



LILLY CENTER FOR
**LAKES
& STREAMS**

A Division of Grace College

Lilly Center for Lakes & Streams Excellence in Education

Dr. Nate Bosch, Caitlin Yoder

Wednesday, Sept. 18, 2019

2019 Governor's Award for Environmental Excellence in the **Education/Outreach** category

Context

Education

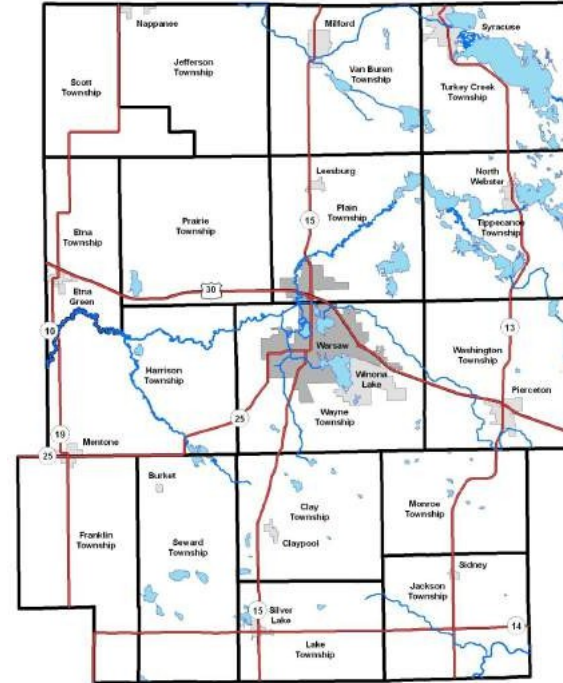
Next Steps



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Context

- Kosciusko County, IN
- Lakes
 - Over 100 lakes
 - Lake Wawasee
 - Lake Tippecanoe
- Streams
 - Almost 600 miles of streams
 - Tippecanoe River
- Continental divide



Context

Education

Next Steps



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Our Strategy

- Research
 - Solving problems strategically
 - Identifying emerging threats
- Education
 - Inspiring the next generation
 - Changing behavior now
- Collaboration
 - Effectiveness
 - Efficiency

Our Mission

Making our
lakes and streams
clean, healthy,
safe, and beautiful



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Context

Education

Next Steps

Lilly Center K-12 Programs

- Aquatic Petting Zoo
- Lake Adventure Days
- Classroom Lake Experience
- Lakes & Streams Student Art Contest



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Context

Education

Next Steps

Aquatic Petting Zoos

- Reached **330+ students** during the 2018-19 school year
- Students experience four native species: catfish, crayfish, frogs and turtles
- Learn about habitats, life cycles and more



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Lake Adventure Days

- During the 2019 event, the Lilly Center hopes to teach **800+ fourth-graders** about their impact on local waterways
- Students learn through water testing, watershed demonstrations, fishing lessons, crafts and more



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Classroom Lake Experience

- Reached over **2100 students** during 2018-19 school year
- Community Lake Experience reached **4000+ community members**
- Aquariums hold 4-5 native fish and represent lake habitat
- Students learn about social responsibility, food webs, their watershed, non-point source pollution, stormwater management and more



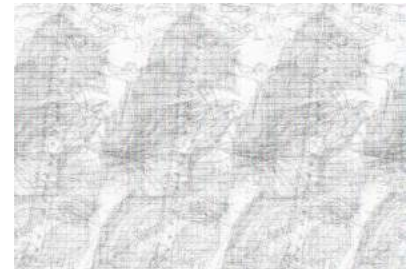
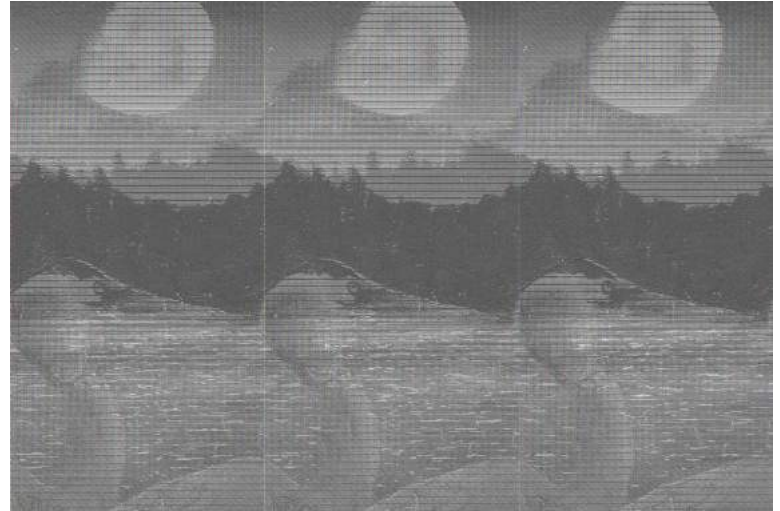
Context

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Next Steps

Lakes & Streams Art Contest

- 12th-annual contest
- Last year, **254 4th-12th grade students** contributed artwork
- Creatively displays beauty of local lakes and native wildlife
- Winning pieces are displayed in local businesses from May-July



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Context

Education

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Partnership with Grace College

- Equipping future teachers: the Lilly Center currently employs 5 education majors from Grace College education department
- Student team members help plan and write original curriculum, run programs, and teach in classrooms throughout the county
- Education department also helps host Lake Adventure Days



Context

Education

Next Steps



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In-House Field Trips

- **Almost 20 hands-on, place-based field trips** are planned for this school year
- All field trips meet Indiana and Next Generation Standards
- Students use unique tools, like virtual aquarium and augmented reality sand table
- Adaptable programing will supplement what teachers are already doing in their classrooms



Context

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- “Thank you for so much for hosting my class! You did a great job squeezing in both lab and outdoor information! My students had a great time!” - Local 8th-grade teacher
- “Mrs. Baier impacted me because I learned a lot of important facts and am now thinking of going to Grace College.” - Local 8th-grade student
- “This trip impacted me to continue my love for studying our planet and the beings that live here, big or small.” - Local 8th-grade student
- “Thank you so much for our aquarium! It has been a beautiful, helpful tool to teach about our environment and keeping our creatures safe.” - Local 4th-grade teacher
- “Thank you for the fish and catfish. I loved them. My favorite job was feeding the fish. I miss them already.” Local 4th-grade student
- “We loved learning about our local lakes with our fish tank!” - Local 1st-grade teacher

Thank you!



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