



<http://tle.brookscole.com>

TLEader:

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School:

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About Edison State Community College:

Edison State Community College serves students in central Ohio in Darke, Miami, and Shelby counties. Edison State CC has two campuses, in Piqua and Greeneville. Each campus offers adult and traditional students a wide range of courses and activities, providing a rich and varied campus life. The college offers more than 30 two-year Associate's degrees and a variety of professional certificates.

Edison's Dedication to Educational Excellence Leads to a Commitment to TLE

The Mathematics Department at Edison Community College are uncompromising in their desire to provide their students access to the most innovative methods for learning developmental math. In 2001, the American Mathematics Association of Two Year Colleges (AMATYC) recognized this effort when the department was named as one of the top ten community college mathematics programs in the United States and Canada. Edison's mathematics program was named "exemplary" because of their commitment to piloting new technologies, continual instructor training and dedication to assessing their own performance as educators.

The spirit of innovation led Edison to investigate early versions of The Learning Equation (TLE), and to play a vital role in the development of the TLE programs. Edison has used TLE in their learning labs for developmental students since the fall of 2000. Dr. Jesse Parete, Professor of Mathematics, has been an active user of the product, giving Brooks/Cole continual feedback to improve TLE.

Dr. Parete also surveys his students every semester to make sure that TLE is serving their needs. His student survey focuses on students' attitudes towards math, instead of simply asking them to rate the product and the course. The survey records students' confidence levels, which directly relates to the success of TLE in teaching not only rote skills, but also conceptual understanding that increases students' belief in their own abilities.

The student survey was given in the fall of 2003 to all students using TLE, some of whom had successfully completed four TLE modules in Basic Math, Prealgebra, Elementary Algebra and Intermediate Algebra. Of the students surveyed after taking their first TLE module, 88% responded positively to the statement, "I believe I can learn math." By the fourth TLE module, 100% of students agreed with the same statement. Similarly, only 58% of students agreed or strongly agreed with the statement, "Generally speaking, I understand math," after their first TLE module. By the fourth TLE module, this number had risen to 83.3%.

The motto of Edison's Mathematics Department notes that mastering mathematics is "the formula for the future." The attitude surveys conducted at Edison show that using TLE not only prepares students for the next course in the mathematics sequence, but gives students something more meaningful: math confidence that sets the stage for future successes.