

# Do marshmallows cook faster with a taller parabola?

## Aim:

o cook marshmallows using a parabolic solar trough

## Hypothesis:

We think that a taller box will be hotter than a shorter box

## Equipment:

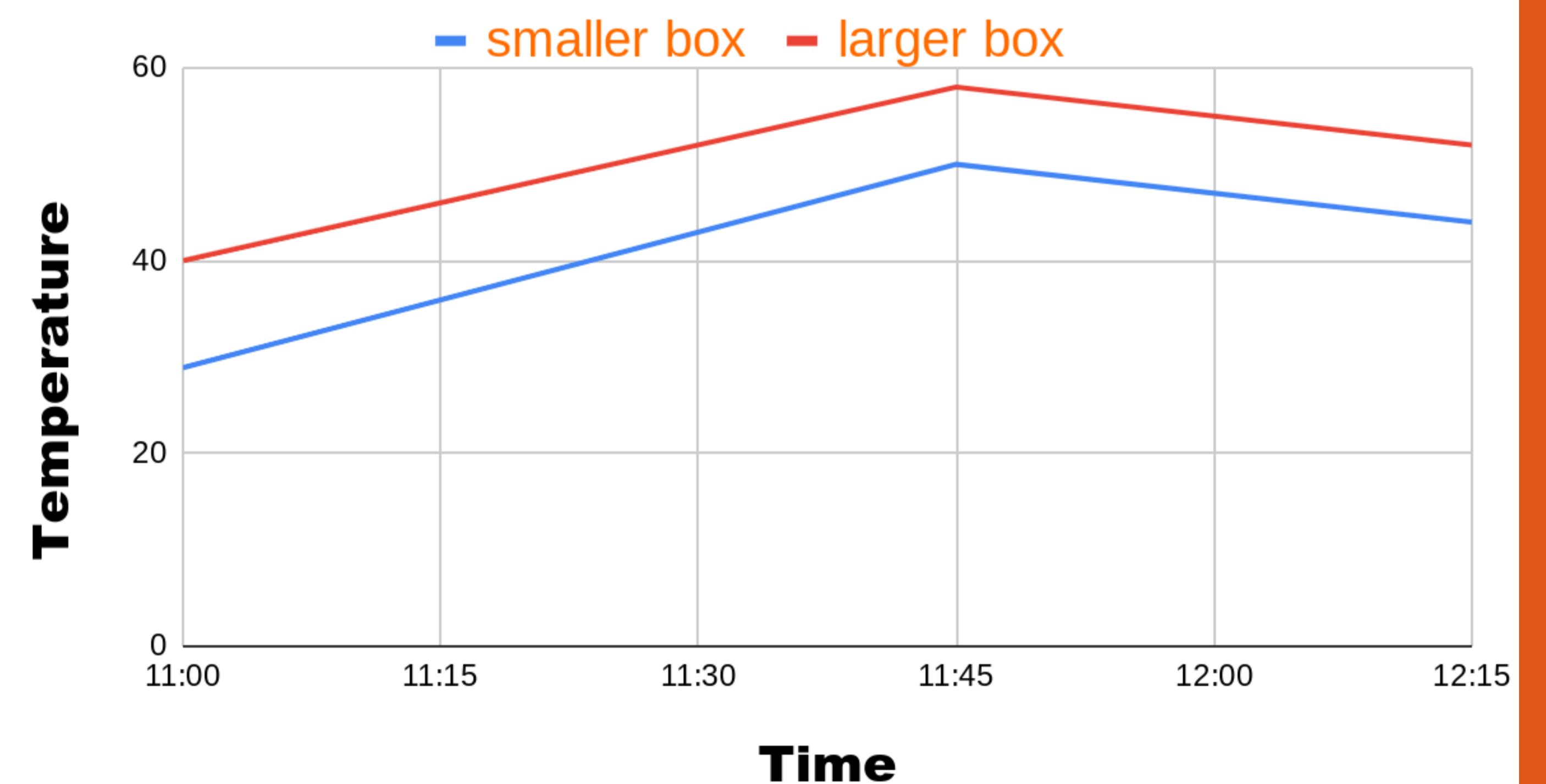
box,skewer,baking paper,marshmallows,reflective cardboard and calculator.

## Method:

1. Graph your parabola on paper,
2. Trace your parabola on baking paper.
3. Punch holes in the box that follow the plot
4. Cut along the holes following one after another
5. Put the reflective cardboard in the gap that the piece ot cut out.
6. Put the pieces from the box into the spaces.



## Temperature of marshmallows



**Conclusion:** The hypothesis was correct - The taller box cooked faster than a shorter box 😊





























