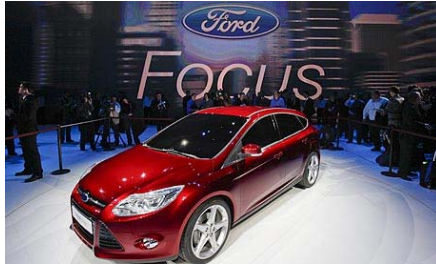


# Top Trumps Vehicles



## Objectives:

- To raise students awareness of choices of vehicles and the environmental impact of different cars.
- To encourage investigation considering different modes of travel.

## Action:

- Cross- curricular exploration of different types of cars and their social, economic and environmental aspects.
- These activities are designed for the use of Key Stage 3/4 teachers although they can be adapted for teaching for any age. We have aimed to design activities that are flexible enough to be adapted for the needs of your class, regardless of ability, or year group. The activities could form a series of lessons or can be used to raise awareness of sustainable travel issues as part of a cross curricular day.

## Activity:

### Starter:

Write down five different types of car. Rate these vehicles from best to worst. What criteria do you use to make your assessment?

### **Pupil Activity:**

Design a set of Top Trumps cards for a variety of different cars. Use a suitable IT package to help you such as a template from Publisher. Make sure your cards have a good design and are colourful and well presented. You can import the data and pictures from [www.topgear.com](http://www.topgear.com) which has all the current makes of cars and [www.conceptcarz.com](http://www.conceptcarz.com) which has fancy ones. You may also like to use Microsoft Access to help you organise the data.

Put categories on the cards and award points for each vehicle. Consider the scoring carefully for each category. Some suggestions for the categories may be:

- Speed
- CO<sub>2</sub>
- Passengers
- Price
- Range or mpg
- Fuel cost



### **Discussion:**

Compare your cards with your friends.

Have you given the same scores for similar cars? Discuss whether highest or lowest in each category is best. What about price? If price is low it may encourage switch to low emission versions but it does encourage more car use.

Talk about your cards.

Play against a friend.

### **Plenary:**

Which cars are more environmentally friendly? Do you think people currently want to buy these types of cars? What would encourage more people to purchase a 'green' car?

**Resources:** IT facilities

**Time:** This activity could be used as for one lesson or as a series of lessons to give the pupils more time to complete their cards.

**Extension:** Play 'Eco Vehicles' top trumps produced by marches energy agency [www.meo.org.uk](http://www.meo.org.uk),