Notes for teachers:

This game is strictly based on the roll of the die – it illustrates how ideas move from a hypothesis to a theory

You will need:

One six-sided die

The sheet copied for each student

This is my own invention: Dr. Vikki French, 2017

Enjoy!

**The Science Game**

Becoming a famous scientist is not easy!

Follow the scientific method to see if you are the new Einstein!

|  |  |
| --- | --- |
| **Task** | **Points** |
| **The question**  Some questions are more interesting/fundable than others  Roll the die to find how many points your question is worth |  |
| **Your hypothesis**  Some hypotheses are more interesting/fundable than others  Roll the die to find how many points your hypothesis is worth |  |
| **Design an experimental**  Some experiments are more interesting/fundable than others  Roll the die to find how many points your hypothesis is worth |  |
| **Fund the experiment**  You can’t do your experiment until you have 15 points or more accumulated  Roll the die to find how many points your marketing brings  If you are not yet up to 15, better luck next turn! |  |
| **Do the experiment!**  Some experiments work… some do not  Roll the die: an odd number means failure! Better luck next turn  an even number means it worked! Record your points |  |
| **Analyze the data**  Roll the die to find how many points your analysis brings |  |
| **Write the paper**  Some people are good at writing… some people not so much  Roll the die to find how many points your writing brings |  |
| **Submit your paper for publication**  Very few papers are published by the first Journal you send  them to  Roll the die: an odd number means failure! Submit to a new  Journal next turn  An even number means you are published! Record your points |  |
| **Your paper spawns respect and additional research**  Roll the die to find how many points your publication brings |  |

I was the first scientist published! \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (add 5 points)

When the majority of professional in a field believe your findings to be conclusive, your hypothesis becomes a THEORY. The student with the most points has created a theory!

I had \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ points