

# Challenge cards

Cut up the cards and pick one to get started.

What does this make you think about? What problem do you need to solve? What invention can you come up with?

You can also make up your own or adapt one of these!



Invent a children's playground that  
generates green energy

Invent a new way to package food  
and drinks that doesn't use plastic

Design a house made from things  
you can find on the beach

Invent a method of transport using  
butterflies

Invent an item of clothing that will  
attract bees and butterflies

Invent a device that protects trees  
from illegal logging

Invent a train that can also travel  
across the sea

Invent a hat that harnesses green  
energy to power all your devices

Invent a gadget to pollinate flowers

Invent a use for empty coconut  
shells

Invent a way to use a volcano to  
heat a city

Invent a way to get rid of the  
smog in cities

Invent a way to rescue animals  
from wildfires

Invent a jacket that can be useful  
in a flood

Invent a way to grow plants in the desert

Invent a cup that can clean dirty water before you drink it

Invent a way to fix the holes in the ozone layer

Invent a way to get rid of the 8 million tonnes of plastic that enter in the oceans each year

Invent a schoolbag that can protect you from pollution

Invent a way to stop rivers from flooding

Invent a mobile phone powered by green energy

Invent an eco-friendly bath tub that has lots of uses

Invent a way to recycle your  
household water

Design an adventure playground for  
squirrels

Invent a use for the recycled hair  
from hairdressers' floors

Design a treehouse for birds, insects  
and small animals

Invent a way to get fresh water to  
people in the world who need it

Invent a way to stop wildfires from  
spreading

Invent a space rocket that doesn't  
use fossil fuels

Invent an umbrella that has lots of  
different uses

Invent an eco-friendly way to transport goods between continents

Design a skyscraper where birds, insects, pondlife and small animals can also live

Design an eco-friendly classroom for your school

Design a city for insects

Invent a musical instrument that generates electricity

Invent a use for the 160 million used teabags thrown away in the UK every day

Invent a home recycling unit

Invent a bus shelter that's also a greenhouse