

hwaak7@gmail.com

Heather K. Cameron

Education

University of Illinois at Chicago:

Master of Education in Instructional Leadership, Elementary Option

January 2005

University of Illinois at Urbana-Champaign

Bachelor of Science with Honors in Consumer and Textile Marketing

January 1999

Certification:

Indiana Professional Educator License #0227198

- K-6 Elementary Generalist
- 5-9 General Science and Social Studies
- 5-12 Technology Education #10239566

Illinois Professional Educator License #2230524

- K-8 certification with Middle School Endorsements in General Science, Self-Contained General Science, & Social Science

PLTW programs:

Introduction to Engineering Design

Civil Engineering and Architecture

Teaching Experience

STEAM Teacher

Crestview Elementary, Indianapolis, IN

2020-current

- Develops curriculum and teaches 24 sections of STEAM for grades 1-6
- Collaborates with elementary teachers, district personnel and other related arts teachers to create relevant curriculum in line with both general elementary and technology state standards

Temporary PLTW Pre-Engineering Teacher

McKenzie Center for Innovation and Technology, Indianapolis, IN

2019-2020

- Plans and teaches PLTW Civil Engineering & Architecture and Introduction to Engineering Design classes.
- Serves as teacher sponsor of the ACE (Architecture, Construction & Engineering) Mentoring Program for MCIT, which includes coordinating, organizing, attending, and assisting with monthly meetings and field trips
- Chaperones multiple field trips for girls in engineering

STEAM Specialist & Makerspace Coordinator:

Franklin STEAM Academy, Champaign, IL

2018-2019

- Collaborated with teachers, students, and administration to maintain the most functional makerspace for school needs, including scheduling, organizing supplies, and co-teaching

- Developed, directed, and administered a 6th grade Makerspace STEAM program
- Trained teachers and staff on the intricacies of Makerspace technologies as well as classroom management and organization of STEAM-based lessons
- Collaborated with teachers to create interdisciplinary lessons and units with a STEAM focus that fit seamlessly into the prescribed subject
- Served as a consultant for both teachers and students to create products that best showed student learning
- Coordinated additional student learning by bringing in University of Illinois student engineering groups, planning weekend field trips to STEM related events, pulling in volunteers from all fields to work with students, and hosting clubs based on coding and web design

STEM Specialist:

Franklin STEAM Academy, Champaign, IL

2014-2018

- Collaborated with district administration and teachers to design the STEM program for Unit 4 District middle schools
- Developed and implemented research-based instructional strategies and all performance assessments for 6th, 7th, and 8th grade STEAM classes
- Partnered with Wolfram Engineering to create coding and computational knowledge curricula across all grade levels
- Partnered with the district grant writer to write the budget for a multi-million dollar grant from the DOE
- Mentored, observed, modeled for, and conferenced with one or more student observers from the University of Illinois each semester

Science Teacher:

North Bethesda Middle School, Bethesda, MD

2007-2013

- Planned and instructed five 7th grade classes (8/11-6/13), including life biology, human body systems, genetics, and forensic science
- Planned and instructed five 6th grade classes (8/06-7/11), including physics, biodiversity, global warming, environmental science, and energy and magnetism
- Founded and co-coached Maryland State Champion Science Olympiad teams that went to nationals three times in four years
- Team-taught with a special education teacher at least one section of science yearly

Science Teacher:

Mark Twain Middle School, Alexandria, VA

2006-2007

- Planned and instructed two 7th grade honors/gifted classes
- Planned and instructed three 8th grade general education classes, two of which were team-taught with special education team teacher
- Organized and conducted watershed field trip for 50 students

Science Teacher:

Beach Park Middle School, Beach Park, IL

2005-2006

- Developed a comprehensive 7th grade curriculum without textbooks that culminated in time for state testing in April
- Collaborated regularly with language arts, math, and social science teachers to create integrated and engaging curriculum

Activities, Accomplishments, & Skills

Collaborated to earn Grants:

- Franklin STEAM Academy, multi million dollar grant from DOE 2017
- UIUC Project MAPLE - \$10,000 NSF grant 2017
- Unit 4 STEM \$10,000 grant from Monsanto Engineering 2015
- Researched, designed, and sewed period costumes for \$95,000 history grant 2006

Professional Development:

- TinkerCAD Webinar: Interdisciplinary uses of tinkerCAD in PBL classroom 2022
- PLTW Introduction to Engineering certification 2020
- PLTW Civil Engineering & Architecture PDP 2019-2020
- CTE Conference 2019
- STEAM Magnet Steering Committee 2018 & 2019
- ISTE and IETC Conferences 2018 & 2019
- Representative on Staff Development Committee 2017-19
- IETC- workshop Impactful Professional Development: Strategies to Lead and Empower 2017
- Japanese water art at the FabLab- use of water surface tension to make art 2017
- Attended Unit 4 Social justice seminar 2017
- Presenter at CU4Tech Conference: "PowToons, Not Powerpoint" 2015
- Attended AVID (Advancement Via Individual Determination) conference 2007
- PLTW Civil Engineering and Architecture PDP 2019-2020
- PLTW Introduction to Engineering Design Certification 2020

Technology proficiencies:

- Autodesk:
 - Inventor
 - Revit
 - tinkerCAD
 - Fusion 360
 - Illustrator
- Google Suite and Microsoft applications
- Promethean, SMART Board, View Sonic and tablet technologies
- Canvas, Skyward, JumpRope, TAC, Blackboard and Edline
- 3D printing software- Grab CAD, Cura, Sketchup, Slic3R
- 3D printers use and repair- Lulzbot, Dremel and Flash Forge

Hobbies and skills:

- Figure skating

- Dance (tap, jazz, ballet)
- Sewing, fashion design, costuming
- Singing- studied classical voice
- Cooking