Internet works: computers connected as a network, with "servers"
- * We learned how to conduct smart research using the Internet

Opening up a computer

- * Let's see how it works!
- * But first...

- ① Get permission
- ② Conduct research
- ③ Gather tools
- ④ Do a safety check
- ⑤ Do it!

Get Permission

- * I purchased this computer for the express purpose of having us open it up and look inside
- * So, permission granted!
- * ALWAYS ask permission to take something apart, even if it's your own object

Conduct research

- * So you'll know what to do and know what you're getting into
- * A couple of sources:
 - How Stuff Works
 - + <http://computer.howstuffworks.com/inside-computer.htm>
 - TED
 - + <http://ed.ted.com/lessons/inside-your-computer-bettina-bair>
 - Search!

Gather tools

- * What will we need to get inside?
- * Look
- * Should adults be informed (always, YES)
- * Should adults be around?
- * Research if needed

Do a safety check

- * What should we think about?

Do a safety check

- * What should we think about?
- * Power!!!
- * Input/outputs with power

Tips for taking things apart

* KNOW YOUR PURPOSE

- Just curious to know how it works?
- Do you want to use it again?
- Are you looking to improve it?

* DOCUMENT YOUR STEPS

- Take pictures, draw, make notes
- So you can learn
- So you can put it back together

Let's open it up!

Your HACKS for this week:

1. Pick your web page to hack

- * Next week, we'll "hack" a web page to learn how to make a web page
- * Select a website that you like. It should not have animations or too much interactivity
 - Not animaljam, poptropica, pottermore
 - Maybe your favorite author has a website?
 - + <http://www.shelsilverstein.com/about/>
- * Pick a SINGLE PAGE
- * Write down the URL and bring it to club next week

Your HACKS for this week:

2. Decide if we want a club blog

- * Research what a BLOG is
- * Decide if we want to have a "group blog" for the club, to which we all can contribute
- * If yes, think about what the blog should look like, what you'd like to do
- * Next week, we'll use technology to vote
- * If yes, we'll start the blog