

# Stephanie R Erps

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## **EDUCATION**

June 2020 - Present	University of Iowa, Iowa City, IA <b>Ph.D. Secondary Science Education</b>	Est. Graduation May 2026
July 2015	Concordia Portland University, Portland, OR <b>M.Ed. Secondary Science Curriculum and Instruction</b>	GPA 3.91 - Magna Cum Laude
May 2013	Wartburg College, Waverly, IA <b>Bachelors of Art in Chemistry &amp; Secondary Science Education</b>	GPA 3.6 - Cum Laude

## **TEACHING EXPERIENCE**

### **Post Secondary Experience**

Aug 2020 - Dec 2020	Societal & Educational Applications of Biological Sciences <b>University of Iowa, Iowa City, IA</b> Fully Responsible for Course development and delivery Prepared pre-service teachers for their future Secondary Life Science classrooms Connected classroom scholarship and inquiry with community content scholars Instilled inquiry practices and love of science interwoven with classroom management
Jan 2021 - May 2021	Societal & Educational Applications of Chemical Concepts <b>University of Iowa, Iowa City, IA</b> Fully Responsible for Course development and delivery Prepared pre-service teachers for their future Secondary Physical Science classrooms Connected classroom scholarship and inquiry with community content scholars Shared best practices in lab inquiry and safety
Aug 2021 - Present	Elementary Science Methods <b>Western Illinois University, Quad City Campus, IL</b> Prepared pre-service teachers for their future Elementary Science classrooms Instructed through generative strategies and constructivist ideals Assisted community outreach programs to promote STEM and STEM Education

### **Secondary Experience**

July 2019 – June 2021	Science Teacher <b>Anamosa High School, Anamosa, IA</b> <ul style="list-style-type: none"><li>● Taught the Chemistry &amp; Physics Core Courses</li><li>● Learned and implemented NGSS Standards aligned to standards based grading best practices and assessments</li><li>● Created dynamic lessons for hands on learning</li><li>● Implemented laboratory activities to create meaningful learning with end product in mind</li><li>● Maintained chemical storage facility and inventory</li><li>● Mentored gifted students in challenging coursework and Advanced Placement courses</li></ul>
July 2017 – June 2019	Science Teacher <b>Bayfront Charter High School, Chula Vista, CA</b> <ul style="list-style-type: none"><li>● Taught the Chemistry Core Course for the A-G requirements and also taught a Forensic Science Elective Course</li></ul>

- Learned and implemented NGSS CA Standards – attended trainings as well
- Use technology along with lab experiences to enhance student learning
- Collaboratively work with teachers, co-teachers, and EC department leaders to aid students' learning
- Develop a classroom management style while putting pedagogical theories into practice
- Mentored a first year teacher and provided guidance and feedback in areas such as curriculum development, teaching strategies, and time management

Jan 2017 – Aug 2019

Virtual Science Teacher  
**Onslow Virtual Academy**

- Part of the groundbreaking team for this new system – providing feedback and instruction as we started the semester
- Grade all assignments and provide instructive feedback
- Communicate with students, parents, and ELAs to ensure the success of all students
- Attend all meetings and teach local meetings and Professional Developments

Jan 2017 – Present

Virtual Science Teacher  
**North Carolina Virtual Public School**

- Communicate with students, parents, and ELAs to ensure the success of all students
- Post informational, celebratory, and instructive announcements daily for all students
- Grade all assignments and provide instructive feedback
- Taught courses ranging from Forensic Science, Chemistry, AP Environmental Science, and AP Physics 1
- Mentored incoming teachers to uphold our morals and values in high quality teaching practices

Aug 2013 - June 2017

Science Teacher  
 Northside High School, Jacksonville, NC

- Taught Honors Earth Science, Chemistry, Honors Chemistry, AP Chemistry, AVID 11, and Physical Science
- Used technology along with lab experiences to enhance student learning
- Collaboratively worked with peers, co-teachers, and EC department leaders to enhance student learning
- Developed a classroom management style while actively applying pedagogical theories
- Used Inquiry Based learning tactics to help students find ownership in learning
- Communicated with parents utilizing interpersonal communication techniques, both in person and through the use of various media devices
- Evaluated students in quantitative and qualitative ways using differentiation

## **RESEARCH EXPERIENCE**

July 2020 - Present

The Hand Group  
**University of Iowa, Iowa City, IA**

- Assisted in the professional development of inservice teacher in the Science Writing Heuristic Project
- Qualitatively coded inservice teacher vignette responses following professional development
- Case Study analysis of negotiation best practices in a second grade science classroom
- Researched Power & Agency markers in classroom observations

Aug 2021 - Present

The Becker Group  
**University of Iowa, Iowa City, IA**

- Research phenomena based practices in first year Chemistry Undergraduate courses at three large institutions

- Coded lectures for phenomena markers and causal mechanistic reasoning

### LICENSES

May 2013	<b>Iowa Secondary License</b> 5-12 Physical Sciences
August 2013	<b>North Carolina Secondary License</b> 8-12 All Science
May 2016	<b>North Carolina Secondary License</b> SP2-M 8-12 All Science
July 2017	<b>North Carolina Secondary Licensure Certificate</b> Academically and Intellectually Gifted
July 2017	<b>California Chemistry License</b> Chemistry

### PROFESSIONAL APPOINTMENTS

August 2021 - Present	North Carolina Virtual Public School, NC <b>Strategic Support Instructional Leader   Teacher in Training Mentor</b>
July 2019 - June 2021	Anamosa High School, Anamosa, IA <b>Student Council Advisor   National Honor Society Advisor</b>
July 2017 – June 2019	Bayfront Charter High School, Chula Vista, CA <b>Instructional Leadership Team   National Honor Society Advisor   Cheerleading Coach</b>
February 2015 – June 2018	Northside High School, Jacksonville, NC <b>AVID Site Coordinator   Chemical Hygiene Specialist   Key Club Advisor   SAT Scholar Scholarship Advisor   Mentor of Beginning Teacher   National Honors Society Advisor   Junior Varsity Cheer Coach</b>

### UNDERGRADUATE APPOINTMENTS

June 2011- Dec 2012	<b>Rock Island Arsenal Chemical Intern:</b> Rock Island Arsenal, Rock Island, IL
Jan 2010 – June 2013	<b>Educational Research:</b> Wartburg College, Waverly IA
Aug 2010 – June 2013	<b>Lab Assistant:</b> Wartburg College, Waverly IA
Aug 2012 – June 2013	<b>General Chemistry Tutor:</b> Wartburg College, Waverly IA

### PROFESSIONAL DEVELOPMENTS AND TRAININGS – CHRONOLOGICAL ORDER

- Critical Reading and Writing (AVID) – Jan 2014
- NC State High School Chemistry Final Exam Reader – March 2014
- Chemistry AP Summer Institute – Jun 2014
- Secondary Implementation (AVID) – July 2014
- Edmodo Training – Aug 2014
- Chemical Hygiene Training – Aug 2014
- NCDPI Grading Training (Chemistry NC Final Exams) – Dec 2014
- Leadership at Demonstration Sites (AVID) – July 2015
- CPR Training (First Responder) – Aug 2015
- Onslow County Schools Leadership Training – Aug 2015
- Tutorology (AVID) – Aug 2015
- One Note Training – Aug 2015
- TeddiBear Sexual Assault Training – Jul 2016
- Covey Leadership Summit – Aug 2016
- NCVPS Teacher in Training – Aug 2016
- Onslow County Mentor Training – Aug 2016
- Technology and the Flipped Classroom – Aug 2016
- NCVPS Teacher Practicum – Oct 2016
- NCVPS Innovation in Digital Learning Book Study – Summer 2017

- NCVPS Digital Leadership Book Study – Spring 2018
- NGSS Phenomena Implementation Training – October 2017
- Illuminate Test Training – August 2017
- Achieve 3000 Reading Training - August 2017
- ISTE Summer Institute – June 2018
- Advanced Placement Environmental Science – July 2018
- NCVPS Teach Like a Pirate Book Study – Summer 2018
- Advanced Placement Physics Training - Summer 2019
- Advanced Placements Biology Training - Summer 2020

**AWARDS AND RECOGNITION – ALPHABETICAL ORDER**

- ACS Outstanding Undergraduate Poster Award – Omaha, Nebraska
- Beginning Teacher of the Year Award – Northside High School
- HARMONY Grant Adviser Recipient – Onslow County Government
- Herbert and Ester Max Endowment – Wartburg College
- The Legler Benbough Award for Innovative Use of Technology in the Classroom – Bayfront Charter High School
- Jones-Onslow Grant Recipient (3 Years) – Northside High School
- On the Spot Award – Rock Island Arsenal
- Outstanding Senior in Chemistry Education – Wartburg College
- Who's Who Recipient/Service and Leadership Award – Wartburg College