

Donna Norberg

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Objective

Encourage logical and collaborative problem solving through exploration of physics and sharing joy in learning.

Licenses

Minnesota 9-12 Chemistry, 9-12 Physics

Experience

August 2018 - Present *Centennial High School* Circle Pines, MN

Physics Teacher

- *Physics I and II, Physics Concepts, and CIS Physics through UMN Twin Cities*
- *Member of the Executive Committee guiding all PHYS 1101W teachers through the UMN Twin Cities*
- *Use of AVID strategies in all classes in increase student engagement and achievement*
- *FIRST Robotics Coach (Team 2472)*

January 2005 – August 2018 *St. Paul Public Schools* St. Paul, MN

Science Teacher and Department Co-Chair – Como Park and Arlington Senior High Schools

- *9th grade Physical Science, General and ELL Chemistry, General Physics, CIS Physics through UMN*
- *Technology-enriched, results-oriented lesson and unit plans, utilizing interactive whiteboards, Vernier probeware, learning management systems including Moodle and Schoology, and iPads*
- *Extensive experience with low-income, special education and English language learners and families*
- *FIRST Robotics Coach (Team 2855)*
- *Social Media Manager for CPHS (Twitter, Facebook, weekly Wordpress newsletter)*
- *Mediated between science teachers and school administration*

January 2014 - present *University of Minnesota* Minneapolis, MN

Physics Force Demonstration Squad – Physics Department

- *Participated and supported demonstration shows to teachers and students around the Twin Cities Metro*
- *Social Media Manager (Twitter & Facebook)*

Summer 2009 *University of Minnesota* Minneapolis, MN

Research Experience for Teachers – Physics Department

- *Worked in Dr. Paul Crowell's lab to attempt to image a domain shift within a semiconductor substrate, developing deep knowledge of magnetism and imaging technology along the way*

June 1998 – January 2005 *Valspar Corporation* Minneapolis, MN

Chemist I - Technology Development/Transportation

- *Developed and supported coatings technologies to be used by major OEM customers*
- *Operated 2 years as Laboratory Safety Coordinator in charge of training, programs, and organization of safety procedures and equipment (in addition to regular duties)*
- *Supervised building maintenance and inventory staff*

Education

Hamline University – St. Paul, Minnesota

Graduate School of Education

- *Master of Arts in Teaching achieved May 2007*
- *PhASE Program for physics licensure completed August 2007*

University of Illinois at Urbana-Champaign

College of Liberal Arts and Sciences -- Graduated May 1998

- *Bachelor of Science in Chemistry*
- *Highest Distinction in the Curriculum, ACS Accredited*

**Relevant
Training**

Modeling Instruction - Physics Week 1
Winona State - July 2013

Modeling Instruction - Chemistry Week 1
Shakopee HS - July 2018

AVID Summer Institute
Science I and II (various dates)

Google Certified Educator Level 1
July 2018

**Professional
Memberships**

American Association of Physics Teachers (AAPT)
American Modeling Teachers Association (AMTA)
National Science Teachers Association (NSTA)
Minnesota Science Teachers Association (MnSTA)

References upon request