

Use the images and text in the slide show and the information below to lead a discussion.



[Download the PowerPoint Slideshow: Transport Footprints \(2.88 MB \)](#)

Remind pupils that a footprint is a way of exploring our impact on the planet. Explain that this week they will be studying the slice of footprint that represents transport. Before looking at the pie chart of transport emissions, ask pupils why they think the transport portion of the footprint graph is so big. Draw on their findings from the transport survey.

Explain that the transport slice of the footprint graph has been broken down into more detail to make the pie chart of transport emissions.

Discuss with pupils the various types of transport featured. Encourage pupils to offer their own experiences of different types of journeys they have made. It is very important not to make them feel guilty! Many pupils will have flown to holiday locations, and probably enjoyed the experience. Some pupils may have gone on holiday to Europe by train, coach or car, and maybe by ferry.

(More detail about transport of goods will come under following modules. But it is a good opportunity to introduce the fact that ship freight is more efficient than is often thought.)

Encourage the pupils to discuss journeys within Wales and the UK. How do they travel to school, or visit relatives, or go on days out?

Use the images to explain the impact of the various forms of transport. Flying and cars have the biggest share per passenger. We fly less than we drive, but flying uses more fuel, and the CO₂ has an even greater impact when released at high altitudes. Cars have such a large impact because we use them so much, often for short journeys and with one person in them. Trains and buses are more efficient because they can transport large numbers of passengers at once. Of course a bus with only one or two passengers is much less efficient!