Summer Term Science Week 5:

## Enquiry Type - Fair Test

## Question

## How can you change a paper spinner to make it accurately hit a target?



Younger Children	Older Children
Create a poster that explains what you found out. Can you include in your poster: your equipment,	Write a mini report of your investigation showing your question at the top, your prediction about what will happen (good guess) and your results.
what was easy and hard to carry out, your result.	<ul> <li>After you have finished, analyse your results. Think about:</li> <li>Was your prediction correct?</li> <li>How could you have improved the investigation?</li> <li>What other investigations could you carry out?</li> </ul>

Challenge	About this type of Scientific Enquiry
Imagine you are trying to	A fair test is when scientists look at all the different things
advertise the spinner.	(variables) that could affect the result.
Create a leaflet on how to	Then they only change one of them to see if it affects the outcome. By
make the best spinner	only changing one variable, scientists are able to confidently say that
making sure you use the	that caused the result. Eg. If they changed the number of wings and
evidence you have	the mass of the
recorded to support your	spinner they would not know if it was the mass or the number of wings
claim that it is the best	that changed their result.
type of spinner.	Fair testing is often used to develop new medicines.