



**Baltimore Woods
Nature Center**

Nature in your hands

Rain Scientists

Have you ever wondered how much water falls from the clouds day by day? Then you are ready to start your mission as a Rain Scientist!

Your Mission:

Measure the amount of rainfall outside your home each day.

Materials to gather:

1. Large jar or plastic bottle
2. Piece of paper
3. Pencil
4. Ruler



Find a jar that has **measurements** on the side like this photo —>

If you can't find one like that then make your own like the photo here, using a marker to label like this —>

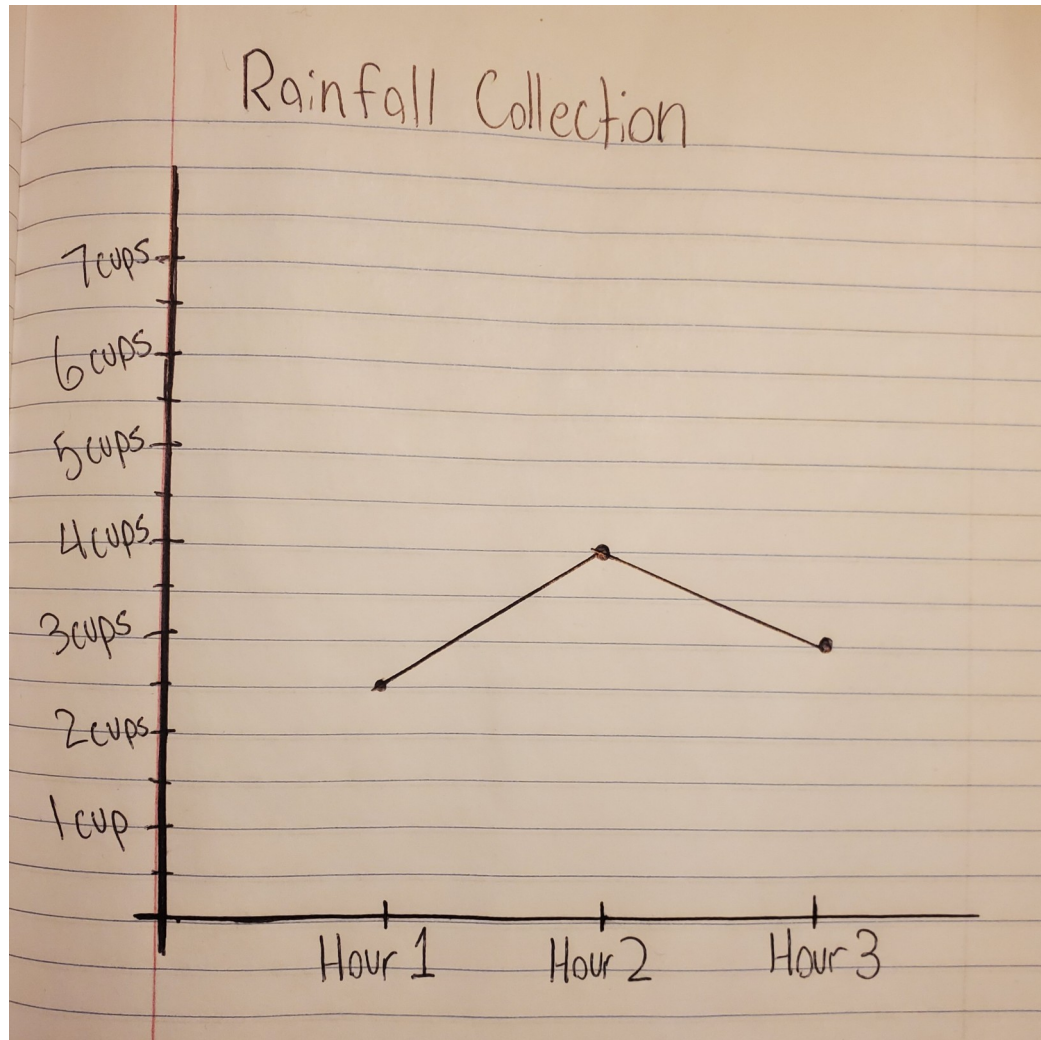


Ready for the next steps?

1. Choose your location, somewhere near your home.
2. Check to see if there is anything above that would block the rain
3. Make sure your bottle is sturdy, try digging a little hole to put it in so it won't tip.
4. When will you be checking and measuring the amount of rainfall? Try to do it at the same time each day! You could check by hour or by day, it's up to you!
5. Make sure to record your observations each day (example on the next page)
6. Have fun!

Rain Scientist Tips!

1. Try using a chart like this to **record** the amount of rain that you collected!
2. You could also use graph paper to be more precise.
3. Your chart could have bars instead of dots– or you could have one measurement of **total** rainfall!
4. With multiple measurements over time, you can calculate the **average** amount of rain that fell in a certain amount of time. Ask your family members if they could help you figure out an average.



Send your **charts, averages or questions about this activity** to NITCpenpals@baltimorewoods.org!

