



**Resource:**

Snakes and Ladders

**Text:**

Roll the dice and play a game of snakes and ladders. Use the statements to consider the issue of food waste and discuss your views on them. You will become more aware of the benefits of preventing food from going to waste and recycling rather than binning unavoidable food waste.

**Snakes** – these represent the more negative facts and actions associated with wasted food in Scotland.

**Ladders** – these represent the more positive facts and actions associated with wasted food in Scotland.

It involves topical science and skills to express your opinion using the statements.

**Suitable for:**

S1-S2

**Approximate time:**

40 minutes

**Curriculum links:**

SCN 4-20b, SCN 3-20a

**SDGs links:**

3, 12, 13

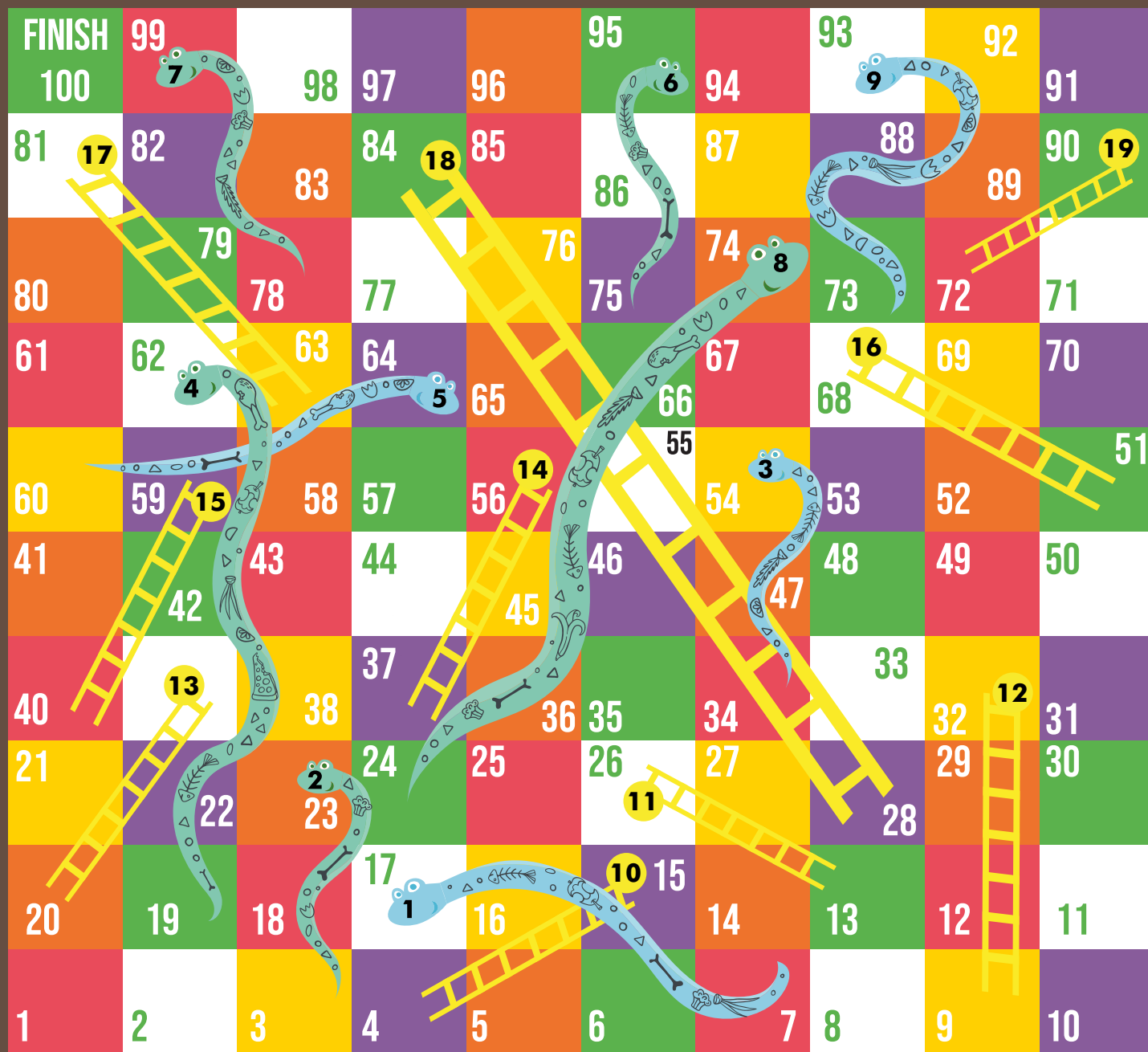


## Snakes

- The United Nations estimates that one third of all food made across the world to be eaten by humans is either lost or wasted.
- Scotland throws out 600,000 tonnes of food every year. This could fill Murrayfield stadium up 4 times over.
- If we added up all the land used to grow food that ends up being wasted it would be the same size as India and Mexico combined.
- Every day in Scotland we throw away 500,000 potatoes from our homes. Tatties that could have been eaten!
- Over 2 million slices of bread are thrown out in Scotland every day from our homes.
- 126,000 bananas are wasted in Scotland every day. Even really brown bananas can be used in smoothies, pancakes and banana bread!
- The orange peel from your lunchbox goes in the rubbish bin rather than the recycling.
- Leftover pasta from dinner goes in the bin. It could have been minestrone soup or tomorrow's lunchtime pasta salad.
- We waste £79 million worth of fresh fruit in Scotland every year. That's enough to give every teacher and learner a piece of fruit every day for a year.

## Ladders

- As a class, you recycle a week's worth of your wasted food. This creates enough electricity to charge your phone for nearly 17 hours.
- As a class, you recycle a week's worth of your wasted food. This creates enough electricity to watch two of your favourite movies.
- As a school, you compost 1 tonne of food waste rather than putting it in the rubbish bin and this stops nearly 1 tonne of harmful greenhouse gases going into the atmosphere.
- It takes 413 litres of water to produce everything in your egg mayo sandwich. You eat it all up and stop all that water and effort from going to waste!
- Growing and producing all the ingredients of your ham sandwich uses 2315 litres of water. You are too full to eat it but share the other half with your best friend and stop all that water and effort from going to waste!
- At home, your family portions and stores food correctly, plans meals and uses up leftovers. By stopping food going to waste that could have been eaten you save £460 a year.
- You have too many bananas and you don't think you'll eat before they go off. You peel them and put them in the freezer to eat as ice cream later!
- You are full up at lunchtime but, rather than throwing your snack bar away, you keep it with you to eat another day.
- You make an omelette with your family for breakfast on Saturday morning and put the broken shells in the recycling bin.
- As a country, Scotland stops food from going in the bin that could have been eaten. This has the same positive environmental effect as taking 1 in 4 cars off the road.



Throw the dice to decide how many moves to make, and move your counter. Each snake and each ladder has a number. When your counter lands on a snake or a ladder, look at the corresponding number on the factsheet on the left to learn more about food waste.

