



# QUALITY ENHANCEMENT PLAN

## (Mind Over Math)

### J. F. DRAKE STATE COMMUNITY AND TECHNICAL COLLEGE

J. F. Drake State Community and Technical College (Drake State) selected developmental mathematics as its Quality Enhancement Plan (QEP) topic. The College selected this topic after analyzing institutional data and gathering input from faculty, staff, students and the community.

Mind Over Math includes two components: the math emporium model and growth mindset. The math emporium model utilizes self-paced modules allowing students to move through mastered concepts, spending additional time on more challenging areas. Growth mindset strategies provide students with an alternative way of viewing their own math skill, moving from a fixed mindset to a growth mindset.

The purpose of Mind Over Math is to improve student competency of basic mathematical skills and to improve students' perception of math. In order to achieve this purpose, five goals were developed for the QEP.

**Goal 1:** To improve basic numerical skills

**Goal 2:** To change the way math is perceived

**Goal 3:** To increase persistence of students participating in developmental mathematics courses

**Goal 4:** To increase retention of students participating in developmental mathematics courses

**Goal 5:** To demonstrate a shift toward growth mindset from fixed mindset within the College community

To achieve these goals, the College has developed a plan utilizing a combination of self-paced, computer-based modules via MyMathLab, dedicated math labs, tutoring, and growth mindset strategies to reframe all developmental math courses. Students have an opportunity to complete multiple developmental math courses in one semester, allowing them to enter college level math courses sooner. It is anticipated that this model will assist in retention and completion.

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