



NASA Headquarters  
Washington DC 20546-0001

25<sup>th</sup> January 2021

Dear Robins and Wrens,

I am the Missions Director based at NASA's Headquarters in Washington DC, in America and I have been asked to write to you about our latest TOP SECRET mission. I have been told that you are super scientists and that you may be able to help us with a very important investigation. Do you think you will be able to help? Can we trust you not to tell everyone about our mission?

The reason it is so top secret is because we have just discovered a new planet. We want to send our astronauts and a few extra scientists to explore it. The only thing we know so far is that it rains all day and all night! Now, we will need our team to stay on the planet for a while as it is absolutely gigantic. While they are there they will not be able to conduct experiments and live on the space shuttle so they will need a base. This is where you come in. We need you to test materials to find the best material to keep them dry when inside their shelters.

As you are super scientists, you will need to think of a way to test these materials and how to make it a fair test. When you have completed your investigation, please fill out the investigation results sheet and send it to your teacher on Purple Mash. When we have received the results from your school, we will be able to conclude which is the best material and then our mission will be all systems go!

Thank you for taking on this top secret mission. Remember not to tell anyone!

Good luck,

*Lt. Hadley*

Mission Director  
NASA