Winter Science Quest

Are you ready to challenge yourself with a Holiday Science Quest?

Earn 10 housepoints for house by completing a challenge and bringing it into school after the Christmas holidays.

Year 5 and 6

Ice race

Can you free a toy car from a block of ice using pure salt and rock salt? Which substance melts ice the quickest?

You will need

- A small toy car (or Lego brick) in an ice cube
- a tub, a paper towel, timer, tape measure, spoon,
- paper for recording,
- table salt
- rock salt

What to do

1. Place the ice block on the paper towel in the tub.
2. Pour spoons of table salt over the ice cube and rock salt over the other ice cube. (How many spoons of salt will you add?)
3. Decide how you will measure and record the rate the ice melts.
4. Make a hypothesis, measure and record your observations.
5. Create your own table to show your measurements in time intervals and then make a conclusion from your results.

Hypothesis- I predict…….

Results

Time taken	Rock salt	Table salt
1 minute	____mm	_____mm

Conclusion I found out…..