



Teaching Practicum in High School Introductory Physics at Worcester Technical High School

An Interactive Qualifying Project
submitted to the Faculty of
WORCESTER POLYTECHNIC INSTITUTE
in partial fulfillment of the requirements for the
degree of Bachelor of Science in Electrical and Computer Engineering

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Student Teaching Practicum in High School Introductory Physics at Worcester Technical High School Digital-Portfolio

Advisors: Tefta Giaya, Worcester Technical High School & Roxanne Doonahue, WPI

ABSTRACT

During my semester-long teaching practicum at Worcester Technical High School in Worcester, MA, I collaborated with Tefta Giaya in High School Introductory Physics. This immersive experience honed my pedagogical skills, priming me for licensure as a High School science educator in Massachusetts. Guided by the Comprehensive Assessment of Practices (CAP) framework, I meticulously addressed the seven foundational elements: Subject Matter Knowledge, Structured Units and Lessons, Adjustments to Practice, Meeting Diverse Needs, Safe Learning Environment, High Expectations, and Reflective Practice. Central to my approach is the cultivation of students' social and emotional well-being through tailored classroom interactions. For a detailed account of my practicum journey, delve into my Eportfolio via the QR code provided.



Link: <https://sites.google.com/view/genebereportfolio/abstract>

OUTLINE of ePortfolio

1. Introduction

a. About Me

- Teaching Philosophy
- Positionality Statement

b. My WPI education

- WPI courses
- Pre-Practicum experiences
- Other teaching-related experiences (e.g., Noyce internships)

2. Ed Policies

3. School overview

4. CAP elements

5. My Practicum

a. Courses Taught

b. CRT

6. Instructional materials