# BIOSON

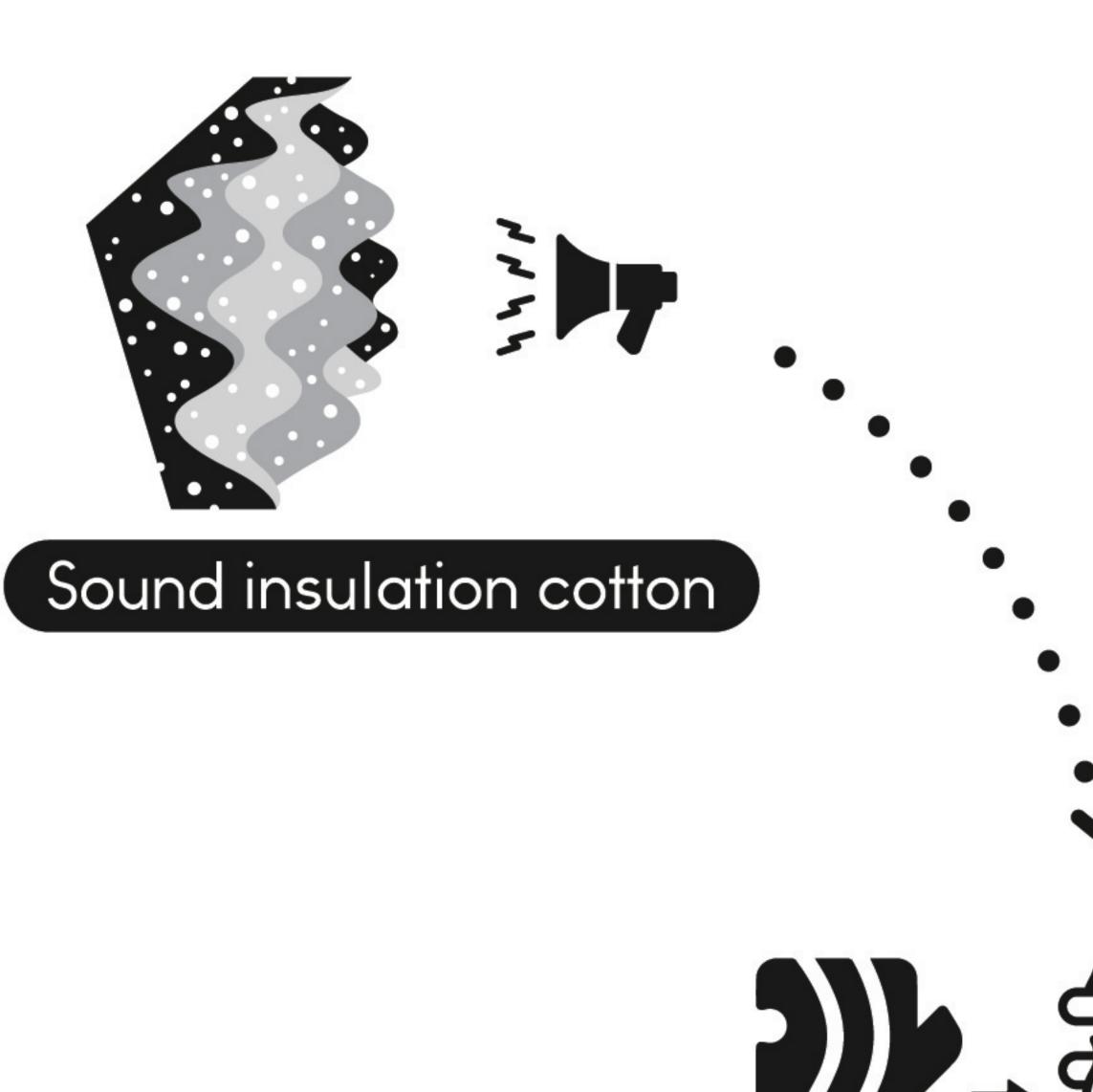
How to use waste wisely?

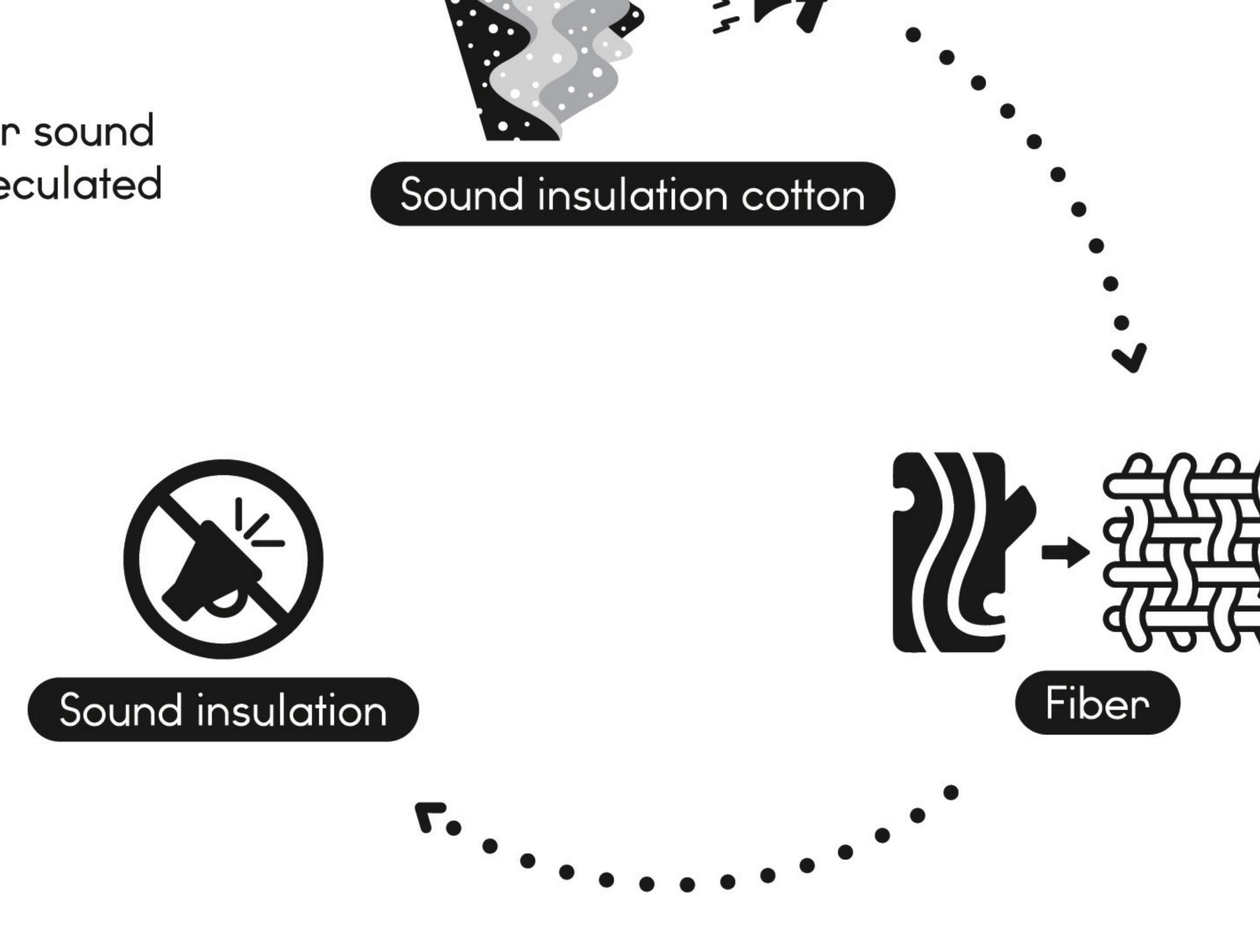
Video: https://youtu.be/gEvDArZG\_pE

2 People Teamwork Project Time Duration: 7 weeks

ISSUE

Sound-absorbing cotton can be used for sound insulation, and is a fiber, so it can be speculated that the fiber is soundproof.







### EXPERIMENTAL METHOD





Test decibel

Fiber -

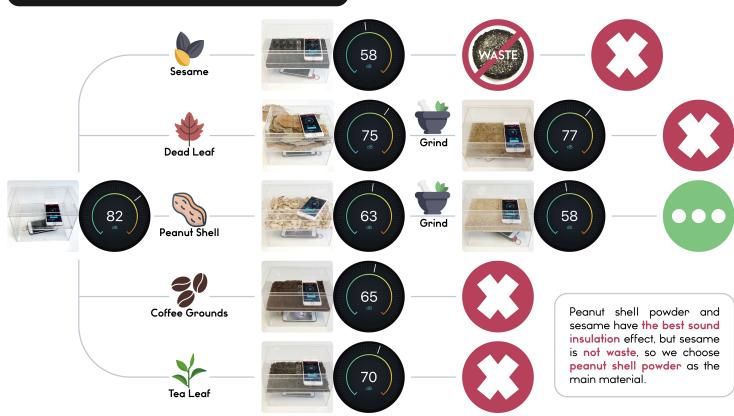


3 Glue with acrylic glue

Sound insulation cotton: the main component is fiber

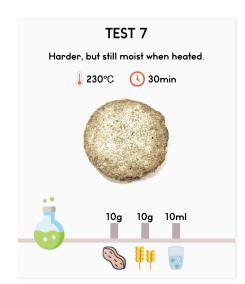
# Sound -

### FIBER ACOUSTIC INSULATION EXPERIMENT

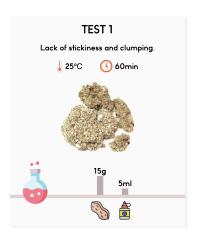


### ADHESIVE SELECTION EXPERIMENT



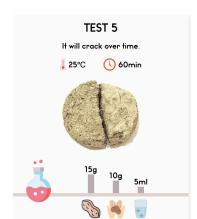


Find better polymerization of peanut shell powder, molding method, best demoulding, and most stable.

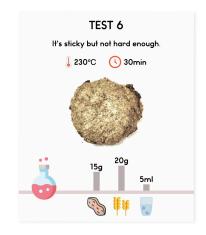






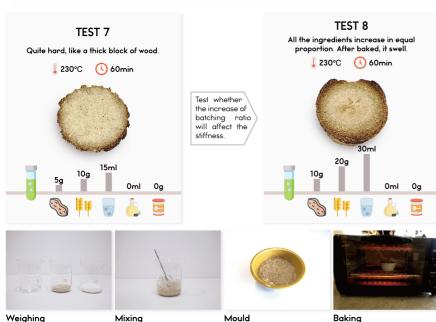


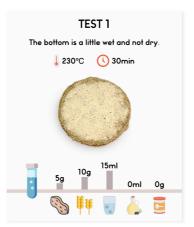


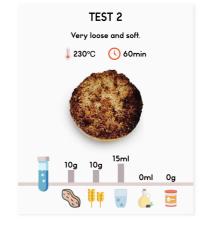


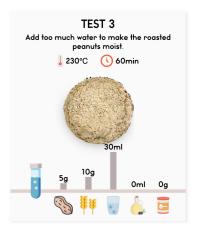
### ADHESIVE PROPORTIONING EXPERIMENT

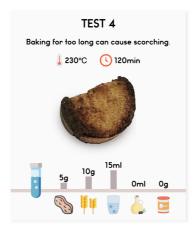


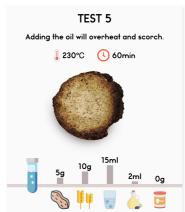


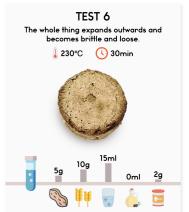












### SOUND INSULATION TEST

The hard peanut shell powder after polymerization has the same sound insulation as before, or even better.



Mix peanuts and flour







Bake in oven

Stir until thick

Add water









Take out from dish

Cut

Test the decibels without peanuts



A reduction of about

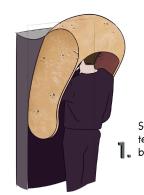
27 decibels

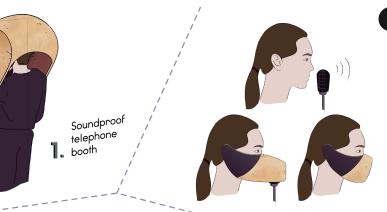


Add peanut board

106

About 106 decibels





Separate the sound, let the music gather more, as a mobile phone audio stand

# **CONCEPTS GENERATION**

Satirize many anchors who sing in public & provide space to sing without disturbing others



3. Private singing space

## WORKING PROCESS

