

Meteorology

Mr. Niescier

Course Outline

Welcome to meteorology class here at Lancaster High School! As a former, but still active, meteorologist, I have a world of knowledge to offer you about meteorology, and look forward to doing so. This course offers an opportunity to not only learn about different aspects of meteorology, but to provide opportunities to analyze, interpret and predict the weather. From this experience, you will learn the difficulty of weather forecasting and the joy of being correct (some of the time)!

Goals

- Develop a strong basis of knowledge about meteorology
- Develop the ability to analyze, interpret and predict the weather
- Integrate content into real-world weather forecasting
- Investigate the role of weather in society
- Utilize technology to better visualize weather

Expectations

This course is composed mainly of upper-classmen. With this in mind, our class will have a collegiate 'flavor' to it. The material for this course will not be easy; in fact, it will be college level material at times. We will have class discussions, small and large group activities and there is the possibility of a field trip and/or guest speakers. There will be a hands-on flavor to the class in the form of projects, activities and experiments.

In order to create such an environment for learning in the classroom, I ask you to follow a few simple rules.

- Arrive to class on time (before the bell rings)
- Respect others in the classroom
- One person talks at a time, the others will listen
- Wear masks and socially distance
- Assist others who are having difficulty
- Bring expected materials to class
- Share weather stories and pictures!

Materials needs for the course

Folder with pockets, loose leaf paper, pen and pencil with erasers

Grades

Your quarter grade will consist of class work (activities, projects, labs, etc.) and homework assignments (on time), quizzes and tests. Extra credit opportunities will be available. **I am available before or after school for extra help.

Cell Phone Policy

- Cell phones and electronic devices cannot be used in the classroom during instruction and when you are working on an assignment, test, quiz, lab, etc.
- If you use your phone during class or it rings during class, or it is visible, you will be written up and the school administration will handle discipline.
- If you are late to class because you are using your cell phone in the hallway, you will be written up and the school administration will handle discipline.

Overview of material to be covered

This is an outline of expected topics and subtopics to be covered in the meteorology course.

1. Tropical Weather
2. Weather Fundamentals- basic training
3. Winter Weather- snow, ice and sleet, oh my!
4. Weather Forecasting- analysis and prediction of weather
5. Severe Weather- tornadoes, hail, derechos
6. Climate- WNY weather and global warming...
7. Weather Phenomena- strange atmospheric happenings!
8. People, Pets and Weather- how weather affects us all

I look forward to an exciting year working with all of you and sharing my knowledge and experiences with meteorology! Good luck *weathering* our storm!