Eco-inventor challenge

Draw or write about as many ideas as you can starting with a cardboard box and thinking of all the possible creations you could design. Try your hand at junk modelling it into a brand new invention and using other recycled objects to bring your idea to life. Why not add a coding element to get your model moving and talking using a micro:bit or Raspberry Pi? No idea is off limits.

1. Ask
What is the problem?
What are the constraints?

2. Imagine
Use this blank space to map out all your ideas, then, select the best one for your invention.

Need some inspiration? **theiet.org/inventor**

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3. Design

Now it's time to refine and add detail to your creation! Draw your final design here and add labels to show how it works. What materials and tools do you need?

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4. Build

It's now time to have fun and turn your design into a model!

Don't forget to take photos of your finished cardboard box design as well as of this sheet and add them to social media so we can see and share them! Happy modelling!

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