



PAUL TIMM

2021 NEBRASKA TEACHER OF THE YEAR

Paul Timm is a 7-12 science instructor from Lyons-Decatur Northeast Public Schools in Lyons, Nebraska. Paul's proud to say that LDNE is his K-12 alma mater. He currently teaches in the same classroom where he discovered the joys of learning and exploring the natural sciences. He holds three teaching endorsements in Biology, Agriculture Education, and Health Sciences Education, with a Bachelors of Science in Agricultural Education in 2003 and a Masters of Science in Entomology with a focus on honey bees in 2009, both from the University of Nebraska-Lincoln. Mr. Timm has taught 18 uniquely diverse curricular classes in his 17-year teaching career, including college credit biology, science research, welding and agricultural mechanics, Earth and space science, and leadership. He has coached track and field as well as high school cross country in which his teams have earned four conference championships and five team state qualifications. He serves as LDNE's Student Assistant Team Coordinator for grades 7-12. He sponsors Quiz Bowl, National Honor Society, and is a substitute bus driver for his district. Paul is a National Geographic Certified Educator, a 2020 Advocate for The Society for Science and the Public, and a 2017 Nebraska Finalist for the Presidential Award for Mathematics and Science Teaching. He, his wife, and three children live less than a mile away from the family farm, where they pursue their love of rural life. Mr. Timm is passionate about family, his Savior, and mentoring kids. Some of his interests include beekeeping, bird watching and playing guitar. Mr. Timm loves the teachable moment and brainstorming how technology can be used to produce and enhance learning opportunities, especially through collaborative efforts between school districts both within the state of Nebraska and around the world.

PAUL TIMM

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Nebraska Teacher of the Year



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PROGRAM ADMINISTERED BY

Nebraska Department of Education

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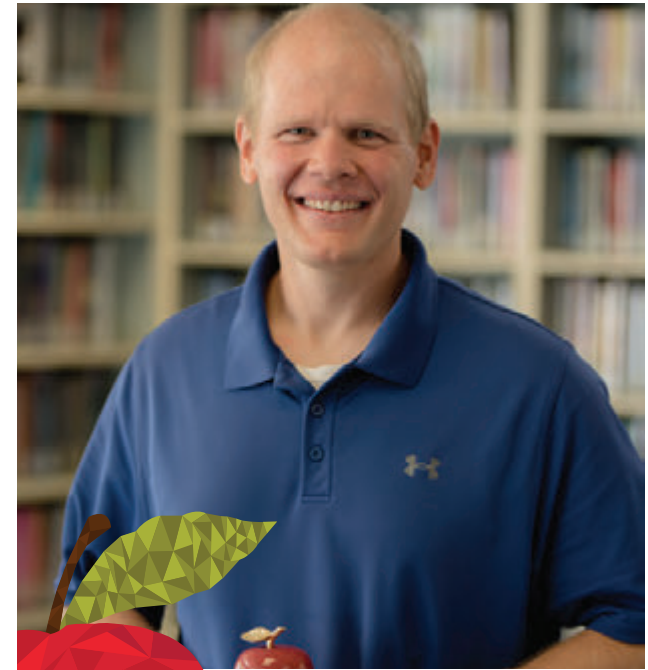
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The National Teacher of the Year Program is run by the Council of Chief State School Officers.



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Science Teacher

Lyons-Decatur Northeast Public School

Lyons, Nebraska

WORKSHOP PRESENTATIONS



Helping Children Explore the World and Solve Real-World Problems through Science Inquiry & Engineering

Have you ever wanted to get your students engaged in conducting science inquiry and engineering projects? Have you felt confused on how to do so, how you might fit it into your curricular area, or overwhelmed at the thought of facilitating the scientific engineering methods on topics of which you don't feel an expert? YOU ARE NOT ALONE! There's good news! Only two things are required for conducting science inquiry and engineering: 1) problems, and 2) curiosity. Let the world provide the former and your students the latter as you work with Paul in learning how to incorporate science research and engineering into your students' learning through both class-wide inquiries and individual science research and engineering projects, all while supporting Three-Dimensional Learning and Nebraska State Science Standards.



Bug Bash...It's all the Buzz!!!

From astonishing weightlifting abilities to superpower defenses, insects display a diversity of behaviors and traits unknown to most organism groups. They outnumber all other animal taxa, with ants alone making up 15-20% of all biomass on the planet. They are now even being explored as a potential protein source for processed foods for human consumption. Learn to help your students develop both science inquiry and engineering skills as they explore the amazing abilities of Insects. Paul's background includes a Masters Degree in Entomology with a focus on honey bees and over a decade of teaching both teachers and students how to use insects as model organisms for conducting independent science research. From dancing and navigating like a honey bee to the grasshopper long-jump, discover how the amazing world of insects can transform your learning environment to a meaningful, interactive experience.

Birds of a Feather Flock Together

Nebraska is an amazingly diverse state! Located within the central flyway of North America and containing several unique ecoregions, the Beef State is both home and migration "truck stop" to hundreds of diverse bird species. Some birds such as the Northern Cardinal and Horned Lark endure the rough weather conditions Nebraska's climate dishes out while others such as the Ruby-throated Hummingbird and Yellow-headed Blackbird migrate across Nebraska as they make their semi-annual flights from Panama and Argentina all the way to Canada. Birds have many super-powers and are valued for both their clever behaviors and beautiful feather patterns. In this workshop, Paul explores the amazing powers of Nebraska's birds, how teachers and students can explore those powers both in the classroom and at home through the use of free resources he shares, and how through the use of technology students and adults alike can become citizen scientists, collecting and reporting bird data scientists will use to study everything from human health and disease to ecosystem health and biodiversity. Come join the flock of thousands of Nebraskans as we explore the avian diversity of Nebraska.

