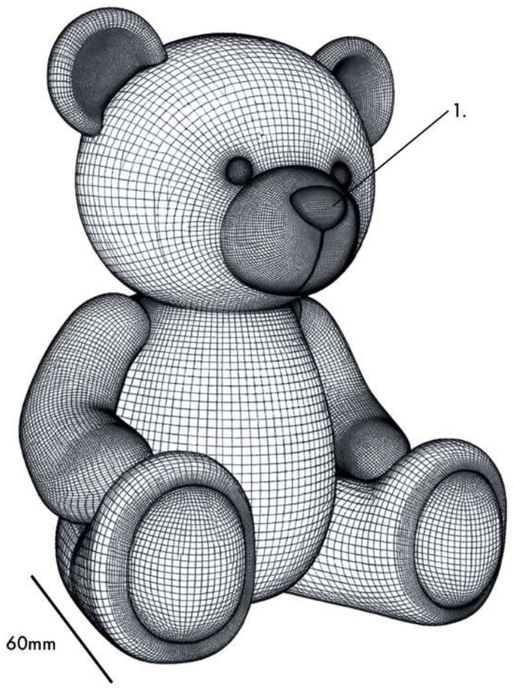
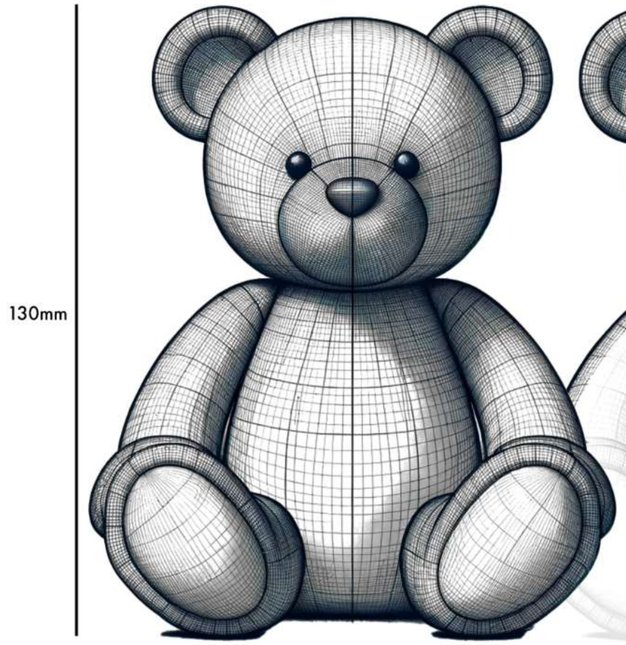
Air Bear Technical Spec

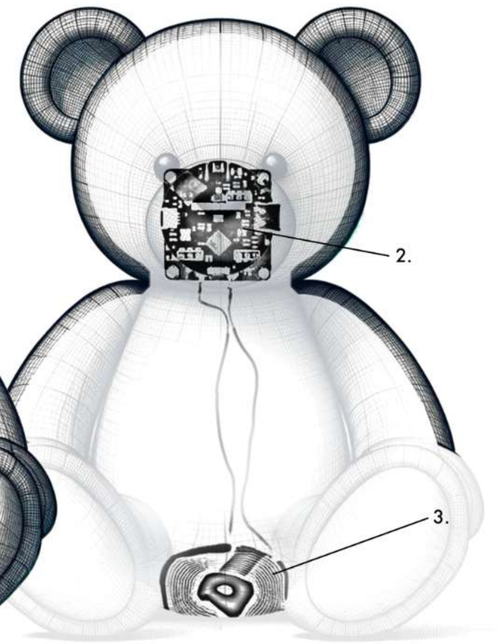
Air Bear Side View (45deg)



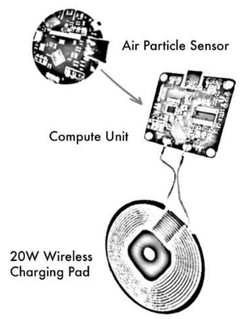
Air Bear Frontal View



Air Bear Frontal Sliced View



Internal Components

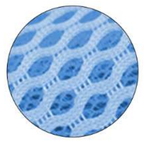


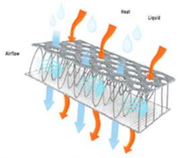
Air Bear Charging Diagram

Key

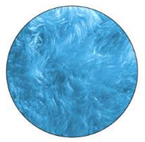
1. Mesh Nose, to allow for air to pass through
2. Air Quality Sensor and Compute Unit placed behind mesh nose
3. Wireless Charger placed under torso for seated wireless charging
4. Mesh / Gauze material
5. Light blue fur

Air Bear Fabric Materials



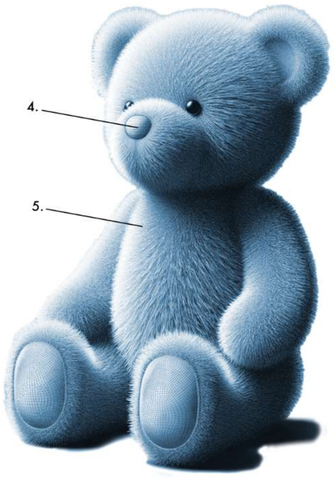


Mesh Fabric for nose of Air Bear to allow for air particles to pass through to sensors. This material can be seen in children's car booster seats.



Light blue synthethic fur.

Air Bear Material Render



Disclaimer: The Air Bear (teddy) renders were created using ChatGPT4 and altered using Adobe Photoshop. The prompts to generate the resulting images were that of my own.

Prompt List:

"CAD drawing of the front view of a teddy bear. Ensure the teddy bear is seated and can be seen through. The teddy must be furry and cute."

"Side-view CAD drawing of the seated teddy bear, created in the same wireframe style as the front-view."

"Create an image of the teddy bear lying on its back, with a smaller wireless charger beneath it. The bear should be in a relaxed position, indicative of a charging process. The image should maintain the wireframe CAD style of the uploaded photo. The charger should be proportionately sized to suggest it is a fit for the teddy bear."

"Generate the side-view image of the front-view bear in the same style"

Air Bear Interaction Specification

Attach Air Bear to outside of schoolbag

Situating the Air Bear outside of the bag allows for airflow to more easily enter the nose of the bear to reach the internal air quality sensor. This makes for more accurate readings.

Night Routine

Placing the Air Bear in the room of the child will allow for continuous data collection. Please keep out of reach of the child.
Data collection will continue while the Air Bear is wirelss charging. Beware of fire hazard.

Do not hold your Air Bear by the head as it will nullify with the accuracy of air quality sensor readings.

If manoeuvring your Air Bear, hold it by the arm, hand or foot as to not block air intake to the air quality sensor.