

## Fixing

1. Fix something you wear. For example, sew on a button, mend a rip or hem a pair of trousers. Then, put together a sewing kit which you could use for future repairs.
2. Fix something which moves. Pick a transport method (e.g. bike, car, scooter, tractor, boat) and find out about five common repairs. Try out at least one of them, e.g. top up the oil in a car or pump up the tyres on a bike.
3. Fix something at home. Create a maintenance guide for your home - include testing the smoke alarms, common maintenance and how to turn off gas, electricity and water. Then, demonstrate a skill you would need as a homeowner, such as putting up a picture frame, changing a drawer handle or fixing a squeaky hinge.

## Investigating

1. Make your own detective kit and use it to investigate the evidence people leave around your home every day. Gather at least two types of evidence - e.g. dust for fingerprints, take photos, collect hair fibres or make plaster casts of shoe prints.
2. Perform two science experiments to explore the world around you. There are lots of ideas online, or you could try some of these:
  - Extracting DNA from fruit
  - Colour chromatography
  - 'Catching' air pollution using paper plates and Vaseline
  - Creating a robot arm
  - Growing crystals
  - Making a lava lamp
3. Look at how different media sources (e.g. TV, newspapers, social media) report differently on exactly the same news story. Then, investigate a local news story and report on it.

## Saver

1. Create something to show how you usually use your time each week. Then, find space to add in three new things:
  - Do something new (up to 2hrs)
  - Learn a new skill (up to 2hrs)
  - Go somewhere new (for as long/short a time as you like)Try to stick to your new schedule for a week!
2. Think about the money you spend and the money your family spends on you. Total up how much is spent on you in a week (food, clothes, getting around, treats, etc.). Then, make a list of simple ways you could save money. Try out your new budget - can you stick to it for a whole week?
3. Look at your home's electricity meter at the start and end of a week and work out how much electricity was used. Then, make a list of ways to save electricity. Repeat the experiment, trying to save as much electricity as possible. Did you use less electricity the second time?

## Upcycling

1. Make a small, useful item out of upcycled materials.
2. Upcycle a large object to save it from a life in the bin. You could upcycle an old piece of furniture, or something from your recycling bin.
3. Create ten top tips for upcycling and share them with others to inspire them to have a go.