

## *Final Jeopardy!* Theme Song:

More Accessible Than Ever!

May 25, 2017

Nothing conveys a sense of urgency like the *Final Jeopardy!* tune. A recent technological breakthrough by researchers at the ProHealth REU has enhanced this experience using portable electronics.

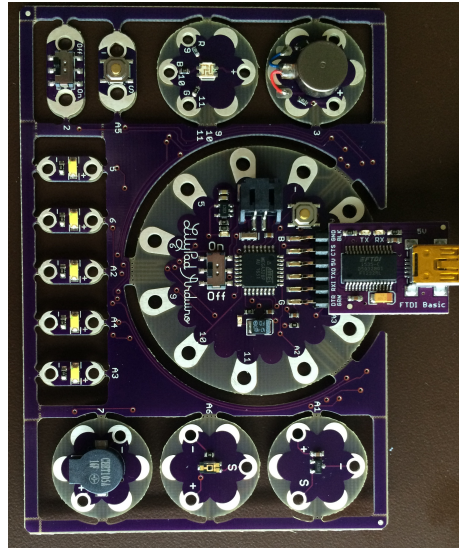


Figure 1: LilyPad Arduino

The LilyPad Ardiono programmed by Gabrielle Cantor and Kate Sanders plays the *Final Jeopardy!* theme whilst lighting up LEDs corresponding to the notes played. The music and lightshow begins when a room is completely dark. In the darkness, a person's eyes would quickly focus on the flashing lights of the Arduino. Combined with the *Final Jeopardy!* theme, a sense of urgency and focus is created to aid a person's mental responsiveness. A demonstration of the technology at work can be viewed at [https://youtu.be/irDCgv0F\\_wY](https://youtu.be/irDCgv0F_wY).

According to Kate Sanders, one of the lead developers, "There is no telling how far this technology will go in advancing our society." Since the device is small and portable, it could be toted for use in any event for which a quick solution is needed. For instance, the device could be used to elicit a decision

from a friend who cannot decide what they would like to eat. Once it grows in popularity among government officials, it could even prove useful in prompting a response from the President regarding whether to begin a nuclear war. We asked the White House to comment on what they thought of this technology, but we have yet to receive a response.



Figure 2: Gabrielle Cantor coding the LilyPad

This research was funded by the National Science Foundation. For more information, contact Kate Sanders at [sandekat@iu.edu](mailto:sandekat@iu.edu) or via phone at 870-613-4511.