Santa, the Cheeky Elf, Rudolph and the Carrots

Santa needs to transport a Cheeky Elf, Rudolph, and a bunch of carrots across an icy river on a toboggan to reach the elf workshop ready for Christmas Eve.

Santa's toboggan can only carry Santa and one other character or item at a time, which leaves Santa with a big problem!

If the Cheeky Elf is left alone with Rudolph, the elf will jump on Rudolph's back and fly off for a fun ride.

If Rudolph is left alone with the Carrots, he will gobble them all up!

The Cheeky Elf can safely be left alone with the carrots. Elves only eat candy canes!

RULES

Rudolph cannot be left alone with the carrots.

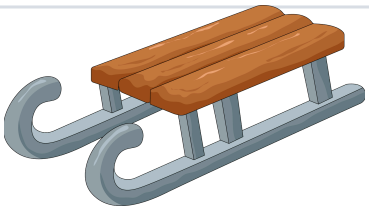
The elf cannot be left alone with Rudolph.

The toboggan can only carry Santa and one other character or item at a time.

Cut out the pieces and use them with the river sheet to solve the puzzle.



Santa



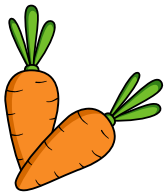
Toboggan



Cheeky Elf



Rudolph



Carrots



Santa, the Cheeky Elf, Rudolph and the Carrots

RULES

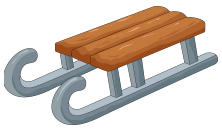
- Rudolph cannot be left alone with the carrots.
- The elf cannot be left alone with Rudolph.
- The toboggan can only carry Santa and one other character or item at a time.

MY SOLUTION

Trip 1	
Trip 2	
Trip 3	
Trip 4	
Trip 5	
Trip 6	
Trip 7	
Trip 8	

Did you keep the elf, Rudolph and carrots safe?

YES ☐ NO ☐









SCIENCE SPARKS

SOLUTION

1. **Santa takes Rudolph across the river first, leaving the Cheeky Elf safely behind with the carrots.**
2. **Santa goes back alone to the other side.**
3. **Santa takes the Cheeky Elf across the river to the workshop. Since he can't leave the elf and Rudolph alone together, Santa brings Rudolph back with him.**
4. **Santa leaves Rudolph behind and takes the Carrots across to join the Cheeky Elf.**
5. **Santa leaves the Cheeky Elf and the Carrots together and travels back alone.**
6. **Finally, Santa picks up Rudolph and brings him across to the workshop!**