

## **Design a solar powered vehicle!**

Atkins ran a competition in Oxfordshire Schools Why not run a competition in your school?



**1. Draw your vehicle in the box. You can use bits of foil or coloured paper or fabric if you like!**

**More instructions →**

# ATKINS

## **Design a Solar Powered Vehicle!**

The sun provides us with energy in different ways.

### **Solar Thermal Energy.**

Ever wondered why dark or black plastic items left in the sun get hot? Dark things absorb the heat from the sun's rays. Cold water in black plastic tubes would soon get hot if left in the sun. You could get hot water for free! Can you design a car that runs off hot water?

### **Photo Voltaic Solar Panels**

These solar cells change light straight into electricity. Maybe there is a small one in your calculator? Can you design a car that runs from electricity?

**Want to know more about solar energy? Log on to [www.ManagEnergy.net/kidscorner](http://www.ManagEnergy.net/kidscorner)**

Thinking about all of these different ways of using energy from the sun can you design a car powered by sunshine?  
Special features you may want to include or think about...

- How will it stop?
- Is the car heavy or light?
- How will it stay cool?
- Does it have a back up plan if it gets cloudy?
- Where would be the best place to use this car? And what is it like there?

**Remember to label all of your exciting features on your vehicle.**

Name:

Age:

School:

Class:

Return to your teacher or send to Judy Turton, Atkins, Oasis Business Park, Eynsham OX29 4AH and we will put the best ones on our website!