



# Bridget K. Booth

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## Objective

To empower Michigan citizens through education to become environmentally literate stewards of our natural resources.

## Professional Experience

**8<sup>TH</sup> GRADE SCIENCE TEACHER | HASLETT MIDDLE SCHOOL – HASLETT, MI | AUG. 2019 TO PRESENT**

**MIDDLE SCHOOL SCIENCE TEACHER | ST. THOMAS AQUINAS SCHOOL – EAST LANSING, MI | AUG. 2006 TO JUNE 2019**

- Utilize a variety of resources to plan and teach NGSS aligned physical, life and Earth science lessons for middle grade students.
- Balance individual, small group and entire class lessons, lab activities and STEAM concepts to accommodate a variety of learning styles, special needs and personalities.
- Develop and administer meaningful formative, summative and performance based assessments to track student progress and modify instruction.
- Work collaboratively with teaching team to plan and implement meaningful, interdisciplinary project based learning lessons.
- Integrate educational technology into lessons to enhance student learning and manage grades in digital gradebook.
- Provide leadership and promote collaboration through school-wide initiatives such as the school improvement team and school climate accreditation committee.
- Present current science and outdoor instructional strategies with NGSS integration to faculty at monthly meetings.

**PROGRAM DIRECTOR | WOLDUMAR NATURE CENTER | MAY 1996 TO SEPTEMBER 2003**

- Developed, coordinated and instructed standards aligned environmental educational programs for visiting school groups.
- Developed and presented curriculum relevant programs to students in area schools.
- Hired, trained, managed and evaluated program staff and volunteers.
- Coordinated and directed daily events and activities and managed budget for 9 week summer day camp.
- Developed and implemented community outreach programs.
- Created all program brochures, advertisements and supplementary literature and wrote articles for quarterly newsletter.
- Oversaw collection development for books in print and enhancement of displays, natural artifacts and supplies for preschool, elementary and middle school programs.
- Secured supplemental funding through grants and philanthropic channels.
- Managed large-scale special events and fundraisers.

## ADDITIONAL EXPERIENCE

- Substitute Teacher – Lansing School District
- After-School Arts and Crafts Instructor – City of Lansing Letts and Foster Community Centers
- Camp Counselor and Lifeguard – City of Lansing Parks and Recreation Department
- Instructor and Overnight Supervisor – Impression 5 Science Center

## Relevant and Ongoing Experience

### ADVANCING SCIENCE LITERACY

- Science Fair Coordinator – St. Thomas Aquinas
  - Planned and oversaw annual school-wide, thematic science fair showcasing student work and promoting civic participation.
  - Directly supervised middle school projects as students met project deadlines and engaged in a peer review process.
  - Advanced students' understanding of scientific concepts and methodology and their ability to articulate findings in a scientific journal launched in 2014.

- Citizen Science Projects
  - Engage middle school students in year-long and seasonal environmental science projects in which data is collected and submitted to nationally recognized citizen science programs.
  - Empower students through project based learning endeavors to design solutions to current environmental issues and share their findings with the school community.

#### PROMOTING ENVIRONMENTAL STEWARDSHIP

- Green School Initiatives
  - Oversee the middle school Conservation (HMS) and GREEN Clubs (STA) which employs student centered design to increase school engagement in environmental efforts.
  - Lead coordination to gain Michigan Green School Certification in 2014, earning emerald status in 2015. Engaged students and school administration to meet the necessary criteria. (STA)
  - Developed and administered school wide recycling efforts. (STA)
  - Plan and implement environmental programming for the school, including yearly week-long activities around Earth Day.
- Environmental Program Development
  - EcoAction Environmental Science Elective – Haslett Middle School
  - Green Infrastructure Outdoor Science Lab Student-led Design – Haslett Middle School
  - Outdoor Classroom Design & Programming – St. Thomas Aquinas
  - Counselor-In-Training (CIT) Program – Woldumar Nature Center
  - Outdoor Adventure and Nature-Immersion Programming – City of Lansing Parks and Recreation Dept.

#### SECURING PROGRAMMING FUNDS

- Green Infrastructure for Schools – Meridian Township Board/Environmental Commission
- Outdoor Classroom – St. Thomas Education Foundation Grant
- Building Healthy Communities Program – Blue Cross and Blue Shield of Michigan and other partners
- Low Ropes Initiatives Course – Woldumar Nature Center

### Education and Certification

#### MICHIGAN STATE UNIVERSITY | EAST LANSING, MI

- Bachelor of Science in Zoology, December 1996
- Graduate coursework for Professional Teaching Certificate with Integrated Science (DI) Endorsement, June 2015

#### SPRING ARBOR UNIVERSITY | SPRING ARBOR, MI

- Provisional Teaching Certificate, Elementary k-5 all subjects with Biology (DA) Endorsement, December 2006

#### MICHIGAN ALLIANCE FOR ENVIRONMENTAL AND OUTDOOR EDUCATION

- Environmental Educator Certification, September 2019

#### ENVIRONMENTAL EDUCATION CURRICULUM AND SCIENCE INSTRUCTION CERTIFICATIONS

Project Wild, Project Learning Tree, Leopold Education Project, Michigan Environmental Education Curriculum Support (MEECS), Academy of Natural Resources, NGSX – Next Generation Science Exemplar, NAAEE K-12 EE Guidelines for Excellence

### Professional Memberships

- Michigan Alliance for Environmental and Outdoor Education (MAEOE) – Board of Directors President 2020 & 2021
- North American Association for Environmental Education (NAAEE) – Guidelines Trainers’ Bureau
- Michigan Science Teacher Association – Conference Presenter