

# RACING REINDEER



## You'll need

String/rope  
Two toilet roll tubes  
Pens  
Tape  
Paper  
Timer



## Instructions

Cut two lengths of string or thin rope long enough to create a long zip line. Decorate each toilet roll tube to look like a reindeer. Thread each string through a toilet roll reindeer. Tie the string or rope between two points, one higher than the other. Create a steeper gradient with one string than the other. Hold both reindeer toilet rolls at the top of their zip line and let go at the same time. Time how long each reindeer takes to travel down the zip line. Experiment with different types of string or rope and by changing the incline of the zip line.

**REMEMBER** - only change one variable at time

## Extension Ideas

Add bubble wrap to the inside of the toilet roll to find out if increasing the friction between the toilet roll and the string slows the reindeer down.

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Adult supervision required. You are responsible for your own safety.

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