

Professional Growth Plan

Professional Growth in Education - Background

My main goal is to use my knowledge and skills to make sure students understand mathematical concepts. I started to work in education more than a decade ago in different levels of education and different schools. I started to work as a math tutor in several tutoring companies for a few years; I worked as a substitute teacher for two years at Paterson School District; I worked as a math adjunct in several colleges: Hudson County Community College NJ, Passaic County Community College NJ, and Eastern International College, NJ for several semesters; and In the past five years, I was able to work as a math teacher in a few urban high schools.

Tutoring Goal

- Deliberated lesson plans for specific math subjects
- Reviewed over homework questions the students struggled with
- Measured their improvements during the duration
- Discovered what math notions they didn't understand tried to make them comprehensible
- Answered questions about problems they were having trouble with

Substitute teacher Goal

- Established and enforced rules the teachers assigned
- Managed a classroom of twenty to thirty students and dispersed assignments the teachers give
- Followed procedures and policies developed by school superintendents
- Formed a safe environment for the students

Math Adjunct Goal

- Basic Math, Basic Algebra, Pre Calculus
- Created lesson plans for each day
- Graded exams and monitored each student's progress
- Set targets for students and measure performance
- Assisted students in understanding lessons that they will be tested on
- Assigned homework and produce review sessions for difficult questions

Math Teacher	● Developed lesson plans for students in Basic Math classes ● Assigned group projects for students to show skills learned in class ● Created programs where students can apply lessons learned in class to real life settings ● Utilized exams and quizzes to see if students reached target scores and see where their weaknesses are ● Tutored students in areas they are struggling in to make sure they understand the concepts
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Professional growth long-range goals (even beyond the program) and current objectives for the year.

My professional growth long - range goal centers on expanding knowledge on learning and teaching mathematics through technology and conducting research in learning and teaching topics; my current objective for this year is to complete the doctoral degree successfully.

The professional growth long - range goal on expanding knowledge in mathematics will center on following activities.	● Increasing subscribers in my math youtube channel. ● Posting a greater number of qualitative youtube videos in my math channel. ● Developing lesson plans with ChatGpt-3 in mathematics. ● Exploring various learning and teaching strategies in high school mathematics. ● Increasing mathematical projects in the school website for the projects. ● Increasing free tutoring hours for my students. ● Applying technological tools in math projects.
The professional growth long - range goal on expanding knowledge in conducting research in learning and teaching topics will	● Conducting research on educational topics related to learning and teaching. ● Publishing at least one paper per year in a journal. ● Striving to publish a paper in a reputable journal. ● Attending educational conferences and seminars. ● Increasing net connection with educational researchers.

center on following activities:	
My current objective for this year is to complete the doctoral degree successfully.	• Completing the Summer courses successfully. • Complete all requirements for my dissertation work. • Applying the mixed method in my research in the best possible way. • Sharpen my skills in descriptive and inferential statistics. • Collecting and analyzing data in both methods (quantitative and qualitative research design) effectively.

Specific plans to meet these objectives, which should include	
a. A professional reading plan	
The professional reading plan - expanding knowledge in mathematics will center on following activities.	• Analyzing examples from Algebra book Envision. • Analyzing different abstract and concrete (examples related to my professional interest) examples from various mathematical books. • Visiting youtube channels related to mathematical olympiad challenging examples. • Visiting various websites containing high school mathematical content. • Reading the mathematical magazine, Teaching and Learning - NCTM. • Analyzing interesting math examples in Math group - Facebook.
The professional reading plan - expanding knowledge in conducting research in learning and teaching topics will center on following activities.	• Reading scholar articles related to learning and teaching in education. • Reading articles on computational thinking from google scholar website. • Reading articles on application of technological tools in mathematics. • Reading on creativity articles in education. • Reading free articles on Eric.gov papers and some articles in reputable journals such as Springer are free articles. • Semantic articles are free and affordable to read.

Reading articles and practicing excel for statistics to complete the doctor degree will center on following activities.	● Reading articles related to the relationship of mathematics and STEM. ● Reading scholarly articles about the real world examples in the STEM. ● Reading articles related to application of sequential exploratory mixed methods in conducting research. ● Practicing with excel - applying ANOVA test with multiple independent variables (analyzing likert scale answers) - reading the data properly. ● Practicing with the excel on descriptive statistics - reading the data properly.
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Specific plans to meet these objectives, which should include

b. A list of seminars attended and evaluated. A minimum of three are required, all of which should be related to educational technology leadership.

I have attended several Fall and Spring webinars at NJCU Educational Technology Department Fall/Spring Webinar Series.	● Two Looks at Educational Technology During the Pandemic, November 16, 2021. NJCU Educational Technology Department Fall Webinar Series ● Spark Student Engagement with Digitally Enhanced Tools November 23, 2021. NJCU Educational Technology Department Fall Webinar Series ● Coaching Teachers to Integrate Technology for English Language Learners, December 2, 2021. NJCU Educational Technology Department Fall Webinar Series ● Aligning Learning Goals with Ideal Blended Learning Models, December 6, 2021. NJCU Educational Technology Department Fall Webinar Series. ● Student Empowerment Through Digital Storytelling, December 9, 2021. NJCU Educational Technology Department Fall Webinar Series. ● Designing Professional Development using Microlearning, Feb 9, 2023. NJCU Educational Technology Department Spring Webinar Series.
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	● Student-Centered Technology to Enhance Learning Environments, Feb 2, 2023. NJCU Educational Technology Department Spring Webinar Series. ● Video Creation for Young Learners, Feb 9, 2023. NJCU Educational Technology Department Spring Webinar Series.
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Specific plans to meet these objectives, which should include

c. A continued plan of study (e.g., courses for credit, conferences, etc.)

I have participated in several conferences; three conferences in UBT university in Kosovo, a Conference in Italy, another conference in Canada, and in Montclair University.	● Think-Pair-Share: Teaching Strategy Unravels Uncertainty" (2020). <i>UBT International Conference</i>. 197. ● Interrelation of Mathematics within the STEM" (2021). <i>UBT International Conference</i>. 501. ● Informal Learning-Watching Educational Youtube Videos (2022). <i>UBT International Conference</i> 503. ● Explore a Real Cartoon Example, The 4th World Congress on Inspired Education (WCIE 2021) ● Optimal Homework Elevates High School Learning Outcomes. Canada International Conference in Education (CICE - 2022). ● Teaching Mathematics with and without Technology Rationally in High School. Statewide Educational Technology Conference (2032). ● Convergent Teaching. Ed Tech Doctoral Student Winter Webinar Series - 6, NJCU.
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Specific plans to meet these objectives, which should include

d. A list of creative, holistic, and renewing activities planned

- Participating in professional development and webinars on mathematical content.

- Participating in professional development and webinars on learning and teaching in educational content.
- Participating in conferences or webinars to present topics related to mathematics and the STEM field.
- Participating in conferences or webinars to present topics related to creativity and mathematics.
- Participating in conferences or webinars to present topics related to integrating technological tools in mathematics.

Specific plans to meet these objectives, which should include

e. Other professional growth activities that will enhance your development as an effective leader in an interdependent world

I have published several articles in different journals and websites; some of them are not reputable and some of them are relatively reputable.

- Repetition Diminishes Curve of Forgetting, grin.com
- Reflection on Brouwer's Fixed Point Theorem
- Creativity in Modern Education
- How Expanding Entire Knowledge Influences on Incrementing Individual Knowledge
- Keeping Students' Attention Active
- Think – Pair – Share: Teaching Strategy Unravels Uncertainty
- Explore a real Cartoon Example
- Combining Teaching Strategies, Learning Strategies, and Elements of Super Learning Principles

References:

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