KINDER LIFE WITH COVID-19

Team 3- COVIDCATION- Solution
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Kids endure going to Kindergarten to learn how to develop social skills, however, how do we ensure a way for kindergartners to engage in fun hands-on activities and socialization while still monitoring their health?
The heat sensor wristband is a wristband that shifts depicts the colors depending on the body temperature of the wearer. The color depicted indicates the temperature of the child wearing it.
The thermochromic liquid crystals are temperature-sensitive elements containing TLC (Temperature-sensitive elements) molecules that are very sensitive to temperature causing a color reaction. This is due to the molecular structure affects the wavelengths of light that are absorbed and reflected by the liquid crystals.
How is this product practical?

Design Implementation

- $30 for 10 grams of thermochromic liquid crystals
- $14.99-$111.00 for 8-256 ounces of resin/epoxy.
- Kids wearing the wristbands will allow for teachers to monitor the temperatures of a dense population of students without having to examine them one by one.
**Our Solution Among Solutions**

01. Mask prevents exhalating/inhaling virus

02. Social distancing prevents contact with the virus

03. Washing hands kills the virus if in contact with skin

04. Temperature checks monitor emerging symptoms

05. Gloves prevent contact with surfaces that contain the virus

06. The heat sensor wristbands monitor the temperature of the wearer
Kids are required to wear the heat sensor wristbands on school campus to constantly monitor their temperature therefore they're unable to remove the wristbands.

Teachers would need to be educated on the temperature presented within the colour range to identify when a child begins showing feverish symptoms.
The heat sensor wristband is designed to suit the needs for kids being both lightweight and stylish for kids of all ages as well as made with a resin to prevent allergic reaction.
THANK YOU!

Do you have any questions?

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Cost References

- Prices for materials 1
- Prices for materials 2