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STATE OF OHIO  
**Executive Department**

OFFICE OF THE GOVERNOR

*Columbus*

I, Mike DeWine, Governor of the State of Ohio, do hereby appoint Joseph F. Kemp Brady, Jr., from Mineral City, Tuscarawas County, Ohio, as a Member of the Environmental Education Council for a term beginning March 29, 2024 and ending at the close of business October 1, 2024, replacing James W. Metz, who resigned.



IN WITNESS WHEREOF, I have hereunto subscribed my name and caused the Great Seal of the State of Ohio to be affixed, at Columbus, this 29th day of March in the year of our Lord, Two Thousand and Twenty Four.

*Mike DeWine*

Mike DeWine  
Governor

## **JOSEPH K. BRADY**

New Philadelphia High School  
343 Ray Avenue · New Philadelphia · Ohio · 44663  
Phone: 330-364-0644 (School) · 330-340-5441 (Cell) · Email: bradyk@npschools.org

### **PROFESSIONAL GOALS**

- Empower students with the experience, academic background, and confidence necessary to pursue their dreams and realize their full potential.
- Facilitate the development of a scientifically and ecologically literate society through authentic experiences with nature.

### **TEACHING EXPERIENCE**

1999-Present—Teacher: AP Chemistry, Biology, Natural History, Ecology, and Environmental Science. New Philadelphia High School · 343 Ray Avenue NW · New Philadelphia, Ohio 44663

2001-2006—Teacher: Opportunity School Math and Science (alternative school)  
New Philadelphia City Schools · 248 Front St. SW · New Philadelphia, Ohio 44663

### **OTHER PROFESSIONAL EXPERIENCE**

2013-2020—ODE Biology Content Advisory Committee  
Ohio Department of Education · Columbus, Ohio

2014-2017—Science Standards Alignment Model Working Group  
Denison University · Granville, Ohio

### **EDUCATION**

2004—Masters Degree (MAT) Biological Science  
Miami University · Oxford, Ohio

1999—Ohio Teaching Certification: Biology, Chemistry and General Science  
Grades 7-12  
The University of Akron · Akron, Ohio

1994—B.S. Water Science  
Northern Michigan University · Marquette, Michigan

### **CURRENT COURSES**

- Biology II (Natural History of Appalachian Ohio)—A senior-level/college-level course that emphasizes a descriptive, field-based approach to understanding our environment.
- AP Environmental Science—A college-level environmental science course that examines effects of human activities on Earth systems and integrates ecology, environmental science, human socio-economic issues, and policy in resolving environmental challenges. This course was developed in accordance with the College Board's Curriculum Framework for AP Environmental Science.
- AP Chemistry—The equivalent of a college science major's first two semesters of chemistry, the curriculum was developed in accordance with the College Board's Curriculum Framework for AP Chemistry.
- BIOS 2200 Conservation & Biodiversity (Fall Semester)—This course provides students with a deep knowledge of the biodiversity of the Western Allegheny Plateau ecoregion, the roles of biological diversity in regulating ecosystem structure and function, and an understanding of the plight of biodiversity worldwide. This is a college course that offers students the opportunity to receive college credit from Ohio University.

- BIOS 2750 Ecology for the 21<sup>st</sup> Century (Spring Semester)—This is a general ecology course designed to enhance ecological literacy by engaging students in the study of the structure and function of ecosystems, challenges posed by mismatches between human society and how natural systems operate, and the struggle to solve some of our most pressing ecological challenges. This is a college course that offers students the opportunity to receive college credit from Ohio University.

## **RESEARCH INTERESTS**

- Terrestrial and aquatic ecology, with particular emphasis on forest, wetland, and headwater stream ecosystems.
- The influence of land use on the expanding ranges of hard ticks (Family: Ixodidae) and tick-borne pathogens.
- The influence of historic land use on contemporary forest and headwater stream communities.

## **PUBLICATIONS**

- **Brady JK, Mushrush JA (2023)** Mine reclamation does not restore leaf processing in low-order streams. *Hydrobiologia*, 850: 1189-1205, <https://doi.org/10.1007/s10750-023-05154-1>
- **Brady JK (2015)** Salamander diversity of reforested abandoned surface coal mines in the Appalachian Region, U.S.A. *Restoration Ecology*, 24: 398-405, <https://doi.org/10.1111/rec.12314>
- **Brady JK, Turner AM (2010)** Species-specific effects of gastropods on leaf litter processing in pond mesocosms. *Hydrobiologia*, 651: 93-100
- **Brady JK, Brady JC (2009)** Using field experiences to study the land-use legacy. *The American Biology Teacher*, 71: 419-423
- **Brady JK, Pearce TA (2007)** Terrestrial slugs in strip mined and unmined forested land, Tuscarawas County, Ohio, U.S.A. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 156: 117-122

## **PRESENTATIONS**

- **Brady, JK (2019)** Education of a certain kind. Keynote Address, *Great Lake Erie Educators Exchange Conference*, Cuyahoga Valley Environmental Education Center, Peninsula, OH.
- **Brady, JK (2018)** Salamanders and strip mines: engaging students with biodiversity and land use history, Oral Presentation at *Ohio Partnership for Amphibian and Reptile Conservation Conference*, Nationwide and Ohio Farm Bureau 4-H Center, Columbus, OH.
- **Brady, JK (2017)** Education of a certain kind. Keynote Address, *Appalachian Green Teacher Conference*, Burr Oak State Park, Glouster, OH.
- **Brady, JK (2016)** Engaging students in field studies of local ecosystems. Oral Presentation at *Rural Action's Inquiry-Based Environmental Education Conference*, Burr Oak State Park, Glouster, OH.
- **Brady JK (2015)** Preparing students for Ohio's new Biology End of Course Exams. Oral Presentation at the *2015 East Central Ohio Educational Service Center Professional Development Conference*, Kent State University at Tuscarawas, New Philadelphia, OH.

- **Brady JK** (2014) Effects of historic strip mining on terrestrial salamander diversity in Tuscarawas County, Ohio. Oral Presentation at the *Ohio Natural History Conference*, Ohio History Center, Columbus, OH
- **Brady JK** (2013) Authentic investigations of local ecosystems across multiple grade levels. Oral Presentation at the *Environmental Education Council of Ohio Conference*, Mohican State Park, Butler, OH
- **Brady JK, Turner AM** (2010) Snails, leaves, and crayfish: A model system for teaching ecology in the classroom. Oral Presentation at the *Ecological Society of America 95<sup>th</sup> Annual Meeting*, Pittsburgh, PA
- **Brady JK, Cholak E, Turner AM** (2009) The effect of snails on leaf litter processing in aquatic systems. Poster Presentation at *The Annual Meeting of the North American Benthological Society*, Grand Rapids, MI

## **GRANT AWARDS**

- 2022—Ohio Environmental Education Fund Grant: *The New Philadelphia City Schools Tick Project*—\$31,177
- 2021—Entomological Society of America Chrysalis Fund Grant: *New Philadelphia City Schools Tick Project*—\$1800
- 2017—Foundation for Appalachian Ohio AEP Access to Environmental Education Fund Grant: *Diving for Darters*—\$1500
- 2017—Quaker Foundation Grant: *There's something fishy going on around here*—\$500
- 2015—Ohio Environmental Education Fund Grant: *LIFE: Learning In Forest Ecosystems*—\$21,305
- 2013—Foundation for Appalachian Ohio AEP Access to Environmental Education Fund Grant: *Forest Stories*—\$1,300
- 2013—Ohio Division of Wildlife Aquatic Education Grant: *The Flies that Bind*—\$3,950
- 2012—Dominion Educational Partnership Grant: *Flies that Bind: Engaging students with local ecosystems through fly fishing*—2,310
- 2012—Ohio Environmental Education Fund Grant: *Fostering a Context of Inquiry: Authentic Investigations of local ecosystems across grade levels*—\$23,259
- 2012—Foundation for Appalachian Ohio AEP Access to Environmental Education Fund Grant: *The land, the water, and the fishing: A comparison of two Appalachian Ohio streams*—\$1,220
- 2011—Dominion Educational Partnership Grant: *Fostering a context of inquiry: examining local ecosystems and issues in elementary and high school science classrooms*—\$5,000
- 2009—Dominion Educational Partnership Grant: *Measuring the effect of acid mine drainage on ecosystem processes in streams*—\$3,900
- 2007—Dominion Educational Partnership Grant: *An investigation of potential trap designs for the collection of slugs in the genus Pallifera*—\$3,200
- 2006—Dominion Educational Partnership Grant: *A comparison of macroinvertebrate diversity in mined and unmined forests*—\$2,500
- Quaker Foundation Teaching Grants (approximately \$500.00 each): 2000, 2002, 2003, 2006, 2008, 2010, 2011, 2013, 2014, 2016, 2017, 2020, 2022

## **RECOGNITION**

- 2018—*Dr. William J. and Mae Hurst Jackson Award for Distinguished Teaching at New Philadelphia Schools*. New Philadelphia Quaker Foundation.

- 2016—*Cleveland Museum of Natural History Conservation Educator of the Year*. Cleveland Museum of Natural History.
- 2016—*Presidential Innovation Award for Environmental Educators*. White House Council on Environmental Quality and United States Environmental Protection Agency.
- 2012—*Tuscarawas County Soil and Water Conservation District Educator of the Year* (Along with my wife and fellow teacher, Jody Brady).

## GOVERNOR'S APPOINTMENTS TO BOARDS AND COMMISSIONS

**Appointment Date:** 3/29/2024

**Name of Appointee:** Joseph F. Kemp Brady Jr.

**Address:** 4346 Tall Timber Rd  
Mineral City, OH 44656  
Tuscarawas County  
(H): 3303434521  
(W): 3303640644  
(M): 3303405441  
(E): bradyk@npschools.org

**Name of Commission:** Environmental Education Council  
Alauddin Alauddin  
Assistant Chief, Office of Environmental Education  
Ohio Environmental Protection Agency  
D: (614) 644-3675  
C: (614) 254-3629  
Holly Tucker  
Environmental Administrator  
Ohio Environmental Protection Agency  
D: (614)-493-6884  
50 W. Town St., Suite 700 (P.O. Box 1049, Columbus 43216-1049)  
Columbus, OH 43215  
(P): (614) 644-3768  
(E): alauddin.alauddin@epa.ohio.gov; holly.tucker@epa.ohio.gov

**Term Begins:** 10/2/2022

**Term Ends:** 10/1/2024

**Party Affiliation:** Democrat

**Senate Confirmation:** Appointed by the Governor, confirmed by the Senate

**Financial Disclosure:** No disclosure required

**Vice:** James W. Metz