

2a. The computing innovation represented by my computational artifact is a Smart Toaster, otherwise known as a Toasteroid. It lets you connect your phone to a toaster and print out an image onto your toast. The Toasteroid has the basic functions as a regular toaster with an added bonus for young children. A free app from the user's phone, can either be an Android product or an Apple product can be wirelessly connected to the toasteroid, and can program the shape of heat applied to the bread.

2b. To create my artifact, I used a program called Paint. I went online and searched for pictures that related to my artifact. For example, I found a picture of the Toasteroid and copied and pasted it into the program. I then used the eraser tool to erase extraneous details from the picture. I ended up with a cut out of the Smart Toaster with a transparent background so I could move it wherever I pleased. I did this with multiple objects and arranged them in a way that made sense and fit on the screen. I added a title to entice people to be interested, and added a comparison between a regular toaster and the Toasteroid.

2c. There have been multiple beneficial effects and a few harmful effects from the creation and use of the smart toasters. One beneficial effect the smart toasters have had is it gives children a better incentive to eat breakfast in the morning. Some children will refuse to eat toast if it is not "fun" enough. Smart toasters are also much faster and more efficient with electricity, so using a smart toaster over a more conventional toaster will save time and money on electricity bills. As with everything the smart toasters come with their own negative effects. Some people forget how life used to be before the smart toasters came into their lives. If it were to be taken away, they

would forget how to make toast and end up eating a soft, dry piece of bread with toast spread on one side of it. A second drawback the Toasteroid has is its inability to change the amount of heat applied. On normal toasters, there is a knob or a switch that allows the user to set how much heat will be applied to the toast, thus, allowing the adjustment of how crisp and dark the toast will be. The Toasteroid is equipped with an unchangeable heat setting.

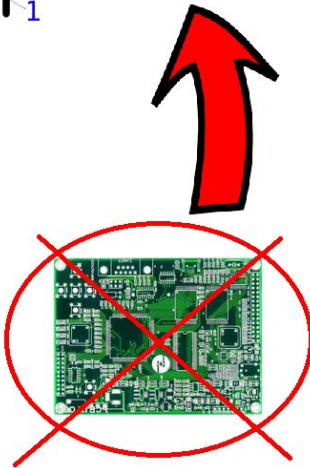
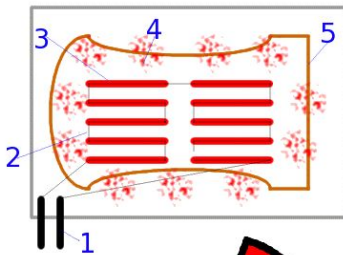
2d.

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# SMART TOASTER



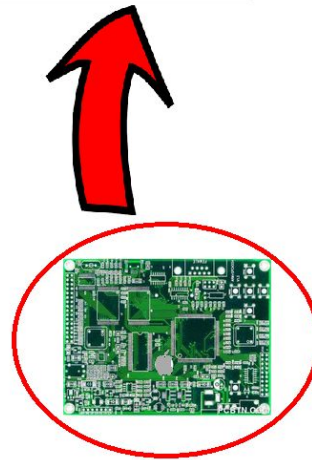
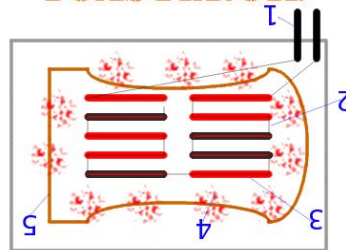
**NORMAL TOASTER**



*Not Programmable Heat* ✗



**TOASTEROID**



*Programmable Heat* ✓

