JEFFREY M. WATSON

jwmathteacher@gmail.com

PROFESSIONAL SUMMARY

Resourceful, positive, enthusiastic teaching professional. Highly effective communicator with students, colleagues and administrators. Dynamic, interactive teaching style. Successful with student-centered learning. Eager to collaborate with peers. Value integrating past experience in industry. Proven leadership and facilitation skills.

PUBLICATIONS & PRESENTATIONS

Watson, Jeffrey & Winn, Roger. "Cultivating a Culture of Thinking." Creative Teaching & Learning 8.2 (2018):30-36. Print.

Watson, Jeffrey & Winn, Roger. "Transferring Ownership of Learning." Creative Teaching & Learning 8.4 (2018):8-14. Print.

Blog: https://www.jeff-watson-critical-math-thinking.com/mathematics-teaching-blog

Presenter on "Student-centered learning in the classroom" at IB Global Conference in New Orleans, LA, IBSOM Conference in Utica, MI, and FLIBS Conference in St. Pete Beach, FL

EDUCATIONAL BACKGROUND & CREDENTIALS

Project Zero Summer Institute - Cambridge, MA (July, 2017)
Cultures of Thinking (CoT) facilitators team member (August, 2017 - June, 2018)
Master of Science in Software Engineering (2009) - UNIVERSITY OF MICHIGAN
Bachelor of Science in Mathematics (1995) - UNIVERSITY OF MICHIGAN

Awards
Recipient of **G.E. Foundation Institute of International Education (IIE)** grant
Outstanding High School Educator Award UNIVERSITY OF CHICAGO, Chicago, IL

TEACHING EXPERIENCE

HARVARD UNIVERSITY – Cambridge, MA   **02/2018 - Present**
Instructional coach, Cultures of Thinking online course

- Responsible for supporting and encouraging elementary, middle, and high school teachers on three learning teams through a 12 week course
- Facilitator for bi-monthly learning sessions for IA East teachers
- Helping team members successfully leverage the cultural forces in their classrooms and schools
- Providing bi-weekly summaries of group successes and challenges to the other instructional coaches and the course instructor

UNIVERSITY LIGGETT SCHOOL - Grosse Pointe Woods, MI   **9/2022 - Present**
Teacher, Upper School - Mathematics

- Leading the implementation of the Integrated Math curriculum in the Upper School
- Utilizing the Cultures of Thinking framework to maximize student-centered learning

BLOOMFIELD HILLS PUBLIC SCHOOLS – Bloomfield Hills, MI   **8/2008 - 08/2022**
Teacher, International Academy East - Mathematics / Computer Programming
- Math department chair responsible for coordinating the department at three separate campuses
- Implemented a student-centered, collaborative environment in IB math classroom, using several frameworks
- Member of Cultures of Thinking (CoT) facilitators team at Oakland schools during 2017-18 school year
- Hosted educator team from Mandela International Magnet School in Santa Fe in September 2018
- Consistently worked with Math department at IA East, IA Central, and IA West to focus classrooms on thinking, inquiry, and less on lecture and linear thought
- Met with Troy Athens math department to discuss pedagogical strategies and ideas to bring in to their classrooms

BLOOMFIELD HILLS PUBLIC SCHOOLS – Bloomfield Hills, MI   **8/2007 – 8/2008**
Teacher, East Hills Middle School - Computer Programming & Computer Applications.
- Collaborated with middle school teachers to align computer projects with middle school curriculum.
- Member of technology team that provided technical support to all staff members

PLYMOUTH-CANTON COMMUNITY SCHOOLS – Plymouth, MI   **8/1996 – 8/1999**
Teacher, Mathematics & Computer Programming
- Member of the Park City Math Institute – a math teacher institute specializing in refining and analyzing classroom practice and instruction. Collaborated with math teachers from all over the country to reflect on and implement creative and student-centered math lessons.

FORD MOTOR COMPANY – Dearborn, MI   **1/1992 – 12/1995**
Instructor
- Led the University of Michigan / Ford Motor Company BSMEE tutoring program
- Designed and presented interactive seminars for Ford employees on Calculus I, Calculus II, Calculus III, and Differential Equations.

TECHNICAL EXPERIENCE

GENERAL DYNAMICS LAND SYSTEMS – Sterling Heights, MI   **6/1999-1/2000, 12/2001 – 8/2007**
Software Engineer
- Implemented software components for various military systems from written documents into well documented designs. Collaborated with engineers during all phases of each project. Supported and encouraged software engineers on best practices, thereby facilitating software quality.

PYRAMID SOLUTIONS, INC. – Troy, MI   **1/2000 – 12/2001**
Software Engineer
- Collaborated with development team members on various software projects. Provided expertise and technical guidance to Software Engineers. Recognized for outstanding contributions; promoted on 2 occasions for consistently completing project deliverables within time and budget constraints.