

Pennsylvania Envirothon

State Competition

EVENT INFORMATION



May 21 & 21, 2019

**University of Pittsburgh
Johnstown (UPJ)**

And

Windber Recreation Park

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Our Mission

“The mission of the Pennsylvania Envirothon is to provide students with the knowledge and tools necessary to address the natural resource challenges facing today’s world.”

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Welcome Message

Congratulations and welcome to the 2019 Pennsylvania Envirothon! We're glad that you've chosen to become part of one of the most rewarding environmental natural resource experiences for Pennsylvania's high school students. For more than 36 years now, high school teachers have been recognizing the value of the Envirothon experience as the only competition in the nation that challenges students to think critically about the natural world.

The Envirothon program, a product of Pennsylvania's conservation districts, is now offered to students in more than 47 states and nine Canadian provinces. The winning team from this year's State Envirothon will represent Pennsylvania at the 2019 NCF-Envirothon scheduled for July 28 – August 2 at North Carolina State University located in Raleigh, NC.

Special thanks is extended to the following partners for taking a lead in the administration of the Envirothon stations both at the 2019 State Envirothon and many of the county Envirothon events held across the state:

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| <i>Soil & Land Use</i> | USDA Natural Resources Conservation Service |
| <i>Wildlife</i> | PA Game Commission |
| <i>Aquatic Ecology</i> | PA Fish and Boat Commission |
| <i>Forestry</i> | PA DCNR Bureau of Forestry |
| <i>Current Issue & Oral Component</i> | PA Envirothon, Chesapeake Bay Foundation |
| <i>Discovering Energy</i> | National Energy Foundation |
| <i>Advisor Forum</i> | PA DCNR Bureau of State Park |

Our partners provide the station resources, learning objectives, and tests for the Envirothon – as well as their expertise, support, and enthusiasm. We couldn't do it without them! The same is true of the **University of Pittsburgh Johnstown and Windber Recreation Park staff**.

We hope you enjoy your Envirothon experience and thank you for "Accepting the Natural Challenge."

William Kahler, Chair
Pennsylvania Envirothon Board of Directors

EVENT SCHEDULES

Tuesday, May 21, 2019 - University of Pittsburgh Johnstown

- 9:45 a.m. **Volunteer Registration** – Blackington Hall
- 11:00 a.m. – 5:00 p.m. **Team Registration** – Student Union Building
- 12:15 – 5:30 p.m. **Oral Component** – Teams are required to participate in the oral component at their scheduled time. (UPJ)
- 4:00 – 6:30 p.m. **Dinner** – Dinner will be available for ALL teams in the UPJ Student Union dining hall
- 7:00 – 8:00 p.m. **Evening Program** – Pasquerilla Performing Arts Center Johnstown Flood presented by Nathan Koozer, NPS
- 10:30 p.m. **All students return to assigned dorm rooms.**

Wednesday, May 22, 2019 – Windber Recreation Park (WRP)

(Advisors are cautioned to allow sufficient time for breakfast and checkout. Due to a tight schedule, the Envirothon cannot be delayed for teams that are running late.

Once you leave the UPJ campus for the Station Testing, you will not return to campus. Please take ALL items with you.

- 6:30 a.m. - 8:00 a.m. Breakfast – Student Union
- 7:00 a.m. - 8:15 a.m. Checkout/Key Return – Student Union
Depart from UPJ and travel to WRP
- 8:00 a.m. - 9:00 a.m. Team Arrival/Registration at WRP
- 9:10 a.m. - 9:25 a.m. Welcome/Event Orientation – WRP Dance Hall
- 9:30 a.m. - 10:10 a.m. Rotation #1 (Test & Review)
- 10:15 a.m. - 10:55 a.m. Rotation #2 (Test & Review)
- 11:00 a.m. - 11:40 a.m. Rotation #3 (Test & Review)
- 11:40 a.m. - 12:10 p.m. LUNCH (Bag lunch at Station #3)
- 12:15 p.m. - 12:55 p.m. Rotation #4 (Test & Review)
- 1:00 p.m. - 1:40 p.m. Rotation #5 (Test & Review)
- 1:45 p.m. - 2:25 p.m. Rotation #6 (Test & Review)
- 2:25 p.m. - 2:40 p.m. Evaluations at last station
- 2:45 p.m. - 3:10 p.m. SNACK – WRP Dance Hall
- 3:10 p.m. - 4:00 p.m. Awards Ceremony & Photos – WRP Dance Hall

Teacher and Coach Workshop – Windber Recreation Park

“Connecting Your Students to Science with PA State Parks”

Carissa Longo –Environmental Education Program Coordinator

Pennsylvania’s 121 State Parks are meant for more than picnicking, swimming, and camping. They are accessible outdoor classrooms with trained Environmental Educators who utilize standards-based curricula to offer professional development opportunities for teachers and hands-on field experiences for students. This interactive session will offer a sampling of phenomena-based activities offered by PA State Park Educators.

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| 8:00 a.m. - 9:00 a.m. | Team Registration |
| 9:10 a.m. - 9:25 a.m. | Welcome/Event Orientation |
| 9:30 a.m. - 9:40 a.m. | Teacher/Coach Welcome/Opening Remarks |
| 9:40 a.m. - 11:30 a.m. | Workshop presented by Carissa Longo |
| 11:30 a.m. - 12:15 p.m. | Information sharing |
| 12:15 p.m. - 12:45 p.m. | LUNCH |
| 1:00 p.m. - 2:30 p.m. | Teacher and Coach Tour of Testing Stations |

Teachers and coaches can tour the testing stations and review a copy of each station’s test during the official “Teacher and Coach Tour.” **This is the only time during the competition that teachers and coaches will be permitted on the testing circuit.**

Reminders

All Envirothon Rules and Regulations (Oral Presentation Component and Field Station Testing) must be followed when competing at the Pennsylvania Envirothon state competition.

NO use of or possession of electronics (primarily cell phones) during the competition is often a challenge. Please emphasize rule number 15 to your team members, teachers/coaches, and chaperones.

The Pennsylvania Envirothon Board of Directors is requiring that all students do not wear open toed shoes during the field station testing on Wednesday. This is for the safety of the students. **No flip-flops.**

Weather in Cambria County

The spring weather in Cambria County (Johnstown and Windber) is very unpredictable. Participants should be prepared for cold or warm temperatures, as well as snow or rain. Please dress appropriately.

Discovering Energy Station

At this year's Discovering Energy Station, students will explore the topic of transportation electrification, and specifically electric vehicles (EVs). Partnering with the National Energy Foundation, students will have an opportunity to participate in a hands-on activity regarding EV deployment and usage, and view several models of EVs which will be on-site. Students will examine the technology of EVs from batteries to charging, explore the environmental benefits of transportation electrification, learn about the different types of EVs and their unique charging needs, and compare different makes and models.

Oral Component – Tuesday, May 21nd

The oral component is mandatory and all teams participating in the Pennsylvania Envirothon are required to participate. A tentative schedule has been developed with an approximate starting time of 12:15 p.m. Upon arrival, teams will receive materials, which they can use to make any visuals (props) and final preparations for their presentation. After receiving their materials, teams will have one hour to prepare. Each team will have up to 10 minutes to present their conclusions on the scenario. A panel of 5-7 judges will have up to 10-minutes to ask questions. Scores will be tallied; the high and low score for each team will be discarded and the remaining scores will be averaged.

The scores from the oral component will be combined with the field station exam scores to decide the winning team. The oral component will be one-sixth of the overall score.

The Envirothon Oral Component gives students the opportunity to verbally demonstrate what they have learned while preparing for the Envirothon.

2019 Oral Component Scenario – Announced May 13th

The oral component scenario will be posted on the Pennsylvania Envirothon website on **Monday, May 13th**, approximately one week prior to the event. Teams will be able to utilize existing resources, research new information, and obtain input and guidance from teachers/coaches to enhance their presentation. Please review the **Oral Component Rules & Guidelines** for a complete listing of what can and cannot be used during the team's presentation.

Special Needs to Note



1. The Pennsylvania Envirothon Board of Directors wants to make the State Envirothon an enjoyable, educational experience that is available to ALL Pennsylvania high school students. The Board stands ready to provide reasonable accommodations for participants as outlined by the 1990 Americans with Disabilities Act.
2. The Pennsylvania Envirothon Board of Directors regrets that we cannot accommodate all of the potential dietary needs and wishes of event participants. If any team members or advisors have special dietary restrictions that we cannot accommodate, they should plan on bringing their own meals for the event.
3. Emergency medical services will be available during the Envirothon. All students, advisors, volunteers, and board members are required to complete a medical release form in order to be able to participate in this year's event. The information provided will assist medical personnel in providing proper treatment and will facilitate any contacts that need to be made.
4. The Pennsylvania Envirothon provides opportunities for photographs to be taken, which may be used in promotional tools by the program, public relation press releases, as well as by the media. Students who wish to give their permission for use of his/her photograph to the Envirothon are required to complete a photo release form.



Please contact the Pennsylvania Envirothon office at 814-310-3271 with any questions or for additional information.

Off Campus Lodging Information

Comfort Inn & Suites, 455 Theatre Drive, Johnstown, PA 15904 – (814) 266-3678

Sleep Inn, 453 Theatre Drive, Johnstown, PA 15904 – (814) 262-9292

Hampton Inn, 129 Commerce Ct., Johnstown, PA 15904 – (814) 262-7700

Holiday Inn Express, Scalp Avenue, Johnstown, PA 15904 – (814) 266-8789

This information is provided without any implied endorsement from the Pennsylvania Envirothon.

Directions to the University of Pittsburgh Johnstown (UPJ)

Directions and information may be found by visiting the UPJ website at <http://www.upj.pitt.edu>.

From Eastern, Southern or Western Points: Take PA Turnpike (Route 76) to Somerset Exit (Old Exit #10). From Somerset, take Route 219 North to the Geistown/Elton Exit, PA Route 756. Make a right off the exit, then another right onto Theatre Drive. Follow signs to campus.

Alternate route from Eastern or Southern Points: PA Turnpike (Route 76) to Bedford Exit (Old Exit #11). At exit, turn left on Business Route 220, and then left again onto Route 220 (I-99) North towards Altoona. Exit onto Route 56 West. Follow Route 56 for approximately 30 miles until you reach a traffic light near the community of Windber. Continue on Route 56 for about 3 miles until you come to a traffic light at Theatre Drive. Make a right onto Theatre Drive. Follow signs to campus.

From Directly Northern Points: Take Route 219 South to the Geistown/Elton Exit, PA Route 756 (Note: do not take the Johnstown Expressway exit). At the traffic light (bottom of exit ramp) turn left onto Route 756. At the second traffic light turn right onto Theatre Drive. Follow signs to campus.

Directions to the Windber Recreation Park – Testing Day

160 Rec Road, Windber, PA 15963

From UPJ: Start out going east on Schoolhouse Rd toward Picking Dr. 1.3 miles. Turn right onto Elton Rd/PA-756. University Park Church of God is on the right 0.9 mile. Take the 1st right onto Forest Hills Drive/PA-160. Forest Hills Drive is just past Post Street 3.0 miles. Turn sharp left onto Rec Road. Rec Road is 0.3 miles past Hoffman Farm Road. If you are on PA-160 and reach Gilda Dr you've gone about 0.1 miles too far. Follow Pennsylvania Envirothon signs.

From Route 56: At the traffic light turn onto 21st St/PA-160. Subway Restaurant is on the corner. 21st St is 0.2 miles past 24th St. Stock's 50 Six Pac is on the corner. If you reach 19th St you've gone about 0.1 miles too far 0.3 miles. Turn left onto Graham Ave/PA-160. Graham Ave is just past Jackson Ave. D'arc's Pizza Shop is on the corner. If you reach Somerset Ave you've gone a little too far 0.8 mile. Turn right onto 9th St/PA-160. Martella's Pharmacy is on the corner. Continue to follow PA-160 (up a hill). PA-160 is just past 10th St. If you reach 8th St you've gone a little too far 0.7 mile. Turn slight right onto Rec Road. If you reach Hoffman Farm Rd you've gone about 0.3 miles too far.