

Katie H. Dunn

MIXED METHODS RESEARCHER · STEM EDUCATOR

☎ (310) 425-6661 | ✉ katiehdunn@gmail.com | 📍 Flexible

Education

High Meadows Graduate School, in collaboration with MIT

M. Ed. | TEACHING LICENSE IN ALL STEM FIELDS + ENGLISH IMMERSION ENDORSEMENT

Cambridge, MA

June 2020

Massachusetts Institute of Technology

B.S. IN PHYSICS | MINOR IN EARTH, ATMOSPHERIC, AND PLANETARY SCIENCES

Cambridge, MA

June 2018

Experience

Center for Curriculum Redesign

PROJECT MANAGER AND EDUCATION RESEARCHER

Remote

2019 - present

- Coauthored *Education for the Age of Artificial Intelligence* (forthcoming, 2024)
- Managed a research team of four and software team of three, managing budgets, workflows, and deadlines
- Designed A/B studies and conducted pilots in multiple districts on intervention efficacy and validity of assessments
- Compiled data and synthesized literature reviews into whitepaper for funders, grants, and internal documentation
- Created and maintained SQL databases of over 1,000 research findings on learning competencies and skills
- Revised Open edX curricula addressing topics such as game theory, collaboration, cleantech, and critical thinking
- Ran professional development sessions for partner schools and Teacher of the Year cohorts

The Chicago Public Education Fund

EDUCATOR SUPPORTS FELLOW

Chicago, IL

2023

- Conducted longitudinal analysis on past programming to identify gaps and quantify impact for board members
- Developed demographic dashboards for professional development recruitment, reaching 294 principals (+17%) in CPS
- Designed new survey metrics with proposed theory of action to inform future implementation

Walter Payton College Preparatory

TEACHER OF BIOTECHNOLOGY + BIOLOGY AT #1 PUBLIC HIGH SCHOOL IN IL

Chicago, IL

2023

- Redesigned existing curricula with full autonomy, focusing on cross-course cohesion and inquiry-based research projects

Boston Latin School

TEACHER OF AP ENV. SCIENCE, CHEMISTRY, PHYSICS, ALGEBRA II AT #1 PUBLIC HIGH SCHOOL IN MA

Boston, MA

2019 - 2022

- Awarded Teacher of the Year in 2022
- Modernized department-wide curricula for virtual & hybrid learning
- Led professional development in EdTech to support teachers through COVID
- Supported at-risk students in summer school as an advisor, tutor, and instructor

Massachusetts Institute of Technology

RESEARCH ASSISTANT

Cambridge, MA

2014-2017

- Conducted observations at Lowell Observatory; scraped and analyzed all-sky survey data to research Kuiper Belt objects
- Scheduled and ran linguistics experiments; scripted cleaning & analysis of voice-onset timing data for publication (2016) 📄

Volunteer

Logistics lead for MIT Mystery Hunt, organizing 60 volunteers producing an on-site 3-day event for 4,000 participants

2022 - 2023

Instructor for ESP, designing and teaching modules on linguistics, astronomy, and physics for middle school students

2018 - 2022

Instructor and logistics for SPARC, running a program about applied rationality for high-achieving high school students

2018, 2021

Skills

Technical </> web scraping, data cleaning and analysis (python, SQL, Excel) · survey design (Qualtrics) · Figma, Tableau, Airtable

Languages A basic proficiency in Spanish, German, Mandarin