YOUR CHALLENGE (MADE CLEAR)

To iteratively design, prototype, and test an interactive device (ex.s).

Your device must:

- be a physical thing that you make interactive using the Grove kit.
- change color, light-up, make sound, and/or physically move or transform
- (satisfy any other requirement of the challenge in a given 2730 year).

The research questions you will answer by conducting HCD research:

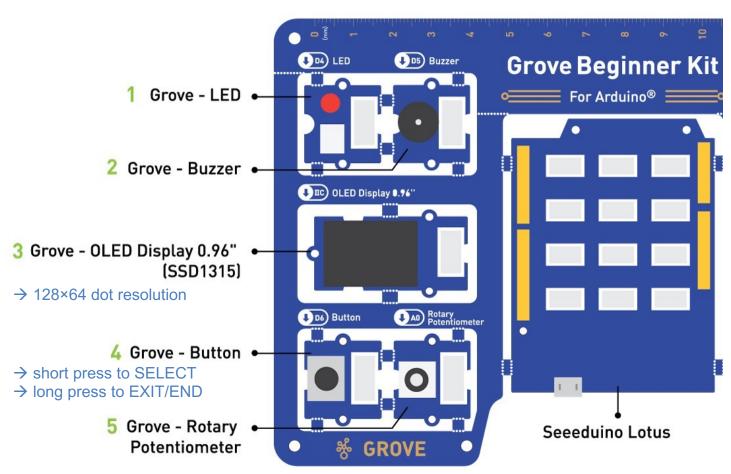
- Can an interactive device make people more aware of climate change?
- Can an interactive device help remediate climate change, even in a very small way?

Kelth Evan Greer

Grove Beginner for Arduino

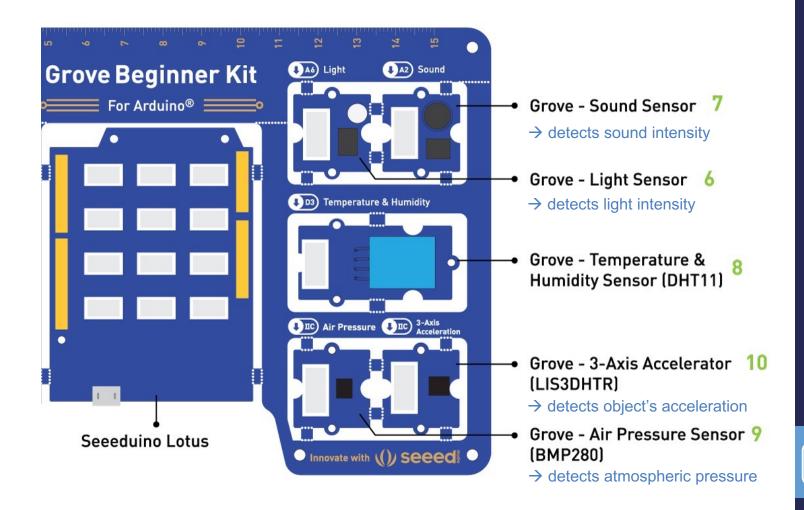


Grove Beginner for Arduino



- → a rotary dial (e.g. a volume control)
- → use to scroll on OLED display

Grove Beginner for Arduino





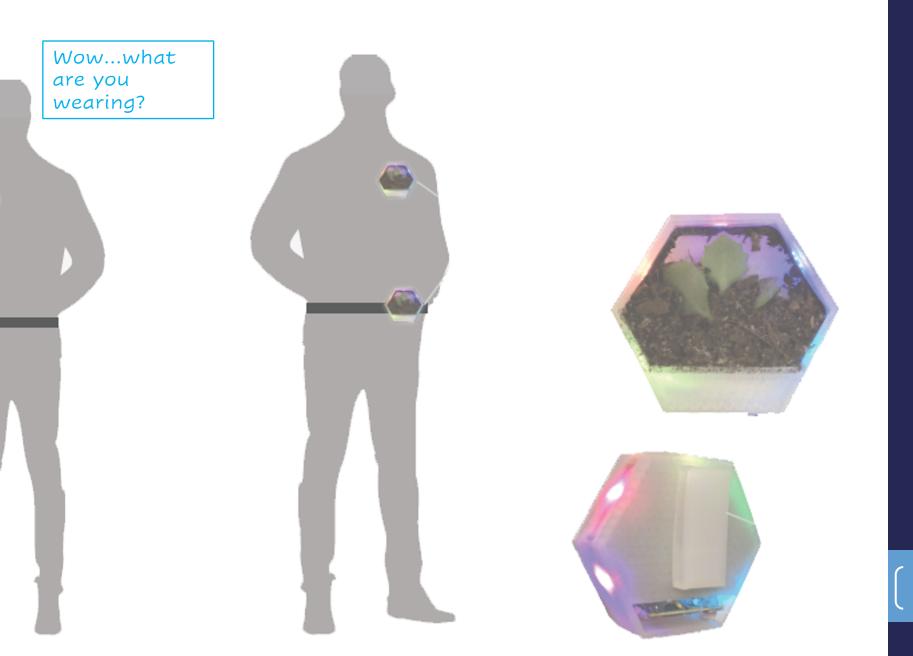
EXAMPLE FROM 2370

Planti-pak: The Grove kit's CO2 sensor measures air quality (Input); Grove colored lights (Output) help grow the plant and make us aware of plant health. A wireless link to an app awards point for our care!









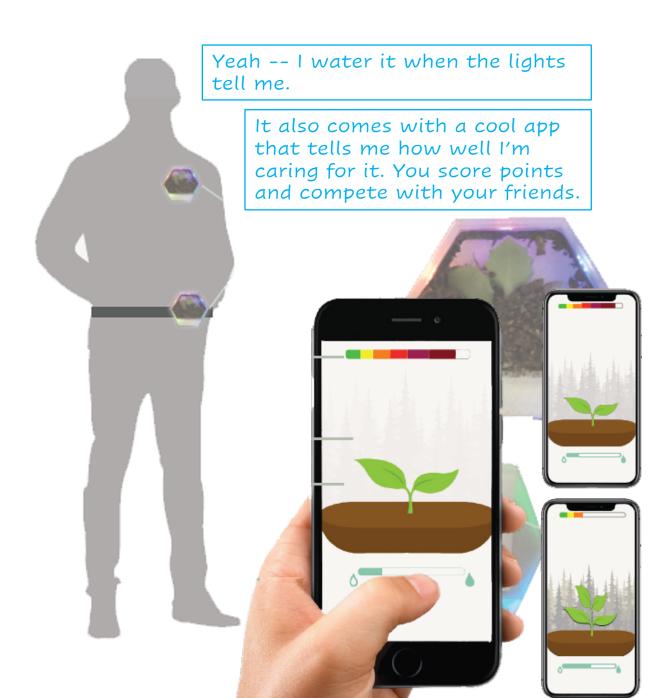


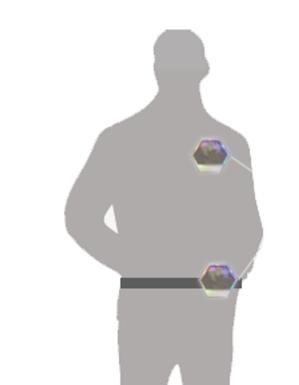


Do you water it?.







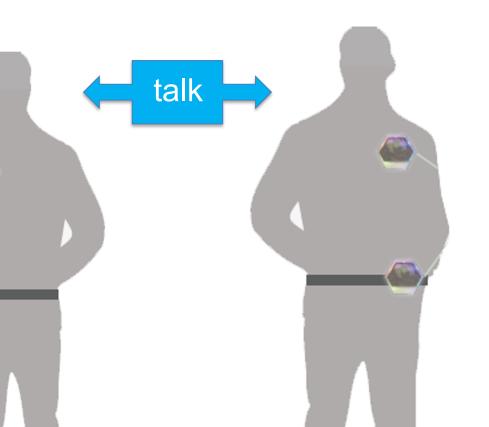




A TEST:

The research questions you will answer by conducting HCD research:

- Can an interactive device make people more aware of climate change?
- Can an interactive device help remediate climate change, even in a very small way?





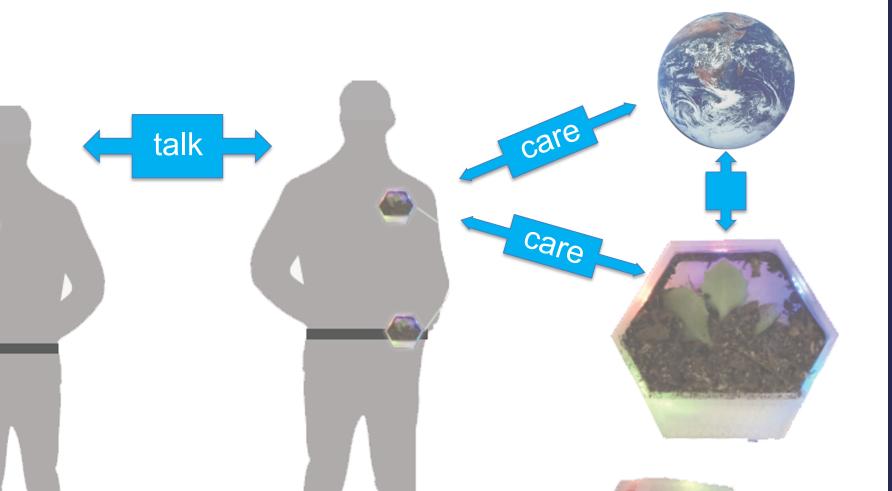
The research questions you will answer by conducting HCD research:



Can an interactive device make people more aware of climate change?



• Can an interactive device help remediate climate change, even in a very small way?



The research questions you will answer by conducting HCD research:

- X
- Can an interactive device make people more aware of climate change?
- X
- Can an interactive device help remediate climate change, even in a very small way?

Do these design proposals meet the requirements of our challenge?

PROPOSAL ONE:

An apron that has a large screen on it. The screen shows you how well you are using up all your food when you prepare a meal.

NO: A screen mostly relies on text or images; it doesn't change color, make sound or physically move. And is there enough interaction with others? (Maybe, but only with roommates, guests?)

PROPOSAL TWO:

A shoulder pad that collects solar energy and charges my phone.

➤ NO: charging your phone doesn't change color, make sounds or physically move the shoulder pad. And it doesn't help "make people aware of climate change" because charging your phone is something not visible to them, so they wouldn't notice.