

# Mark Karadimos

## Education

Master's Degree: Math Education [2020]

Master's Degree: Instructional Design for Online Learning [2006]

Master's Degree: Leadership and Administration [2001]

Bachelor's Degree: Mathematics (Physics minor) [1991]

## Experience

### TEACHING

**Mathematics Teacher** [retired 2025] [31 years]

- Integrated MATHguide.com within my classes, at all levels, so that students can learn mathematics through learner-orientated, non-synchronous methodologies.
- Embedded hands-on activities to foster discovery approaches and assisted constructivism to learning within the geometry curriculum.
- Heavily utilized the graphing calculator to assist student learning.
- Prepared students for standardized tests via classroom openers, higher order thinking problems, and skill-building assignments.
- Assisted in the development of a hands-on algebra course that did not rely solely on symbolic manipulation and integrated the use of graphing calculators.
- Participated in the development of a student teacher by providing substantive guidance regarding lesson planning, reaching behavior objectives, relating to high school students, and delivering constructive criticism that will follow the student teacher through a self-directed, metacognitive mindset.
- Utilized knowledge of the physical sciences to provide real world applications to mathematics.
- Worked with fellow teachers in department-wide and interdisciplinary fashions.
- Functioned as a growth-centered member of a Council Teachers Union and helped negotiate a contract.
- Instructed night school math courses for "last chance" students.
- Tutored homebound students.

- Attended meetings for professional development which included strategies for teaching gifted students, using the Internet to find sources for concrete data, adopting textbooks, studying the research on inter-disciplinary learning teams and listening to fellow educators from across Illinois at an ICTM meeting.

### **Specialty in Technology Support Structures**

Created a website, called **MATHguide** [<http://www.mathguide.com>], which is a mathematics education site.

- Learned HTML & Perl computer languages.
- Constructed online lessons and a bulletin board to assist students within an asynchronous environment.
- Built dynamic quizmasters that provide random problems and check students' solutions.
- Developed specialty quizmasters that check several key steps of student work.
- Produced hundreds of math education videos on YouTube.

## **Leadership**

### **ASSISTANT PRINCIPAL [1 year]**

- Evaluated non-tenured and tenured teachers at the high school level.
- Instilled a collaborative learning environment to assist teachers in becoming effective educators.
- Led staffings that dealt with the appropriate legal placement of special education students within their least restrictive environments.
- Worked with a variety of school personnel to find win-win solutions.

**DEAN OF STUDENTS [2 years]**

- Problem solved student situations at the high school level to create positive learning environments while helping students to understand the connection between behaviors and consequences.
- Assisted and led a school improvement team that identified and assisted poorly performing and extra needs students. The team constituted a dean, three counselors, a social worker, and a psychologist.
- Helped manage the operations of the Dean's Advisory Committee by assisting and leading it as it handled situational and organizational discipline issues. Earlier involvement dealt with communication of issues and solutions to and from staff.
- Received training on using critical data indicators for evaluating and affecting improvement in high schools.
- Learned how to use Professional Learning Communities to create collaborative, interdependent, outcome-based teams of teachers in order to make substantive improvements within schools.

**DIRECTOR OF INSTRUCTIONAL ASSESSMENT [2 years]**

- Coordinated with assistant principals across the district and teachers within the building.
- Prepared, scored, compiled, and reported information to principals and the superintendent.
- Helped streamline the district to implement a barcode system.

**General Leadership [8 years]**

- Worked on the Negotiations Subcommittee of the Executive Board and as the Treasurer for teachers.
- Assisted by reviewing profiles of students to determine which students get presented with a Student of the Month award before the Board of Education.
- Preserved teacher autonomy within the Academic Freedom Committee.
- Solved problems with a diverse cross-section of faculty and administration over four years on a School Improvement Planning Committee as an elected representative of the math department and served as co-chair of the committee.
- Collaborated with colleagues as an elected member of the Educational Council and strived for necessary schoolwide restructuring solutions for over several years both as a mathematics and a union representative. Special Recognition
- Honored for teaching excellence by a former student and entered in the 1998-99 and 1999-2000 editions. Professional Affiliations National Council for the Teachers of Mathematics

## References

Upon Request