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**Alyson N. Jantzen**  
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**EDUCATION**

**University of Rhode Island:** Kingston, RI  
Master of Arts in Adult Education May 2016  
Summa Cum Laude

**University of Rhode Island:** Kingston, RI  
Bachelor of Arts in Secondary Education May 2011  
Bachelor of Arts in Mathematics  
Cum Laude

**EXPERIENCE**

**University of Rhode Island, Kingston, RI** August 2022 - Present  
*Assistant Teaching Professor - Mathematics*

- Assistant Teaching Professor for MTH 208/209 sequence - Numeracy for Teachers I/II. Fall 2022 - Present.
  - In this course, I help future elementary education teachers develop the appropriate skills needed to implement meaningful math lessons for their students and the Common Core and National Council for Teachers of Mathematics standards.
- Assistant Teaching Professor for MTH 103 - Applications of Precalculus.. Fall 2022 - Present.
  - In this course I have been working on developing meaningful lessons that connect the mathematics to the students' specific majors.
- Serve on the Undergraduate Committee for the mathematics department.

**Westerly High School: Westerly, RI** August 2011 – Present  
*Classroom Teacher – Mathematics 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade*

- Taught Algebra I, Geometry, Algebra II, Pre-Calculus, College Math, Problem Solving and Statistics, and remedial math courses.
  - Created and delivered effective lesson plans that were scaffolded to meet the needs of all learners.
  - Worked closely with collaborators and Special Education teachers to provide differentiated instruction.
  - Reinforced elementary foundational skills throughout remedial math courses to improve mathematical fluency.
  - Taught credit-recovery and ramp-up courses both after school and over the summer for struggling students.
- Incorporated technology into the classroom through modes such as Edu-creations, Desmos, Google Slide Decks, IXL, Kuta Works, Interactive Whiteboards, and Google Meets.
  - Participated in several trainings and professional development opportunities to learn how to use and incorporate technology into the classroom
- Coordinator and teacher in alternative learning program
  - Math teacher and Coordinator of an alternative learning program offered through Westerly High School.

- o Worked closely with another coordinator to create a safe learning environment that would foster the growth and development of students who were not meeting with success in a traditional setting.
- o Collaborated with other teachers to create interdisciplinary project-based learning modules.
- Mathematics Interventionist
  - o Collected and analyzed baseline data on targeted students and used this data to implement individualized interventions as needed.
  - o Progress monitored these students and increased or decreased interventions as needed.
  - o Participated in both a push-in and pull-out model of math intervention.
  - o Met with and worked with an intervention team closely to review best practices and make changes where we saw fit.

## **UNDERGRADUATE CLASSROOM EXPERIENCE**

### **Cooperating Teacher for University of Rhode Island Students:**

- Taught, mentored, and provided feedback to multiple student teachers that completed their practicum with me.
- Helped these student teachers to create effective lesson plans that would both engage and challenge all students.
- Reviewed and further explained the rigorous mathematical content that they would be teaching.
- Provided insightful feedback both orally and in written form during debriefs and evaluations.

### **Undergraduate Mathematics Support for the Community College of Rhode Island Students**

- Developed and led volunteer review sessions for an undergraduate college math course at CCRI.
- Worked closely with an adjunct math teacher at CCRI to troubleshoot what students were struggling with and how I could provide support.
- Volunteered time to teach review sessions to students in a non-credit remedial math at CCRI.

## **RESEARCH**

### **Practicum Research:**

- Researched, studied, and created a mock professional development that would begin the work of bridging the gap between high school and college mathematics.
- Research focused on the large number of students that are forced to take remedial mathematics courses in college that does not count for credit even though they successfully earned high school credit.
- Research focused on failure rate, drop-out rate, and retention rate.
- Interviewed and worked closely with a CCRI mathematics instructor and was given access to meet with her class.
- Ran volunteer review and extra-help session with the students in this undergraduate math class.

## **PRESENTATIONS**

### **Professional Development Training Sessions:**

- Delivered many training sessions during professional development days at Westerly High School
  - o How to utilize Khan Academy for individualized SAT ramp-up in the classroom
  - o Project based learning in the classroom
  - o Math intervention
- The Effects of Instructional Methods on Students Achievement in Remedial Math Courses
  - o Presentation created and delivered as part of the requirements for the degree of Master of Arts in Education

## **RELATED EXPERIENCE**

### **Math Tutor:**

September 2006 - Present

- One on one and small group settings, focusing on General Mathematics through Calculus.
- Online/virtual tutoring.

- SAT tutoring
- Credit Recovery
- Advantage Tutoring Company