



Story by: Roshan Achal Illustrations by: Sarah Nersesian Music by: Pramodh Yapa Edited by: Jordan Phillips



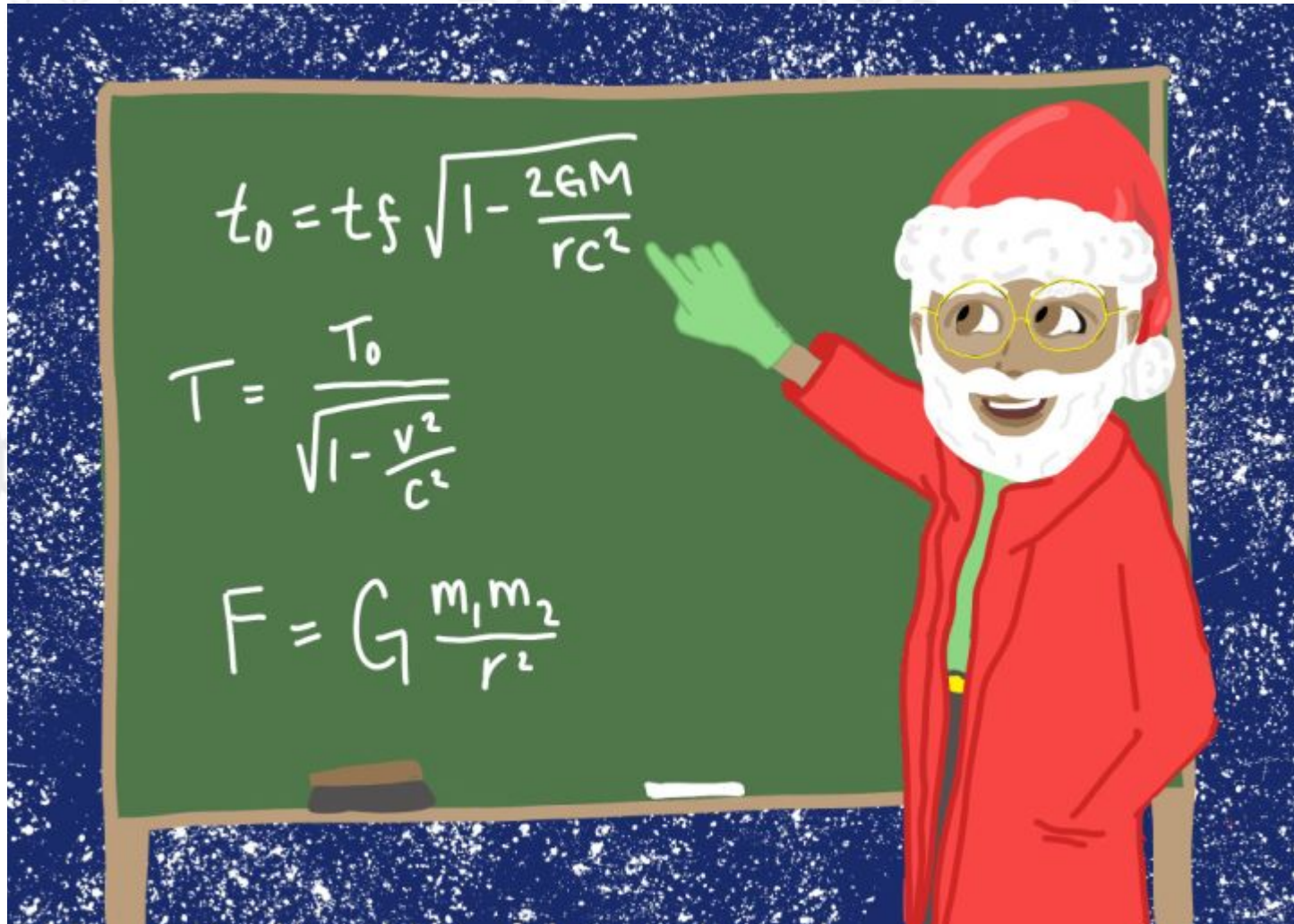
**‘Twas the night before Christmas, and Santa was  
hard at work in his lab.**



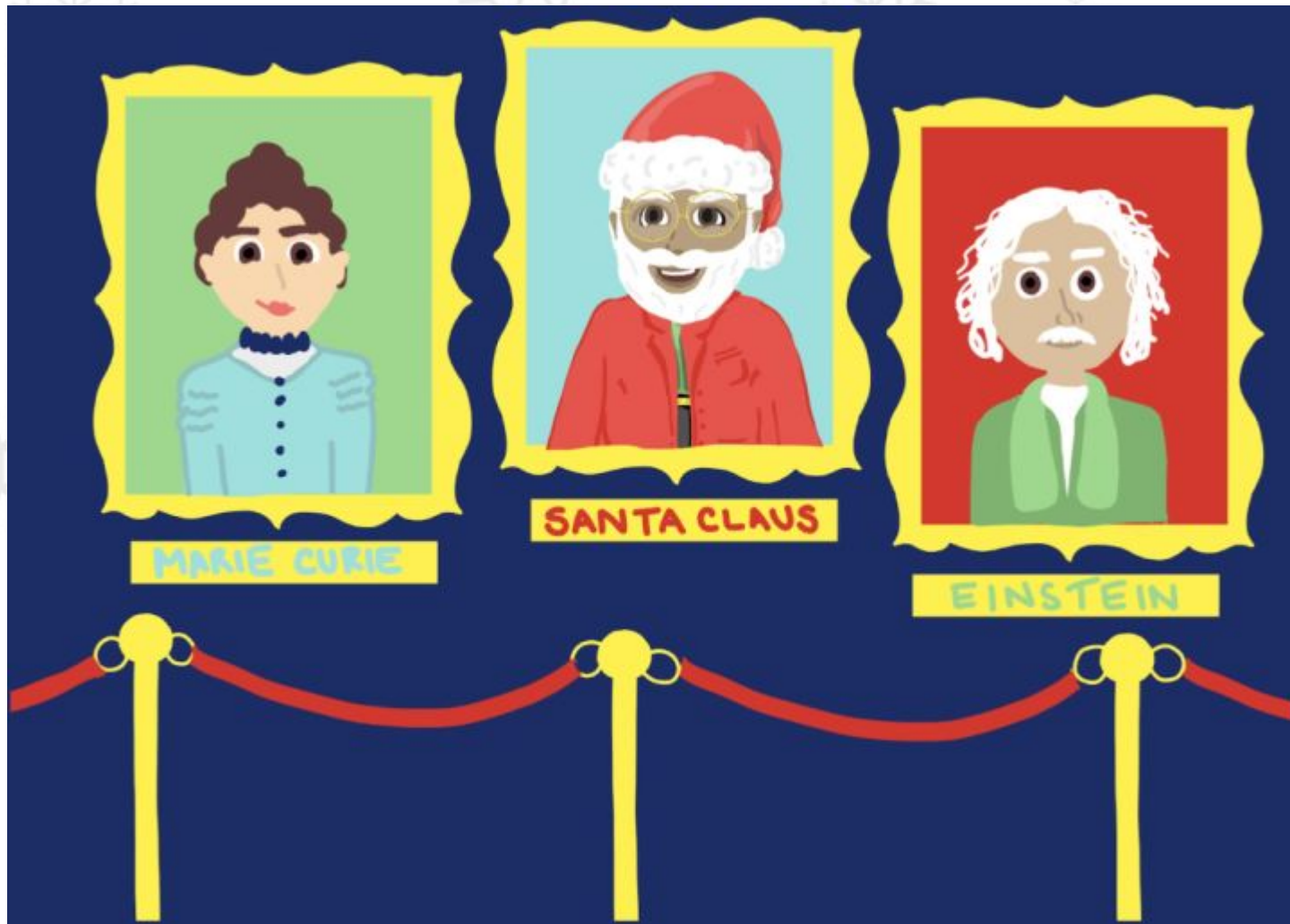
**He was quickly double checking his list, and telling the elves which toys to grab.**



**He was about to start an epic journey through time and through space, so that each child would wake up the next day with a smile on their face.**



**But for Santa to make it around the world in only one night, he had to make sure that his calculations were *just* right.**



**For you see, Santa was one of the greatest scientists who ever did live, always using his knowledge to do good, finding ways to give, give, give!**



**Santa discovered that the more cookies he ate the bigger his belly got, which let him increase the gravity in that one particular spot.**



**With his big heavy belly Santa could now easily  
slow time down to a stop.**



**Thanks to science, he could finally deliver all of the wonderful toys in his shop!**



**Ready to go, Santa jumped into a special sleigh that he designed and built himself.**



**He then set off on his journey, with his nine reindeer and one lucky little elf.**



**Travelling at just under the speed of light, to every house around the world they dashed...**



**So that Santa could eat more cookies, and make sure that every gift was carefully stashed.**



**After the last gift was delivered, time slowly began to move as Santa's belly started to shrink.**



**He had just enough time to race back to the lab,  
finishing his journey before you could even blink!**



**The End!**



**Fun Fact #1:**

**Mass represents the amount of stuff something is made out of. On the moon you would weigh less, but since you have not changed what you are made of, your mass is still the same!**

**Fun Fact #2:**

**The strength of gravity around any object increases as more mass is added. It may be surprising, but out of all the forces that hold our Universe together, gravity is the weakest!**



**Fun Fact #3:**

**Einstein's Theory of General Relativity tells us that time slows down as the gravity/mass in an area increases.**

**Fun Fact #4:**

**Satellites floating in space experience time more quickly than us on Earth since they are farther away from the mass of the planet!**



**Fun Fact #5:**

**Einstein's Theory of Special Relativity tells us that time moves more slowly the faster you travel.**

**Fun Fact #6:**

**Einstein's Theory of Special Relativity also tells us that it is impossible for anything with mass to travel at the speed of light. Since Santa has mass, he cannot reach the speed of light no matter how hard he tries.**



**Fun Fact #7:**

**If Santa could travel at the speed of light, it would take him about 130 milliseconds to travel around the Earth. It takes you between 100 and 400 milliseconds to blink your eyes.**

# **Have you ever wondered how Santa can deliver all those presents in just one night?**

**It turns out that Santa is secretly a scientist who has discovered how to use cookies to stop time! Learn all about this discovery and Santa's yearly journey in this fun new take on a classic Christmas tale.**

**To learn more about this project or to download a free copy of this eBook visit:**  
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