

PICMath Blog Post

VIDEOS: PIC Math Program Shows How Math Unlocks Opportunities Beyond the Classroom

From creating cutting-edge manufacturing materials, to clarifying the logistics of nuclear waste storage, to improving business marketing strategies, to enhancing realism in CGI movie animation – the real-world applications of math are all around us. Developing a strong skillset in the mathematical sciences isn't simply a good idea for a student's future, it can actually help solve major real-world problems. And - understanding how math is used to solve practical problems can lead to a better career for students.

[Preparation for Industrial Careers in Mathematical Sciences – or PIC Math](#) – is a program designed to get mathematical sciences students and faculty working on real-world applied math problems and to get students ready for a future where they can put those skills to good use.

Visit PICMath.org and watch short case study videos to see how industry professionals are innovatively applying their mathematical knowledge in their careers. Find out how Dr. Jonathan Adler Nolis [leveraged his mathematics expertise into a consulting career](#); how Dr. Genetha Gray is [using her skills in applied research on nuclear waste storage](#); how Dr. Sumanth Swaminathan is [applying his mathematics knowledge to protect people and the environment](#); and how Dr. Alex McAdams [uses math to move and manage Disney animated characters in a realistic way](#).

PIC Math's comprehensive program includes a summer training workshop for new faculty, a spring semester credit-bearing research course for faculty and students, a student competition, and an annual conference. Travel reimbursements are available to new faculty for the workshop and conference, while a stipend is available for the research course.

[Learn more](#) about the PIC Math program and [watch the videos now](#).