

Tink Tank 2: Squishy Circuits and More

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Online Handout: <http://coffeeforthebrain.com/tink-tank-2-csd/>

Padlet: padlet.com/coffeechug/CSD_TinkTank2



Level 1: Build A Base Foundation

1. Open up the contents
2. Touch, feel, discuss, question the materials
3. Use the task card provided to learn about the materials you have been given
4. Reflect on the importance of this step when teaching students
5. Share what happened during this step: http://padlet.com/coffeechug/CSD_TinkTank2

Level 2: Exploration

1. What happens if we do _____?
2. How does _____ work?
3. Why did _____ not work?
4. What if we combined _____ and _____?

This step is to guide you to take a few steps outside of your comfort zone where you realize it is okay to make mistake and try things out. Come up with new ideas, learn some more skills and content and branch out a bit.

Share reflections about this step http://padlet.com/coffeechug/CSD_TinkTank2

Level 3: Application

Now that you have built a base knowledge and experimented a bit it is now time to apply your knowledge. It is time to **DO SOMETHING!**

As a group you need to come up with an answer to the following driving question:

“What can you make to make life better for people?”

Share your answer here: http://padlet.com/coffeechug/CSD_TinkTank2

Call to Action

What did other people create?

How did they answer the question?

How many varieties of answers were created, but all correct?

What further questions do you have?

How can you apply this to your classroom and teaching?

Please join the Play and Tinkering in the Classroom Community and post learning and ideas: <http://bit.ly/1vHtpgH>

For more resources and help please visit my page: <http://coffeeforthebrain.com/tink-tank-2-csd/>

Resources to Explore

Makey Makey

- <http://www.makeymakey.com/>

Light Painting

- http://scripts.mit.edu/~eric_r/glowdoodle/index.php
- http://www.exploratorium.edu/pie/downloads/Light_Painting.pdf
- <http://www.thisiscolossal.com/tags/light-painting/>

Hack Your Notebook

- <http://chibitronics.com/education/>

littleBits

- <http://littlebits.cc/>

Squishy Circuits

- <http://courseweb.stthomas.edu/apthomas/SquishyCircuits/>
- <http://makezine.com/projects/squishy-circuits/>
- <http://tinkering.exploratorium.edu/squishy-circuits>
- <http://coffeeforthebrain.com/teacher-tinker-time-presentation-reflection-with-squishy-circuits/>

Conductive Ink

- <http://www.bareconductive.com/education/>
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