

# ANDREW REID HEGDAHL

## EDUCATION

M.S. Chemistry: Chemical Education  
South Dakota State University

B.A.S. Teaching of Physical Science: Chemistry  
B.A.S. Teaching of Life Science  
Biology and Chemistry Minor  
University of Minnesota Duluth

## LICENSURE

Teaching Physical Science – Chemistry 9-12  
Teaching Life Science 5-12  
Teaching Earth and Space Science 9-12  
Teaching Science 5-8

## TEACHING EXPERIENCE

### **Dassel-Cokato Science Teacher**

Cokato, Minnesota

*August 2010 – Current*

- ❑ Operating at the highest content level in my discipline teaching College Chemistry
- ❑ Department Chair 2017-current
- ❑ Developed leadership skills managing decision making between department members by facilitating communication and making equitable decisions based on what is best for students.
- ❑ Experience in understanding that every department member is a leader in their own way and that we become the most effective team is when each person is allowed to contribute in the right time and place with their strengths.
- ❑ Participated in bi-weekly Building Leadership meetings to make broad decisions that impact the faculty, students, and facilities.
- ❑ Utilized technology platforms schoology and google apps to assess, organize, and augment student learning
- ❑ Initiated robotics program and acceptance of new robotics course starting the 2016-2017 school year
- ❑ Implemented standards based grading as a means to improve assessment of student learning
- ❑ Used data as part of weekly PLC meetings to guide decisions for improving student learning
- ❑ Worked with teachers within science department to establish and measure district and department goals
- ❑ Experience teaching CIS Chemistry, Chemistry, Food Chemistry, Earth and Space Science, Biology, & Physics
- ❑ 4 years of experience teaching science and outdoor education at an Alternative Learning center

### **Denfeld High School Substitute Teacher**

Duluth, Minnesota

*February 2010 - April 2010*

- ❑ Taught 5 periods of 9<sup>th</sup> grade Physical Science for 7 weeks
- ❑ Met three times a week with school social workers, counselors, and fellow teachers to discuss shared concerns of at-risk students as part of my participation in the 9<sup>th</sup> grade Core Program

### **Denfeld High School Student Teacher**

Duluth, Minnesota

*Sept 2009 - Dec 2009*

- ❑ Taught four periods of Biology and co-taught Introductory to Chemistry for the semester
- ❑ Designed, implemented, and assessed lesson plans and units on scientific method, water purification, atomic structure, chemical equations, taxonomy, cell biology, scientific method and biochemistry
- ❑ Communicated with parents and conducted parent-teacher conferences

### **High School Apprentice**

Duluth East High School and Two Harbors High School, Minnesota

*Jan 2009 - May 2009*

- ❑ Observed and assisted in 9<sup>th</sup> grade Physical Science, 10<sup>th</sup> grade Biology, and two 11<sup>th</sup> grade Chemistry classes
- ❑ Taught three lessons in 11<sup>th</sup> grade Chemistry on equilibrium

### **Hermantown Middle School Apprentice**

Duluth, Minnesota

*Sept 2008 - Dec 2008*

- ❑ Taught four lessons to a 7<sup>th</sup> grade Life Science class on cell biology and genetics
- ❑ Spent ninety-six hours working in and observing multiple classrooms
- ❑ Assisted students in the classroom with content learning

## **RELATED EXPERIENCE**

### **LINK Crew Advisor**

Cokato, Minnesota

*Aug 2022 - Current*

- ❑ Lead 9th grade orientation with LINK Crew Advisors
- ❑ Modeled and taught 30+ junior and senior student leaders to lead and mentor small groups of freshman in activities throughout the school year

### **FIRST Robotics Mentor**

Cokato, Minnesota

*Dec 2018 - 2020*

- ❑ Assisted new coaches in managing logistics, finances, sponsorship, and student guidance.
- ❑ Stepped down as head coach as I felt I could not make the time commitment needed for our team to continue to grow and expand while living an hour from the school.

### **FIRST Robotics Head Coach**

Cokato, Minnesota

*Dec 2013-March 2018*

- ❑ Taught students how to have a team be student led and managed, communicate professionally with local businesses, resolve conflicts within a team, record designs following an engineering process, as steps towards building their Robot