Summer Weather Camps
March 2018

NOTE:
Summer weather camps are held around the country for students of various ages who might be interested in learning about Weather, Hydrology, or Oceanography. While these camps are not sponsored by NOAA or the NWS, we want to make it as easy as possible for students interested in weather to find the camp that meets their needs. If we have missed a camp, please email Mary.Fairbanks (Mary.Fairbanks@noaa.gov) with the weather camp web address.

Blue Hill Observatory, Massachusetts

Launch Your Weather Career at Great Blue Hill
Age: Recommended for students between the ages of 15 and 20 years old.
A week-long program: This is a six-day course during the month of July. It is geared to high school students interested in a career in meteorology. The course helps them learn the range of opportunities that exist in the field and gives them the practical experience. This often includes trips to local television Broadcast Meteorologists and the local National Weather Service Weather Forecast Office.

Launch Your Broadcast Weather Career
Age: Recommended for students between the ages of 14 and 18 years old
This summer's workshop is designed for students who enjoy learning about the weather and who might like a career in broadcast meteorology. While it is recommended for students between the ages of 14 and 18 years old, others may apply.

City College of New York, New York
Weather Camp
Age: Students who have completed the 9th grade by the summer
The City University of New York weather camp is a two week program for high school students from the New York City metropolitan area, and is offered free of charge to 6-12 students selected via an application process. If you are interested and will have completed the 9th grade by the summer, don't hesitate to contact the camp director (listed below) and fill out an application: your chances are better than you think!
www.crest.cuny.edu/weathercamp
Howard University, Washington DC
CAREERS Weather Camp
Age: Rising 9th, 10th, 11th, & 12th Grades
Channeling Atmospheric Research into Educational Experiences Reaching Students (CAREERS) is a national program. CAREERS consist of a network of summer science camps with a primary focus on Atmospheric Science/Weather and Climate Sciences for middle school (MS) and high school (HS) students.  
http://ncas.howard.edu/media/2014-careers-weather-camps/

How the Weather Works Summer Camps (Mike Mogil)
Age: Pre-college and college students
Weather camps come in many sizes and shapes. Some limit enrollment to 12 or fewer students and some require a formal application process (including a transcript, letter of interest, and recommendations). Some camps run for only one week, while others span two weeks and include one or more weekends. Some commuting camps (middle and high school) typically key on local area attendees. Some high school camps are held at university sites and can offer dormitory housing for a residence camp experience.

A few families have traveled hundreds of miles to make the camp experience part of a family vacation (student goes to commuter camp each day, while parents and siblings have other fun). While most camps are low-cost, some camps can charge as much as $700 or more.  
http://www.weatherworks.com/nwxcp/

Penn State University
Weather Camp for High School Students
Age: Students in Grades 8-10
Penn State Weather Camps are a resident science experience designed for students who will enter grades eight through twelve in the fall. There are two summer weather camps. Students who are entering 10th grade and who have previously participated in Weather Camp may also take the advanced course.  
http://weather-camp.outreach.psu.edu

Punxsutawney Weather Discovery Center
Summer Weather Camps
Age:
The Punxsutawney Weather Discovery Center is a fun and highly effective teaching environment to improve your students’ understanding of the science of weather. The exhibits, classroom experience, and theater clarify the concepts already learned in the classroom. For specific activities and dates see the Punxsutawney Weather Discovery Center Press Section. 
http://www.weatherdiscovery.org/educators.html
NOAA Science Camps-Seattle, WA
Held at NOAA’s Seattle Sand Point facility each July, NOAA Science Camp offers opportunities for middle school students and high school students.

Middle School Science Camp
Age: Students entering sixth, seventh or eighth grade in the fall may attend.
Students in middle school engage in fun, hands-on activities that explore the mysteries of our oceans and atmosphere.
https://wsg.washington.edu/students-teachers/k-12-activities/noaa-science-camp/middle-school

New: Remotely Operated Vehicle (ROV) Mini-Session
Age: Middle and High School Students
Learn to build a mini-ROV with experts in this new two-day mini-session.
Learn more...
https://wsg.washington.edu/remotely-operated-vehicle-rov-mini-session

High School Junior Leadership Program
Age: Students entering 9th through 12th grades
https://wsg.washington.edu/students-teachers/k-12-activities/noaa-science-camp/jr-leaders/
During this two-week program, students entering 9th through 12th grades work alongside NOAA scientists and camp staff to build skills in communicating science concepts, leading activities, and more.
https://wsg.washington.edu/students-teachers/k-12-activities/noaa-science-camp/

South Dakota School of Mines & Technology
SD MINES Summer Camps
Age: Students in Grades 9-12
Wild Weather: The Science Behind Weather & Climate: A week long camp in June where campers will join our atmospheric and environmental sciences faculty taking atmospheric observations around the Black Hills while learning the basics of weather forecasting and the fundamental science behind the weather systems we experience every day.
http://www.sdsmt.edu/academics/events-and-outreach/summer-camps/docs

University of Nebraska-Lincoln, Lincoln Nebraska
National Weather Camp at The University of Nebraska-Lincoln
What is Weather Camp?
Age: Students who will be entering Grades 10-12 in the fall
Weather Camp is a week-long residential camp, i.e. the campers will spend the week on campus and stay overnight in our East Campus dorms. Breakfast, lunch, and dinner as well as Morning and afternoon snacks are provided each day.
University of Albany, New York
Weather and Climate Camp
Age: Students in high school
The University at Albany Weather & Climate Camp (UAWCcamp) is a weeklong day camp for teens from the Capitol District's urban centers (Schenectady, Albany, Troy). The UAWCcamp is designed to be an interactive experience where students learn about the science of weather and climate through first hand experience under the instruction of experts in the field. Students will also learn about: career opportunities, the college application & financial aid process, and college life. [http://www.atmos.albany.edu/facstaff/jminder/UAWCcamp/index.html](http://www.atmos.albany.edu/facstaff/jminder/UAWCcamp/index.html)

University of Oklahoma, Oklahoma
Meteorology Summer Academy
Age: Students in grades 9-12
The OU Summer Academies provide students with hands-on experiences in Math, Science, Engineering, and Technology while exposing them to life on a college campus. The Summer Academies are funded by the Oklahoma State Regents for Higher Education. This Meteorology Academy offers a one-week residential program for students entering 9th and 10th grades focused on weather. Students will attend classes in the National Weather Center surrounded by top research scientists and operational meteorologists. Students will learn about atmospheric interactions from fronts to thunderstorm development, how data are collected from instrumentation, how to analyze weather maps, and how to interpret forecast discussions. Students will be exposed to meteorology careers including: operational forecasters at NOAA’s Storm Prediction Center and the National Weather Service’s Norman Forecast office; field researchers who operate mobile radars; and local television broadcasters. [http://www.ou.edu/content/outreach/youth.html](http://www.ou.edu/content/outreach/youth.html)

University of Wisconsin
CIMSS Student Workshop
Age: Students must be entering 9th, 10th, 11th or 12th grade in the fall
The CIMSS Student Workshop on Atmospheric, Satellite, and Earth Sciences features an exciting five-day agenda in meteorology, astronomy, remote sensing and geology. Participating students stay on campus in lakeside dorms and experience science education, research and technology through hands-on activities, working directly with scientists, graduate students and professors. [http://cimss.ssec.wisc.edu/studentworkshop](http://cimss.ssec.wisc.edu/studentworkshop)

Western Kentucky University Weather Camp
Weather Camp
Age: This will be for kids ages 12-16 at the time of the Camp
This camp is for ages 12-16. In the past it has been a residential camp, but there is an option for commuters who live nearby. Camp dates are late July, with registration due in mid May.
Science-Technology-Engineering-Mathematics (STEM) Summer Camps

**Lyndon State College, Vermont**

STEM Exploration Camp

*Age:* Students entering 6th, 7th, or 8th grade in the fall

Our new STEM exploration Camp is a week-long, hands-on day camp for students in 6th, 7th, or 8th grade to explore and stimulate interest in the STEM disciplines through highly interactive classes and activities. Each day campers will participate in hands-on workshops with STEM experts and exciting adventure recreation activities such as the climbing wall and low & high ropes courses. A different STEM discipline will be introduced and explored each day including Atmospheric Science, Biology, Geology, Natural Sciences, and Physics. The full day camp runs daily from 8 a.m.—4 p.m. and includes lunch on the LSC campus and use of the swimming pool, ropes course and more.

[http://lyndonstate.edu/summer-camps/stem-exploration-camp](http://lyndonstate.edu/summer-camps/stem-exploration-camp)

**North Carolina A&T State University**

Exploration of Science and Math in Technology Summer Camp

*Age:* Rising 6th -8th grade students

The College of Science and Technology at North Carolina A&T State University recognizes the critical importance of increasing the number of females that enter the pipeline to pursue STEM careers. Our Females In Technology (FIT) Summer Boot Camp is a three day residential summer program for female juniors and seniors in high school, held at N.C. A&T S.U.


**SWIFT Weather Camp, Phoenix, AZ**

Swift Weather

*Age:* Middle/high school students

Meteorologists use amazing tools, like satellite, radar, and computer models. At SWIFT Weather Camp, we teach you how to use these resources so you can make your own forecast!


**Wild Weather Talcott Mountain Science Center, Avon, CT**

Wild Weather

*Age:* Grades 4-8
How would you like to forecast the weather? Use computers to access current information and images, look back at Earth from the GOES satellite and use live Doppler radar just like the experts! You will build your own weather instruments to record atmospheric phenomena and probe the uncertainties of weather; then take them home to continue monitoring the weather!

http://www.tmsc.org/summer