

KINDER LIFE WITH COVID-19

Team 3- COVIDCATION- Solution

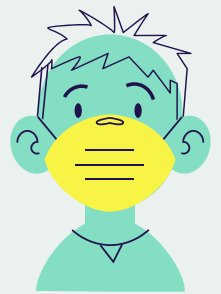
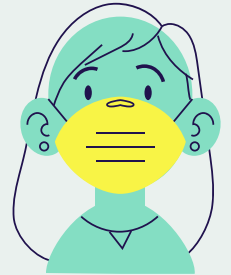
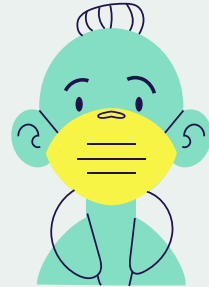


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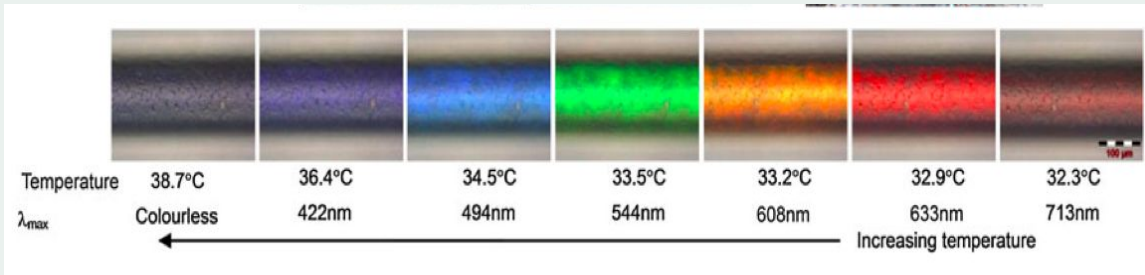
THE PROBLEM

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 there health?



OUR SOLUTION

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.



[Source for Image](#)



Images designed by Team 3

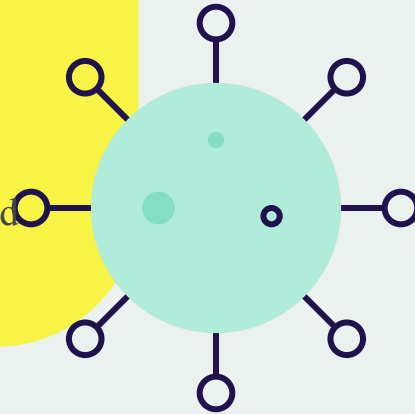
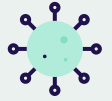
MODEL

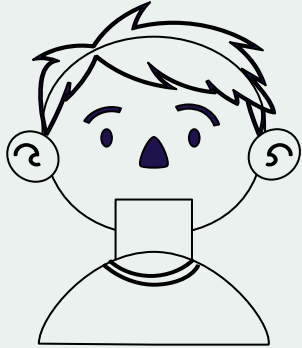
The thermochromic liquid crystals are temperature-sensitive elements containing TLC(Temperature-sensitive elements) molecules that are very sensitive to temperature causing a color reaction. This is due to the molecular structure affects the wavelengths of light that are absorbed and reflected by the liquid crystals.

Body temperature of 99.8-101.66



Body temperature of 91.76

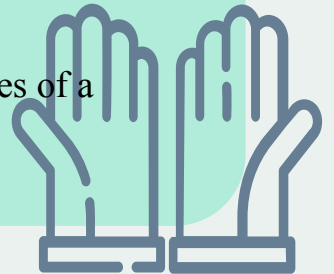




HOW IS THIS PRODUCT PRACTICAL?

Design Implementation

- \$30 for 10grams of thermochromic liquid crystals
- \$14.99-\$111.00 for 8-256 ounces of resin/epoxy.
- \$8.99-\$19.99 for wristbands/bracelet molds
- 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

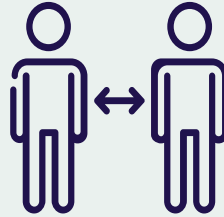


OUR SOLUTION AMONG SOLUTIONS



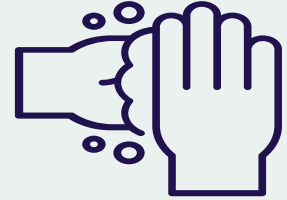
01

Mask prevent
exhaling/inhaling virus



02

Social distancing prevents
contact with the virus



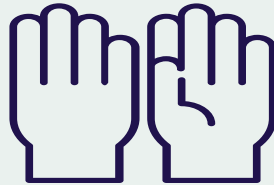
03

Washing hands kills the virus
if in contact with skin



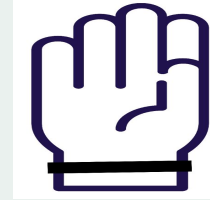
04

Temperature checks monitor
emerging symptoms



05

Gloves prevent contact with
surfaces that contain the
virus



06

The heat sensor wristbands
monitors the temperature of
the wearer

HOW WOULD IT BE IMPLEMENTED



SIX FEET
APART



STUDENT

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

TEACHER

Teachers would need to be educated on the temperature presented within the colour range to identify when a child begins showing feverish symptoms

TARGETED GOAL



KINDERGARTNER



TEACHER

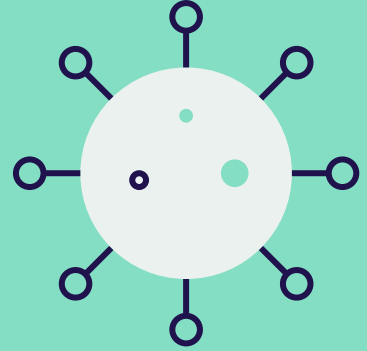


GRADE 1-5

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.

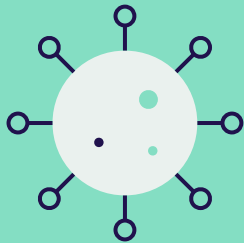


THANK YOU!



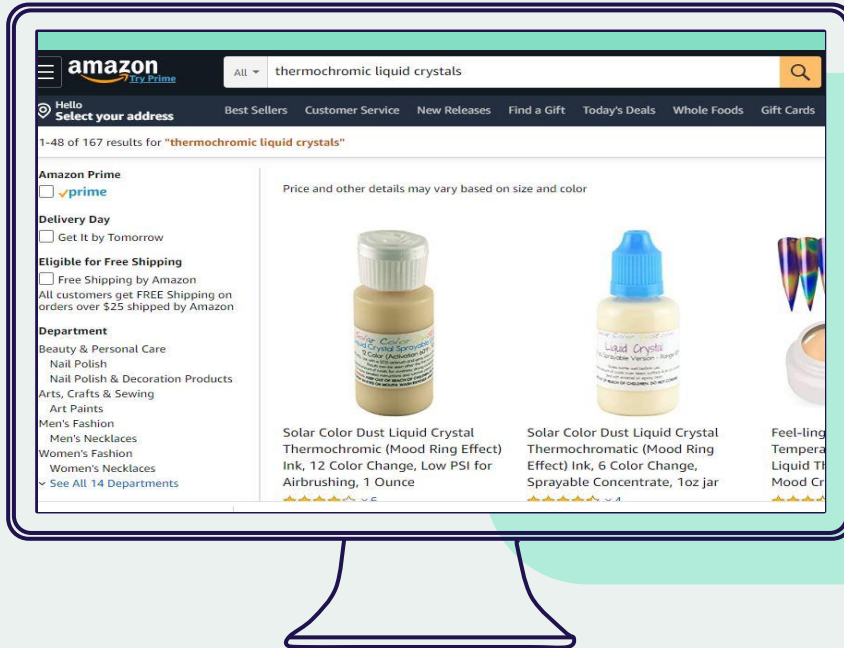
Do you have any questions?

martinezcastillojasmine48@gmail.com
623-296-2352



CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik

COST REFERENCES



- [Thermochromic Technology.](#) (n.d.). Retrieved June 21, 2020.
- [Prices for materials 1](#)
- [Prices for materials 2](#)

STATISTICS+RESEARCH REFERENCES

- Definitions of Symptoms for Reportable Illnesses. (2017, June 30). Retrieved June 21, 2020

- Thermochromic Technology. (n.d.). Retrieved June 21, 2020

