Four futures, one choice.

A 'choose your own future'
story for kids.

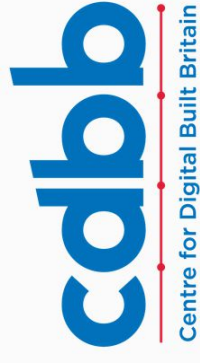# Welcome!

Cameras Off Please

Miro board link: https://miro.com/app/board/o9J_IO1ZNOg=/

Password: 4futures

Interact on Twitter with #4futures1choice, or send email to engagement@cdbb.cam.ac.uk

Centre for Digital Built Britain

CAMBRIDGE FESTIVAL

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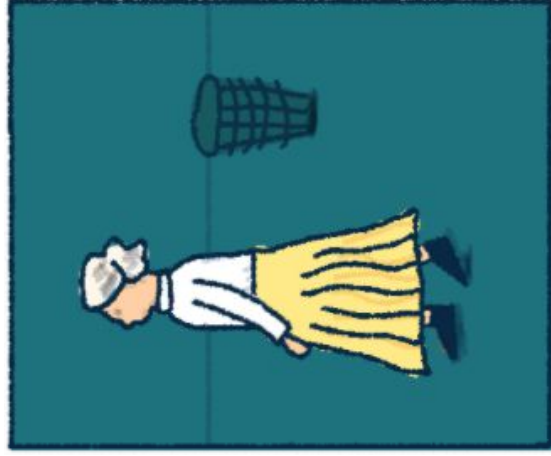# What Are Your Strengths?

| Environmental Outlook	Analytical Reasoning	Building Creation
caring about and being interested in animals, plants and nature	maths, logic, understanding how the world works	physical skills, understanding how to put things together
Creative Thinking	**Caring Nature**	**Systems Thinking**
designing, inventing, solving problems	connecting with people, understanding their feelings and looking after them	digital skills, thinking strategically, understanding how things fit together

A legacy of hope

Generation zero

Too little, too late

Resigned to our fate
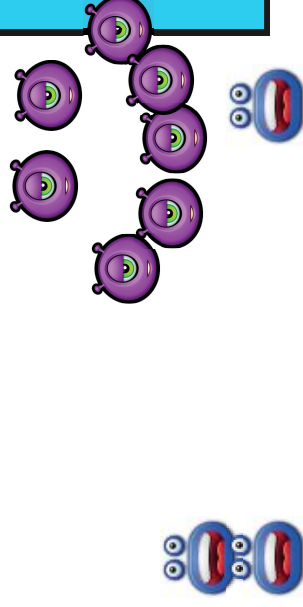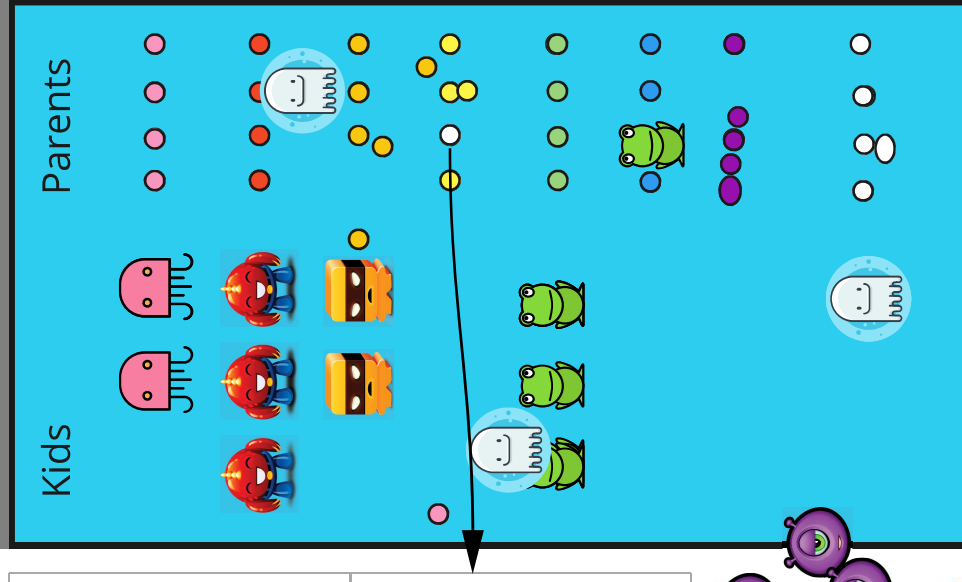
The e-book explores four different futures...
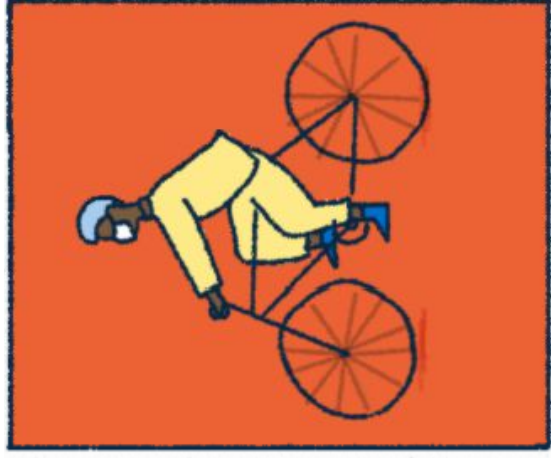
This Session:

- You are introduced to future careers and

- How these careers can help in the future

Generation Zero

There are more people than ever in the UK. That's great because there's lots of work to do, between making new clean energy sources, engineering solutions to capture carbon dioxide from the atmosphere, and designing futuristic cities full of technology that helps people. We have also changed the way we use a lot of land to plant more trees and make room for species that had gone extinct in the UK. One problem that needs to be solved is how to make sure people from cities can enjoy the nature of the UK without damaging or overcrowding it.
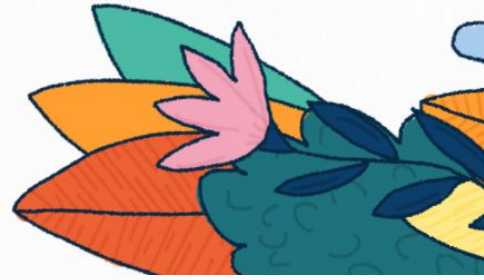
Is it a problem that technology or design can fix?
**That's where you come in...**
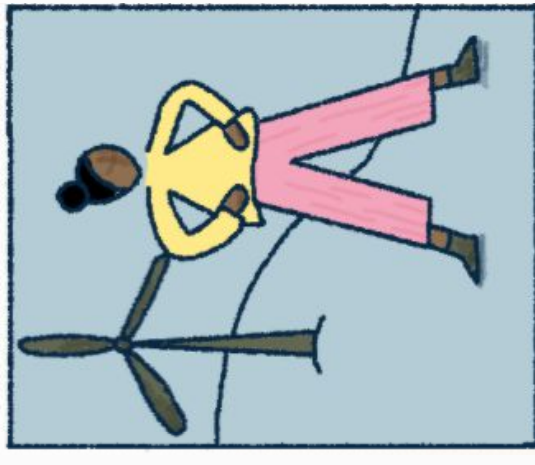
Too Little, Too Late

The changes we've made to help the climate have been slow and small, and so extreme weather, hot summers, and air pollution are still on the rise. One problem we need to solve is how to protect areas of the city where the summers are so hot, with such toxic air, that it's making lots of people sick. How do we make sure people in these areas stay cool and healthy in the summer, and take care of nature at the same time? hi
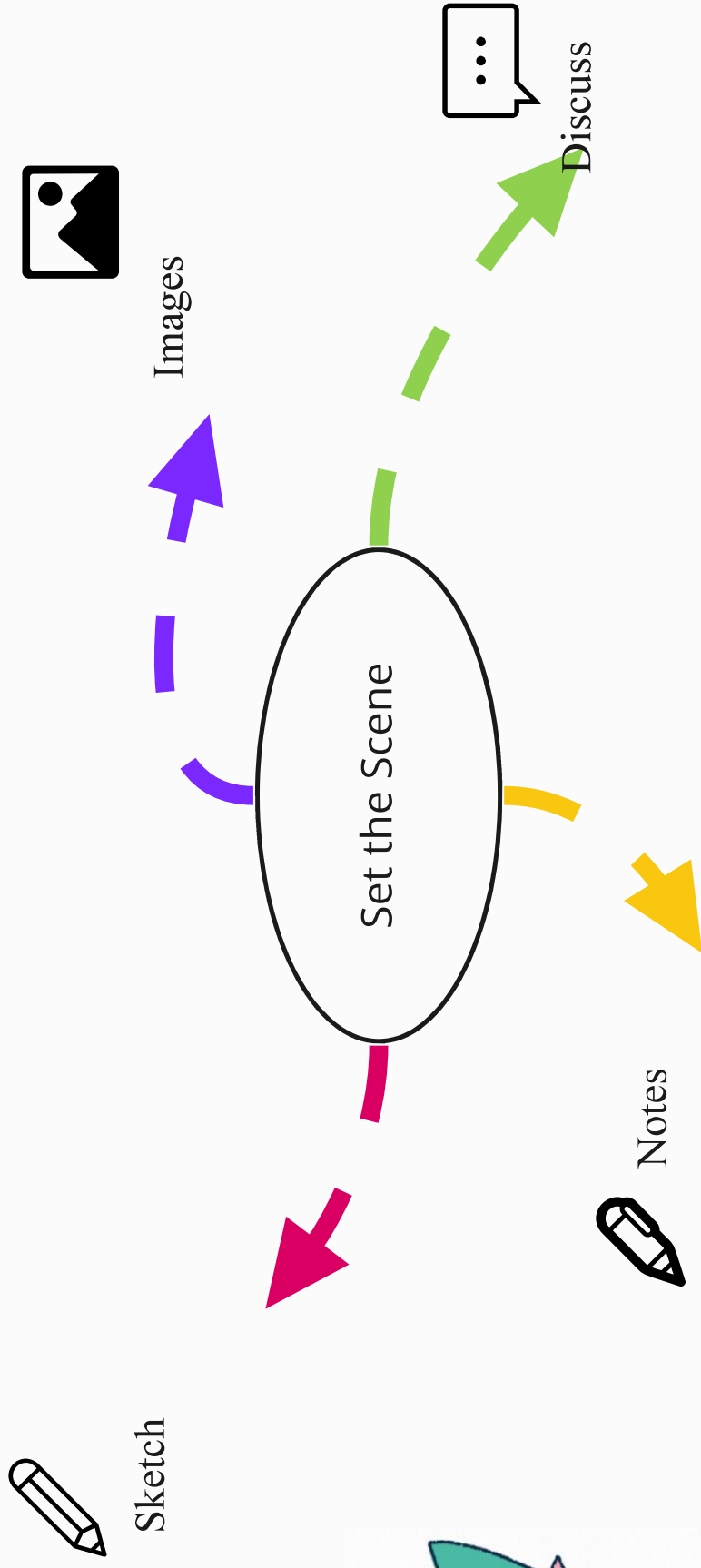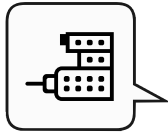
Is it a problem that technology or design can fix?
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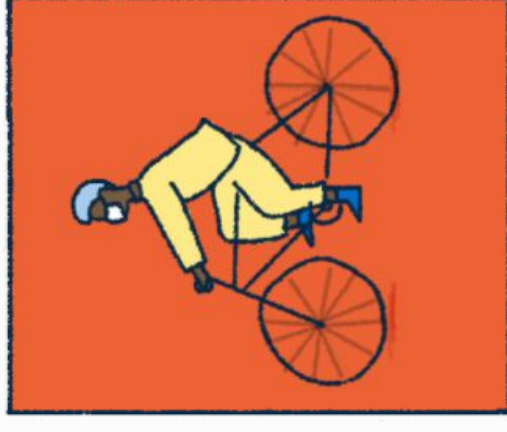
What would it be like...

5 minutes

Set the Scene
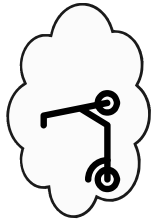
Sketch

Images

Notes

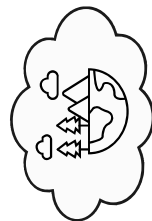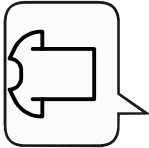Discuss

multi
neon
vest

Buildingsk rooftops used for planting and growing, and beekeeping

vibrainium
helmet

expensive land prices would forc
and engineers would work more

Unusual shaped buildings

Happyness !

Cars and airoplanes and other pollutors are still in use and polluting the world even more, after the adults in 2020's did not learn from their mitakes and from what the scientests published. they so not care about the environment and have just kept on polluting no matter the consequences.

defore station

trees

axe

More extreme weather

There is too much pollution. The weather is very hot. People are not recycling and they don't care about climate change.

cutting down trees to build more buildings

CIVIL ENGINEER

figures out how to put together:

large buildings
roads
bridges
tunnels

SMART SERVICE DESIGNER

designs technology and digital devices can help people get what they need:

healthcare
education
exercise
transportation

SMART CONSTRUCTION PROFESSIONAL

builds large buildings and other big engineering projects

helped by digital technology like:
drones
virtual reality
3D printing

CITY DESIGNER

understands what communities and nature need

designs how buildings, streets, parks and other things will fit together

make cities better

Civil Engineer

Civil engineers should start making roads and more places with new renewable ideas such as magnetic roads or roads which recharge the cars as they run

Have to design bridges to withstand exteme weather.

City Designer

City designers will have an easy(ish) job but the lack of care of the environment will make it easier as they will not need to take into account the effects they have on the environment. they can make as many factories and large polluters as they need without a care for the world.

Adapt quickly when things are going wrong, so tunnels become shelters, stadiums become vaccination sites etc.

Smart

for things that are transportive all things are remote controlled

fo

Transportation like busses and trains adapt schedule to extreme weather

People are automatically alerted on their phones when weather is bad

Smart Construction Professional

Cars, vehicles and modern technologies that are currently polluting and causing problems for the world have not been made healthy in this example

Technology focused on climate change mitigation.

have the right skills

service designer would need to take into account the state of the world and would have to work around the barrier of how we are destroying the world. they should get renewable deliveries if their service is in products.

walls that can adjust to the weather using solar panels

• stairs that people on wheelchairs or crutches can easily move in buildings
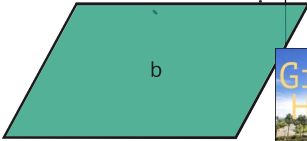
**Civil Engineer**

remotge controlled diggers

b

use better materials for different tools or constructions

helping savilitiens with disabilities and probelems

DISABLED PEOPLE

Lorem ipsum dolor sit amet, unum aeterno scripta pro ei, assum comprehensam cum eu, ei virtute placerat sed. An his oblique invidunt, sed ea habeo constituto et ignota similique sea, ancillae democritum vis at. Mei id ubique eripuit. Te mei prima latine appellantur, pri no suscipit percipit, at reque facilisis forensibus pri.

City Designer

smart infrastructure

Green-Roof House

for people who need security think of using passwords for different items like fridges
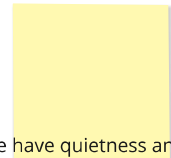
ensure efficient use of space on buildings so that people have quietness and privacy but there's still lots of green space and trees within eyesight of ceveryone
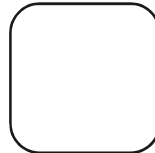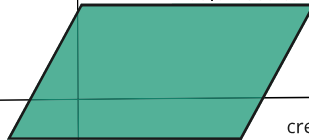
Smart Service Designer

smart service designer: mobile technology to let people know when their doctor appointments are.
Automatic appointment renewal. Alerts to watches for transport

Smart Construction Professional

would need to consider what happens to building materials at the end of the building's life
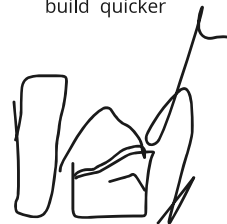
create speedy links between large conurbations that don't pollute the route
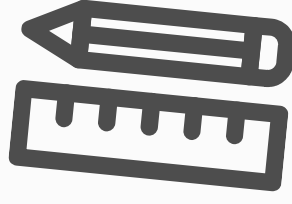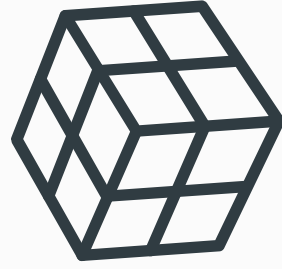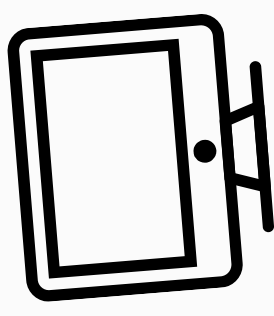
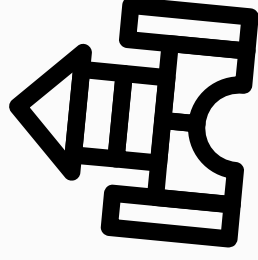build quicker

Designing buildings with excellent environmental credentials.

Final Ideas
10 minutes

EVERY LITTLE HELPS

to help peoples lives be kind and think for even just 15 muins a day ways to help people in our futer in everyday life for them even just this will help them masivly if everyone dose this

Love this!

Green becomes the norm

robot toilets

so cool

😂 1   😅 2

infinite treeeeeeeeeeees

Remove long-term climate decisions from politics - the people in charge change too quickly to be effective in the long term

Affordable smart technology could reduce waste of all sorts - food waste, wasted hospital appointments, over-ordering in construction

There could be a public transport App that allows everyone to book their place on the (electric!) bus or train. This could reduce overcrowding of public transport and cap the number of people travelling to the countryside or beach at any one time.
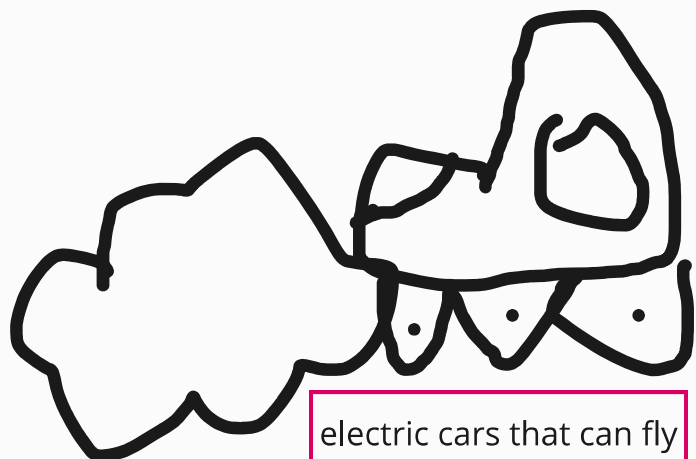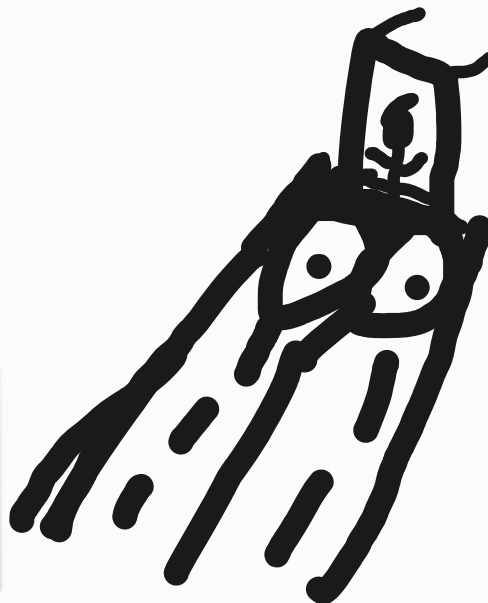
I found the civil engineer job quite interesting because i think they could make a road which, as the cars drive over it, they recharge because the kinetic energy from the car turning into thermal energy gets completely wasted when driving, so i think they could make a material in the road and in the engines of cars which absorbes the thermal energy from the tires and converts it back into chemical energy which can therefore be put back into the cars, which in turn will not damage the atmosphere as much. this will also lower the fuel prices and encourage many more people to use cars to travel as it will be a lot cheaper which can make the use of airplanes go down which is a big factor when it comes to saving the atmosphere and environment. Preferably the energy used to power the cars in the first place would be renewable so that the energy being used would not damage the environment. this would also make the use of renewable energy go up as the main reason why people don't use renewable energy is because it takes a lot to actually create a little bit of renewable energy, but if we reuse renewable energy then it would be easier to supply large amounts of it and we wouldn't need to create lots of it in the beginning.

Instead of always building something to solve a problem, we should plant more trees, wildflowers and support nature to let it help us with weather, air quality, flooding and happiness!

a hat that makes people calm

a bug that eats pollution

city designers can design liveable and accessible cities for all

electric cars that can fly

How did we do?

Final Thoughts...

The end.

design...
engineer...
construct!

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