

Design your own invention

Build a gadget for your grandmother using only your 40-in-1 kit

THE PROMPT

Design something that would make your grandmother's life easier. What does she forget? What does she ask you for help with? What would surprise her?

STEP 1 - WHAT PROBLEM ARE YOU SOLVING?

Problem: _____

Why this matters to her: _____

STEP 2 - SKETCH YOUR GADGET

Draw your invention here

STEP 3 - WHICH COMPONENTS WILL YOU USE?

- | | | |
|---------------------------------------|--------------------------------------|--------------------------------------|
| ☐ LDR | ☐ IR sensor | ☐ Reed sensor |
| ☐ Flame sensor | ☐ Tilt sensor | ☐ Push button |
| ☐ LED | ☐ Buzzer | ☐ Laser |
| ☐ Motor | ☐ Water pump | ☐ Other |

STEP 4 - BUILD IT AND TEST IT

- ☐ It worked first time
- ☐ It took a few tries
- ☐ It does not work yet - and that is fine

SIGNED BY INVENTOR

Name: _____ Date: _____