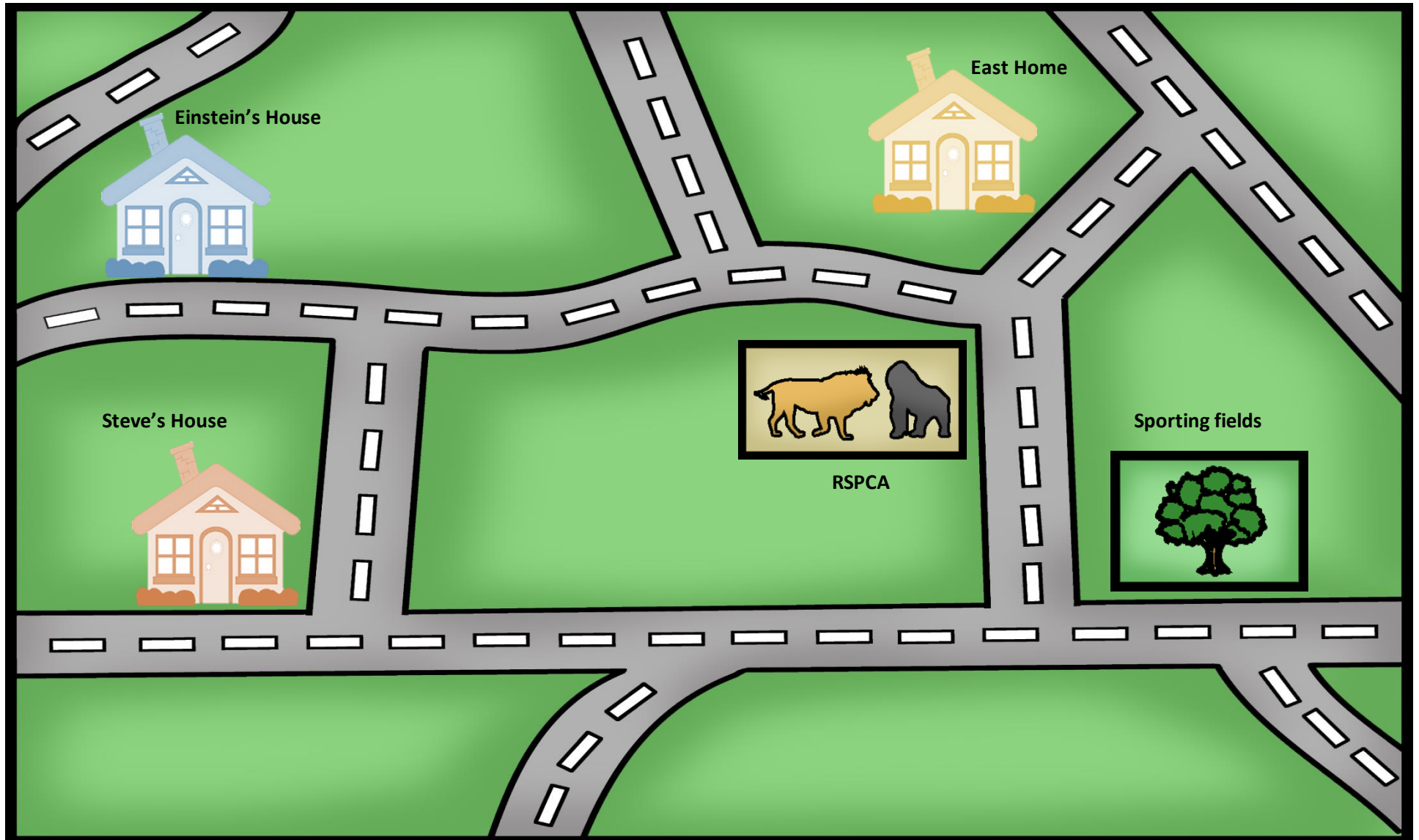# PETSVILLE MAP

WHO DYED?
THE MYSTERY OF THE PRINCIPAL'S PECULIARLY PINK POODLE

During police interviews, all four suspects stated that they had alibis for the time between 4 and 5:30pm. These alibis have been written below, but one doesn't make sense. It is up to you to decide who had time to dye the principal's pooch pink.

You will need to use all of your detective and maths skills (and the formula below) to calculate if the suspect's alibi is truthful. To help, consider the speed and the distance travelled by each suspect.

$$Time = \frac{Distance}{Speed}$$

Mel	Says she clocked out of work at 4 pm and walked 2km to the sporting fields for netball training. She walked at an average speed of 8km/h and arrived in time for training at 4:30pm. At 5:30pm she went to dinner with the team, and arrived home at around 6:30pm. Sandy, the waitress at the diner, remembers the netball team coming in for dinner. They were dressed in bright pink and took up two tables but were polite diners.
Steve	Says he left work at 4pm, and went to the grocery store to pick up some things for dinner. At around 4:30pm he got home, and decided to take Red Dog for a walk. They walked for a distance of 15km at a speed of 30km/h. They arrived home just in time to turn on the 5 o'clock news. Grace the grocer remembers that Steve was acting very suspiciously and almost forgot his apples. Mrs Nelly, Steve's neighbour, says that Steve did arrive home from work at around 4:30pm, but he went for a walk alone. He was gone for at least 45 minutes. She remembers because Red Dog barked the whole time Steve was gone!
Lachie	Says he had grooming appointments all afternoon. He checked in to the West family's house and groomed their two pooches between 2 and 3:30pm. Then he had to drive across town – and away from Einstein's house – to the East family's home. He drove at 60km/h for 30km. He says he stopped for a milkshake on his way. He worked at the East home from 4:30-6pm, where he was invited to dinner. The East family say that Lachie did work from 4:30-6pm. They invited him to stay for dinner because he had missed lunch and only had a chocolate milkshake before work.

Cienna	Cienna says that she finished work at 4pm, where she promptly went to visit her Aunt at the RSPCA. While she was there she cuddled three different cats – Spotty, Cally and Ginger. She spent approximately 1 hour at the RSPCA. She then drove home – almost driving past Einstein's house! She drove for 14km at 70km/h and arrived home at about 10 past 5. This have her time to hang the washing on the line and watch the 5:30pm movie.
	Jennifer from the RSPCA says that she remembers seeing Cienna – she was so happy to see the cats! Cienna stayed until closing time – 5pm, and said she hoped to get home in time for the afternoon movie on channel 83.
	Doris, Cienna's neighbour reports seeing Cienna hanging out washing in the afternoon – a silly thing to do since it was going to rain!

Using your book to write down your working out, answer the questions on the next page!

1. After reading the reports, calculate the time spent on travel by each of the suspects?

Mel: _____   Steve: _____

Lachie: _____   Cienna: _____

2. Whose alibi has the least credibility? (Which alibi doesn't agree with the statements of other witnesses?)

Mel: _____   Steve: _____

Lachie: _____   Cienna: _____

3. Write a sentence about who had time to dye the principal's pooch pink before he arrived home at 5:30pm?

_____

_____

Extras for experts!

In teams, use all of the evidence collected throughout the investigation to create a presentation about who you think dyed the poor pooch pink. Remember, you need to convince people that your suspect is guilty! Use the scientific terminology that we used today and your observations to state your case.