



## The school run

Most children in Scotland live less than 5km away from their school.



How does the way we travel affect our carbon emissions? Here are some common ways of travelling and the amount of CO<sub>2</sub> they produce...

5km in a **car** = 0.57kg CO<sub>2</sub>

5km on the **train** = 0.26 kg CO<sub>2</sub>

5km on a **bus** = 0.445kg CO<sub>2</sub>

5km travelling **actively** (walking, scooting, cycling, sledging) = 0!

## How much is that over a whole school year?

If we take the above 5km journeys and apply it to a whole school year of travelling (190 days) to and from school then the amount of **Carbon** produced looks like this:

**Car** = 217 kg (that's the same weight as 24 sausage dogs or 5 toilets!)

**Train** = 99 kg

**Bus** = 169 kg

**Active travel**, run, cartwheel, rollerskate, space hop = 0kg!



To help you imagine the weight of carbon produced, these animals all weigh around 200kg!

## Questions

- 1) If a class of **30 pupils** travelled to school by car everyday for a year how much CO<sub>2</sub> would be produced from their journeys?
- 2) In a school with **100 pupils**: 30 pupils travel actively, 10 travel by train, 30 travel by bus, and 30 travel by car, how much CO<sub>2</sub> will these journeys produce over a school year?
- 3) A typical 60 year old Oak tree removes **10 kg** of carbon emissions each year, how many 60 year old Oak trees would we need to remove **12,570 kg** in a year?
- 4) If you travelled 5km to school by bike and 5 km home every day for **190 days** (a school year) how far would you have travelled by the end of the school year? Can you find somewhere on a map that is the same distance away from your house?

Enjoy this activity? Use #stayhomestayactive and tag us @SustransScot on [Facebook](#) and [Twitter](#).

Make sure you get permission first!

Funded by Scottish Government and delivered by Sustrans in partnership with local authorities, I Bike promotes cycling, walking and scooting in schools. I Bike encourages exercise and reduces congestion by empowering teachers, parents and pupils to travel actively, safely and confidently to school.

Find out more at [www.ibike.sustrans.org.uk](http://www.ibike.sustrans.org.uk)