



UC Davis Explore Math offers programs for high school students throughout the year.

Fall: Math Modeling Experience

Winter: Math Circle

Spring: ARML team

Applications are now available for the Math Modeling Experience. Apply now, space is filling fast!

Get an application at <http://explore.math.ucdavis.edu>

Program Description:

Form a Math Modeling team with your friends! (3 or 4 students per team)

Each week, you'll come to the brand new Mathematical Sciences Building at the UC Davis campus to apply your creative problem-solving skills to real-world scenarios. This year, we'll work on problems like "what causes tsunamis?" "can we find a sustainable energy source?" and "how does our brain tell us when to breathe?"

Students who haven't previously done any math activities, or taken advanced math classes, are encouraged to join the MME, along with more advanced math students. Whatever math you bring with you to the MME, you're guaranteed to learn something new, and to make an important contribution to your team. Besides math knowledge, successful teams have strengths in writing, designing diagrams, and teamwork.

The UC Davis Math Modeling Experience is led by mathematicians who want students to enjoy math and see its connections to the real world. Each week in the MME, you'll also interact with top math majors. Math researchers will occasionally make a guest appearance, to tell you about their latest innovations. UC Davis computing facilities will also be available to you, and you'll pick up some computer programming skills (or build on what you already know!).

After seven weeks of practice, your team will be ready to take on the national High School Mathematical Contest in Modeling (HiMCM), a 36-hour non-stop problem-solving marathon! In the past two years, MME teams have won top honors in California (high school level) and in the nation (high school level and college level)!

Is your team our next winner?

Workshop dates: Saturdays 9/30-11/11, 10AM-12PM. Competition 11/18-11/19.

Registration cost: none

Application required. Applications available online at <http://explore.math.ucdavis.edu>

Questions? Contact us at (530) 752-0827 or mme@math.ucdavis.edu