**Which type of spinner will fall to the ground the fastest?**

Within your group, choose which investigation you are going to test:

* Size (Small, medium and large) **OR**
* Material (Paper, sugar paper and card) **OR**
* Shape (Use a different number of paperclips on each)

(Your investigation will need **3** spinners.)

Fair test

***How are you going to make this a fair test?***

Remember, to make it a fair test, change only **ONE** thing (variable). The rest stays the same. (Think about the dropping balls experiment. What did we do to make it fair?)

Prediction

Aim for that ‘gold’ prediction. Say which one you think will fall to the ground first **and why.** To help answer this, use your own experiences and knowledge to explain your reason. Try to use some scientific language too! (Remember Galileo’s experiment. We are looking at ***gravity*** and ***air resistance***, ***NOT its mass!***)

What we will do

Here, explain **exactly how** you are going to conduct your experiment. Remember that in science experiments, it is important to repeat your experiment to double, even triple check, your results!

Results

Draw a suitably sized table (using a pencil and ruler) for your results.

*Once you have completed your experiment, write your….*

Conclusion

***What have you learnt from your experiment? Was your prediction correct?***

Remember to use ‘-er’ / ‘-er’ words e.g. ‘The bigger the spinner, the faster…’ Remember to explain why this happened using your scientific language.

**Challenge**: Can you include Galileo in your conclusion?

**Which type of spinner will fall to the ground the fastest?**

Within your group, choose which investigation you are going to test:

* Size (Small, medium and large) **OR**
* Material (Paper, sugar paper and card) **OR**
* Shape (Use a different number of paperclips on each)

(Your investigation will need **3** spinners.)

Fair test

***How are you going to make this a fair test?***

Remember, to make it a fair test, change only **ONE** thing (variable). The rest stays the same. (Think about the dropping balls experiment. What did we do to make it fair?)

Prediction

Aim for that ‘gold’ prediction. Say which one you think will fall to the ground first **and why.** To help answer this, use your own experiences and knowledge to explain your reason. Try to use some scientific language too! (Remember Galileo’s experiment. We are looking at ***gravity*** and ***air resistance***, ***NOT its mass!***)

What we will do

Here, explain **exactly how** you are going to conduct your experiment. Remember that in science experiments, it is important to repeat your experiment to double, even triple check, your results!

Results

Draw a suitably sized table (using a pencil and ruler) for your results.

*Once you have completed your experiment, write your….*

Conclusion

***What have you learnt from your experiment? Was your prediction correct?***

Remember to use ‘-er’ / ‘-er’ words e.g. ‘The bigger the spinner, the faster…’ Remember to explain why this happened using your scientific language.

**Challenge**: Can you include Galileo in your conclusion?