

Being a Meteorologist as a Career

By Lyla L

Why I chose this career

I chose Meteorology as a career because I think weather is interesting. I think learning about weather is fun because I get to find out how weather happens. Being a meteorologist would let me research how weather happens like thunderstorms, snowstorms and even tornadoes and hurricanes. If I became a meteorologist I would become an expert at predicting weather and how it works.



Education is needed to become a Meteorologist

I have to go to college for 4 years and study to get a degree in science like chemistry and physics. I would need to go to college again to get a masters degree in atmospheric science. Some colleges have degrees in Meteorology and weather science. I would have to take a lot of science and math classes and do a lot of research of studying weather and how it happens.



Average Salary of a Meteorologist

The average salary in the US is about \$90,000 per year.

Depending where you live and what type of job you have you can make more or less than \$90,000.

If you work for NASA you will make over \$100,000.

How this career relates to science

Meteorology is the scientific study of the atmosphere that focuses on weather and forecasting. Meteorologists uses scientific tools to observe, explain, and forecast our weather. They use climate modeling,air quality, atmospheric physics, and climate change. They research and get all the data they learn to predict weather for the future.



6 tools a Meteorologist uses to predict the weather

1. Doppler Radar - They are used to observe severe storms.



2. Weather Satellites - They are used to monitor Earth from space and collect data that scientists use for research.



3. Radiosondes -. They are tied to weather balloons sent to the upper atmosphere to collect data on air conditions like temperature and humidity.



Meteorology Tools continued

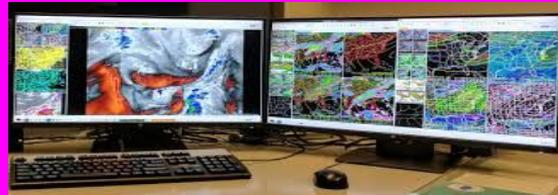
4. ASOS (Automated surface-observing systems) - they observe weather conditions on the earth's surface collecting data from the sky 12 times a day.



5. Supercomputers - these are powerful computers that take all the data from the weather tools for meteorologists to help forecast.



6. AWIPS - computer processing system that combines data to help meteorologists to prepare and forecast for dangerous storms.



Four Careers in Meteorology

Broadcaster – People on tv or online are reporting the weather and predicting the forecast.



Researcher – They research severe weather and climate change and use radar to do their job.



Airline and Military forecaster – They forecast weather for airline flights and the military forecaster looks at weather for space launches.



Teacher – They teach students and help them learn about forecasting and climate changes.



More Fun Facts

Meteorology combines physics and life science together. It is important because of the impact of air conditions on life.

Weather is special to humans and animals. Weather helps the environment like rain because it cools our land to prevent fires and provides water for drinking, food to grow and even doing laundry and washing dishes.

Additional Facts

Do you ever wish you can control weather? But we can't because it is stuff that is happening in our atmosphere that is causing it. But a Meteorologist can help prepare us for bad storms to prevent disasters.

Meteorologists use a lot of math, science and computers. It can be fun and exciting to learn what will happen each day with weather and how it is created and how it affects things on earth.

Thank
You!



Sources

Online

<https://www.sciencedaily.com/terms/meteorology.htm>

<https://www.environmentalscience.org/career/meteorologist>

<https://www.bachelorstudies.com/article/4-careers-in-meteorology-and-how-to-get-there/>

<https://www.nationalgeographic.org/encyclopedia/meteorology/>

<https://easyscienceforkids.com/meteorologist/>

<https://www.noaa.gov/stories/6-tools-our-meteorologists-use-to-forecast-weather>

<https://www.salary.com/research/salary/benchmark/meteorologist-salary>

You tube

<https://www.youtube.com/watch?v=hg8Al7qcGos>

<https://www.careergirls.org/career/meteorologist/>