

Student Summer Weather Camps

Summer weather camps are held around the country for students of various ages who might be interested in learning about meteorology, 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 Ron Gird (ron.gird@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 National Weather Service Forecast Office.
- <http://bluehill.org/observatory/2016/02/announcing-blue-hill-observatorys-2015-summer-workshop-launch-your-weather-career/>

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.
- <http://bluehill.org/observatory/2015/01/announcing-blue-hill-observatorys-2015-summer-workshop-launch-your-broadcasting-weather-career/>

CAREERS Weather Camps at Howard University, Washington DC

- **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/Weather and Climate Sciences for middle school (MS) and high school (HS) students.
- <http://ncas.howard.edu/media/2014-careers-weather-camps/>

National Weather Camp Program: How the Weather Works Summer Camps

- **Age:** Pre-college and college students

- Variety of types of camps are offered at many locations. Some limit enrollment to 12 or fewer students and some require a formal application process (including a transcript, letter of interest, and recommendations). Options includes one week camps, while others span two weeks and include one or more weekends. Some high school camps are held at university sites and can offer dormitory housing for a residence camp experience.
- <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

- 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/Popups/2017_0410_SummerCamp2017.html

NOAA Science Camps-Seattle, Washington

- 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 entering 6th, 7th or 8th grade 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>
 - **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 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 observations of the atmosphere 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

- **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.
- <http://snr.unl.edu/lincolnweather/weathercamp/>

University of Oklahoma, Oklahoma Meteorology Summer Academy

- **Age:** Students in grades 9-12
- Precollegiate Programs is committed to enhancing the academic lives of individuals K-12 through offering programs on a collegiate campus. The academic programs Precollegiate Programs offer each year present students with unique learning experiences, which help prepare students to become future college students. By offering programs on the University of Oklahoma campus, every student has the opportunity to see and experience what college life is like.
- <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>

Weather Camp at City College of New York, New York

- **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

Western Kentucky University 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.
- <http://wkuwxcamp.weebly.com/>

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>

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 rising juniors and seniors in high school, held at N.C. A&T S.U.

- <http://www.ncat.edu/cost/summer-camp/index.html>

SWIFT Weather Camp, Phoenix, Arizona

- **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!
- <http://www.swiftweathercamp.com/>

Wild Weather Talcott Mountain Science Center, Avon, Connecticut

- **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>