

1056-M1-1141 **W. Ted Mahavier*** (wtm@mathnerds.com), 155 Manor, Beaumont, TX 77706, and **Valerio De Angelis** and **Kyehong Kang**. *MathNerds and Webwork: a free, supervised tutoring system for online homework*. Preliminary report.

MathNerds Mentoring Networks are free on-line learning communities consisting of university students (math majors, math club members), a university professor (a mathematics educator, mathematician, or math club advisor), a school district teacher, and that school teacher's class. The networks route questions from the school district students to the university students, providing free support to the school district while giving the university students an opportunity to strengthen their communication and mathematical skills. For mathematics clubs, networks may serve as a community service. For mathematics education classes, networks may expose future teachers to the types of questions that their students may be expected to ask. Recently, MathNerds has partnered with WebWork to create networks supporting classes using WebWork's on-line homework system wherein questions about Webwork homework problems are routed to math tutors at a University Math Lab, with MathNerds volunteers monitoring the tutors' answers. (Received September 21, 2009)