



Level 3

# Anna's Extraordinary Experiments with Weather

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**"Foooo! Foooo!"** Anna Mani blew out all eight candles on her birthday cake.  
"Happy birthday, Anna!" shouted her brothers and sisters.

Anna had a big family and a big house on a hill.  
But on her birthday, she had only one small wish.





Anna tore open her birthday gift and peered in. There was something sparkling inside.

"Diamond earrings? Aiiye!"

She did not want diamond earrings. They were expensive and useless!

Do you know what Anna really wished for?

**Books, books and more books!**





"We have books at home!" said her brother. But Anna had already read those.

"There are more in the library," pointed out her grandfather. But Anna had read those too!

She marched into her room. "Hmmp!"





Later that day, there was a knock on Anna's door. But there was nobody outside!

Instead, there lay a big box at her doorstep.

"This better not be more jewellery!" she said loudly. It wasn't. It was a brand new Encyclopaedia set!

"So many books. Hurray!" Anna ran around her house, hugging everyone.



Many years, and many, many, many books later, Anna found a job in the laboratory of a famous scientist.

“What should I do here?” asked Anna. The scientist pointed to a box.

What do you think she found inside?





“Diamonds? Aiiyyye!” said Anna.

But this time, the diamonds were not to be worn. They were for experiments.

The scientist wanted Anna to find out what makes diamonds shine. So she read books about diamonds.

**Books, books and more books!**



Being a scientist was the best! Anna could study anything she wanted.  
She did like things that shine. And what shines brighter than diamonds?  
The sun!  
So Anna read books about the sun, sunlight and weather.  
**Books, books and more books!**

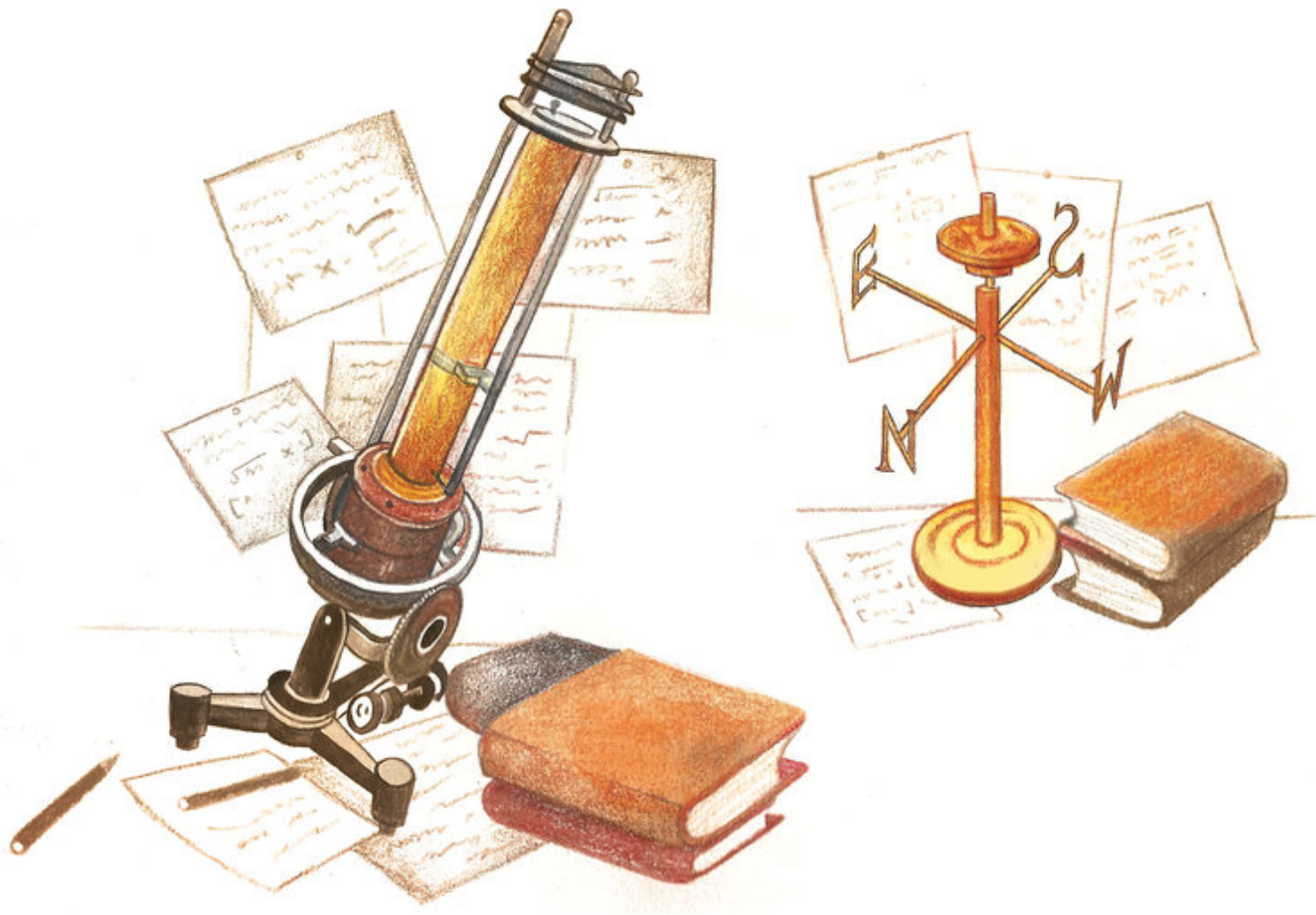






Anna did hundreds of experiments.  
She built many gadgets to measure the weather of a place.





How sunny is it in Bombay?  
Anna built a gadget to measure that.

How windy is it in Madras?  
Anna built a gadget for that too.



Her favourite gadget took many months to build.

It was a special balloon called ozonesonde. It had a small machine fixed to it. The machine measured a gas found in the air called ozone.

Ozonesondes fly really high.

Look, there goes Anna's ozonesonde!









Guess how many gadgets Anna Mani built in all?  
Nearly one hundred weather gadgets!

She even had her own factory to make these gadgets.  
It was as if she could build anything!











Anna Mani became one of the wisest weather scientists in India.

Even as she grew older and more well-known, her best friends remained the same.

**Books, books and more books!**



## Life & Times of Anna: A Timeline

23 August, 1918 - Anna Mani is born in Peermedu in Kerala.

1940 - She gets a scholarship to work at CV Raman's laboratory in Bangalore.

1945 - She leaves for England to study meteorology.

1948 - She returns and joins the Indian Meteorological Department in Pune.





1962 - She starts work on the ozonesonde project.



1976 - She retires as Deputy Director General of the Indian Meteorological department.



In the 1980s (exact year unknown) - She starts her own company to manufacture her gadgets.



16 August, 2001 - Anna Mani passes away in Kerala.



## Wonderful Weather Words

**Meteorologist** (say it like this: 'meet-your-all-o-jist'): A meteorologist is a scientist who studies the weather and climate of a region. Anna Mani was one of the best meteorologists there ever was.

**Ozonesonde** (say it like this: 'oh-zone-sond'): Ozonesondes are balloons that fly high up into the sky. The balloons have gadgets fixed to them that measure the amount of ozone present in the air. Ozone is important because it blocks out harmful light coming from the sun. Too little ozone high up in the sky means we are in trouble!



**If you could be a scientist, what would you want to study?**



### A Note on the Book

This story is a work of creative non-fiction  
based on the life of Anna Mani.





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# Anna's Extraordinary Experiments with Weather

(English)

Anna Mani was an Indian scientist who loved to read about the world around her. Peek into her eighth birthday party and follow her through her extraordinary scientific adventures.

This is a Level 3 book for children who are ready to read on their own.



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