

## PHS Weather Station Press Release

We are pleased to announce that the Bridgeton-Nockamixon-Tinicum Groundwater Management Committee (BNT GMC) has donated a state-of-the-art weather station with research-grade accuracy to the Palisades High School (PHS). The BNT GMC also donated a three year subscription to WeatherLink Pro for enhanced data viewing capabilities, exporting and custom charting. The weather station is now up and operational atop the new science wing. Please see the output at the Weather Underground website; the weather station is listed there as KPAKINTN12.

<https://www.wunderground.com/dashboard/pws/KPAKINTN12>

By the BNT GMC and the PHS partnering on this project, we are fulfilling aspects of both our missions. This resource will be used by the school staff at PHS and Palisades Middle School to elevate the scientific literacy of the students, and the students will also be made more aware of opportunities to participate in the civic affairs of their local governmental committees. The members of the BNT GMC are civic-minded citizens who are available to give talks to enhance the curricula at the Science clubs, Environmental clubs, and science classes that will be using this resource to enrich their Science, Technology, Engineering, Arts, and Mathematics (STEAM) education.

In addition, this resource is a valuable information tool for the municipalities, and the public, in general. It can be used to get reliable, up to the minute, weather information to guide our everyday activities, as well as be a valuable source of information during weather emergencies in our municipalities. It also can, retrospectively, look at the weather history in greater detail. For example, Hurricane Ida on September 1, 2021, gave the PHS 7.64 inches of rain with the rate as high as 1.51 inches per hour at 6:30 pm, and the wind gusts were as high as 26 mph from the SE at 10:30 pm.

This one weather station can serve all classrooms in our district by allowing the school's rain, wind, solar radiation, UV radiation, temperature, humidity data, and other data to be available, in every classroom, allowing teachers to use this data in grade-appropriate curricula for reinforcing environmental, math, science and vocabulary lessons.

Davis Instruments, the manufacturer of the weather station, and many other sources already have suggested curricula for the use of this resource in the STEAM classes.

From Rich Heffernan, Principal of Palisades High School, "I am thankful to the BNT GMC for their partnership with our school. Through this collaborative endeavor, we are able to provide yet another relevant educational opportunity for our students in our science curriculum."

From Mark Chilton, Palisades High School Science Department Head, "We strive as a science department to connect real-world science with the students. The new weather station allows all of us to make those connections, both formally in a specific science curriculum, and informally to the curious observers. Even in the short time that the station has been up and running, it has already acted as a source for real-world data and also as a conversation starter to passersby. We genuinely appreciate the generous donation from our community."

The BNT GMC website: <http://bntgroundwater.org/>

The PHS website: <https://hs.palisd.org/>