

- Project Name: Babyspy
- Nomination: "Smart City and Security"
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- Grade: 9
- Educational Organization: Quantorium Children's Technopark, Altair Center
- Project Manager: M.M. Bayrambekov
- Year of Project Creation: 2022

The logo for 'Heavy Spots' is rendered in a thick, orange, bubbly font. The letters are rounded and have a 3D effect with highlights and shadows. The word 'Heavy' is on the left and 'Spots' is on the right, separated by a small space. The entire logo is centered within a large, light blue, irregular blob shape that has a darker blue outline. The background is a light gray with various colorful abstract shapes: a purple circle in the top left, a yellow circle with an orange outline in the top left, a cluster of blue dots in the top right, a blue circle with a white outline in the middle right, a cluster of blue dots in the middle left, a pink circle with a white outline in the bottom right, and a green circle in the bottom right. There are also several white circles of different sizes scattered around the central blue blob.

Heavy Spots

A little helper for moms and dads



Children are learning about the world

We thought about how to optimize a mother's time while her baby is exploring the world while walking around the house.

- Children under six actively explore the world around them – they look at everything, touch everything, and, of course, try things.
- But learning about the world doesn't come without its sacrifices: a child might break their mother's favorite vase or color the wallpaper with markers.
- And often, mothers monitor their child's every move, fearing their careless actions, thereby wasting time.

1

Across Russia in 2018, 905 children fell out of windows, 123 of whom died and 33 were left disabled



2

In 2013, 54 children were injured at Russian power grid facilities, 26 of whom died.



3

If we analyze the incidence of injuries among children and adolescents, then 50% are due to domestic injuries.

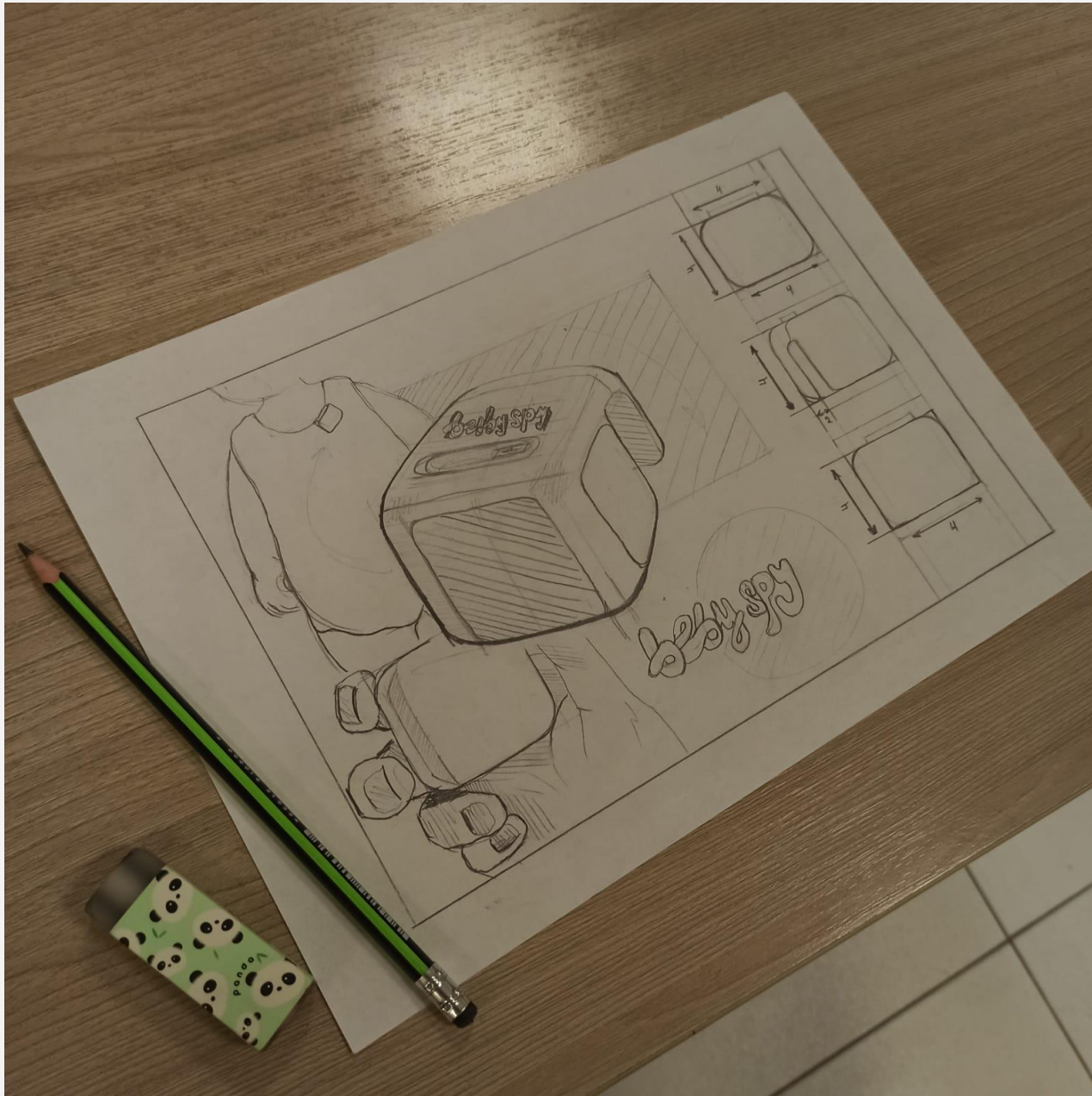




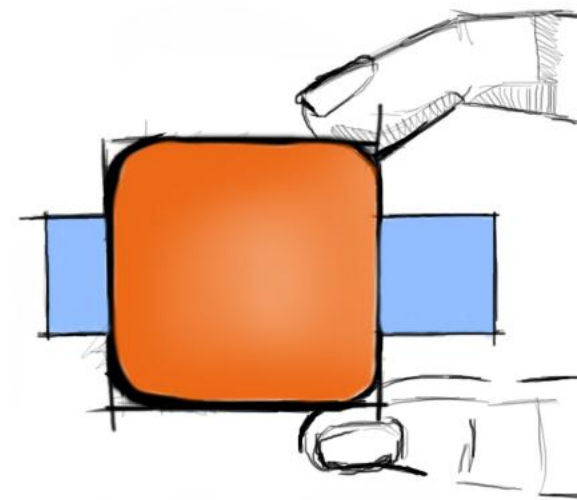
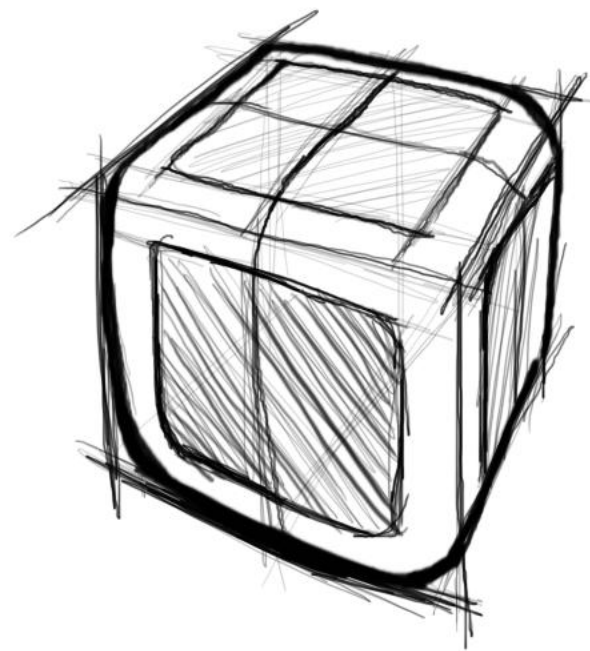
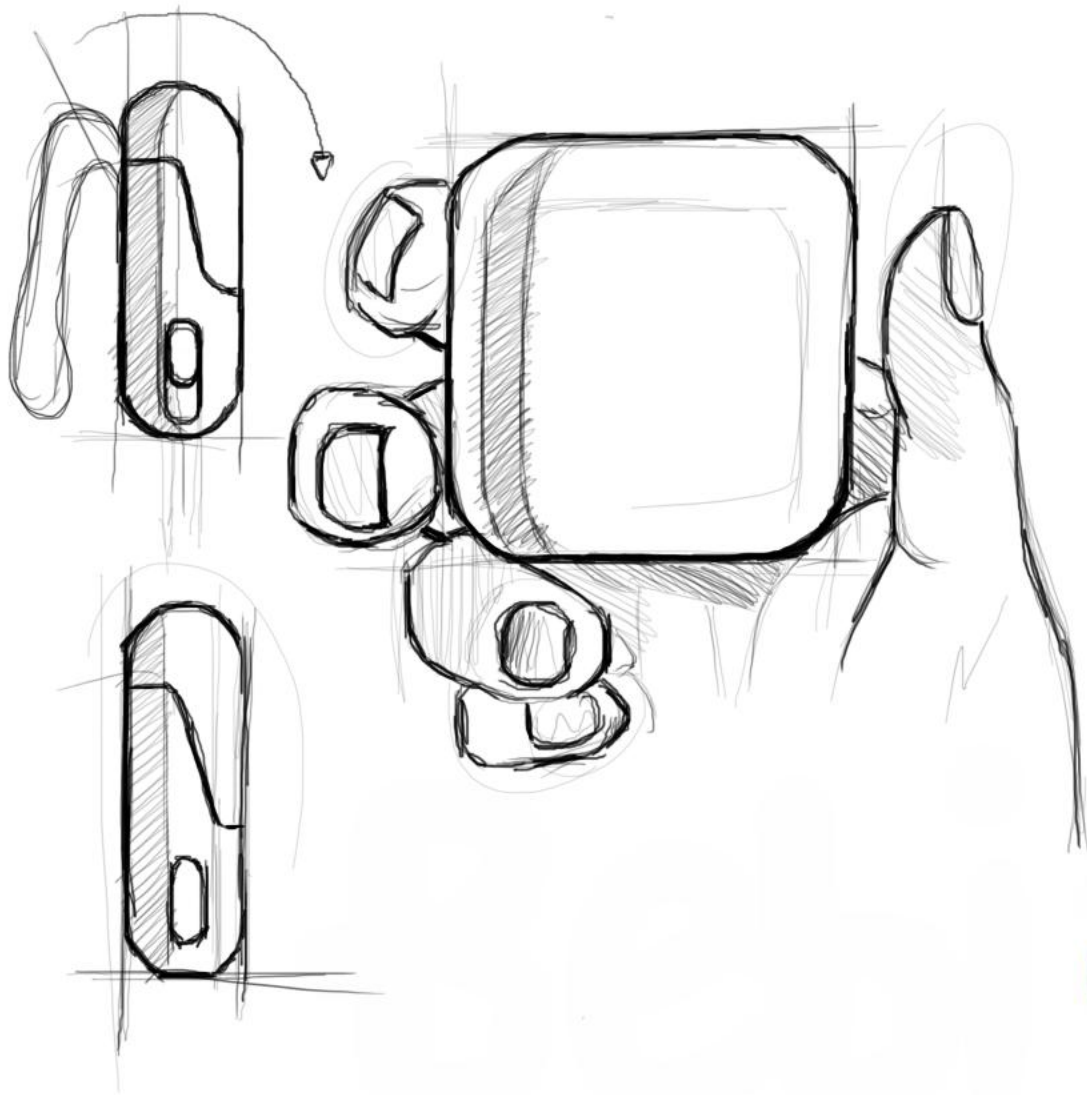
Sketch

Babyspy - a little spy

The discreet design and small size won't distract your baby.



Скетч



heavy spray

Turns out

The children's product industry has long collaborated with psychologists.

Psychologists claim

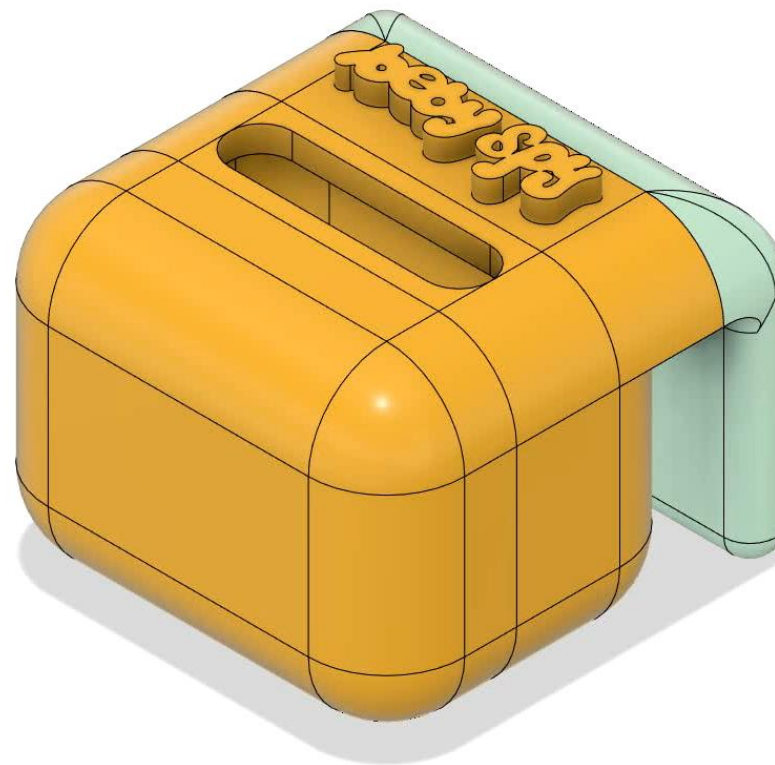
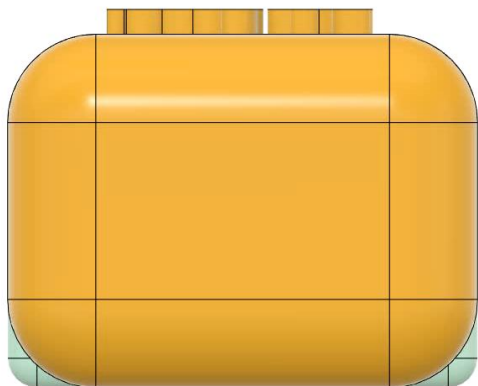
Children respond best to red, blue, and all their shades.

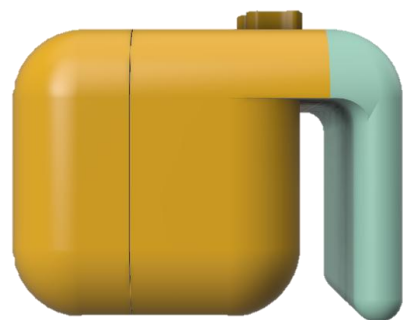
This conclusion is based on the fact that babies primarily respond to objects and toys of these colors.



heavy sph

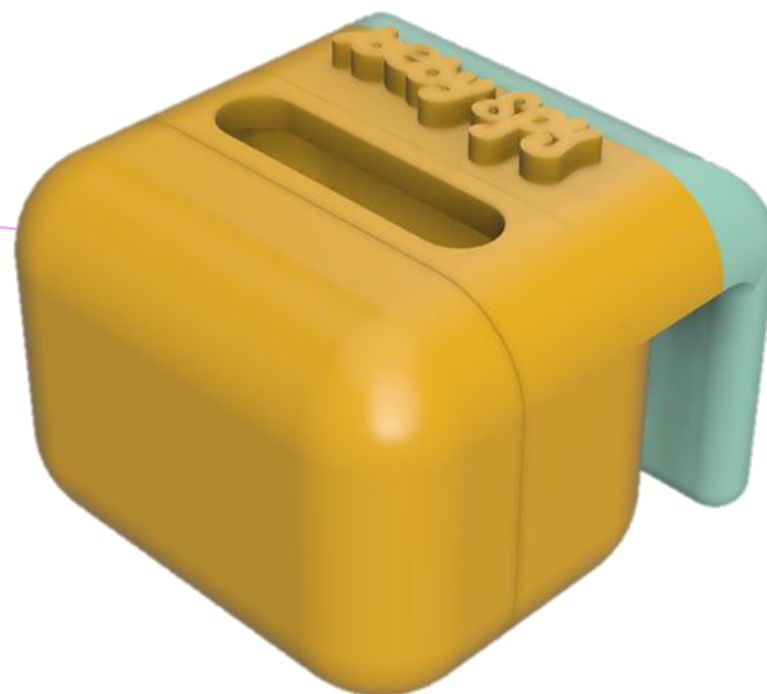
Child tracking sensor





heavy spy

3D model render



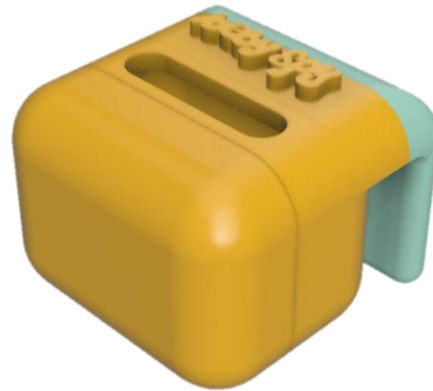


How does this work

The sensor attaches to the child's clothing (where it won't interfere). The sensor itself has no protrusions or sharp edges, so it won't injure the child while playing or sleeping. If the sensor detects that the child is dangerously close to objects (on the house map) that parents have set in the app, it will call the parent's phone. Parents can also install sensors on windows to detect whether they are closed. If the child is close, the sensor will close the window to prevent harm (from a cold or falling out of the window). Dangerous areas in the house can include open windows or electrical appliances within the child's reach.

Color scheme

Three color solutions



Pink

for girls

Orange

neutral

Green

for boys

Our application

On the parents' smartphone

A map of the house is loaded into the application and Bluetooth is connected.



The background is a light gray with various abstract shapes and patterns. There are large, overlapping circles in shades of purple, blue, and pink. Smaller circles in yellow and blue are scattered around. Clusters of small blue dots are also present. The central text is contained within a large, irregular blue shape.

Proper supervision - healthy child

Thank you for your attention

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