

iMath – Afterschool Math Enrichment for Lansing Students

iMath by the Numbers 2013-14

Locations

3

- Sheridan Road Elementary
- Lewton Elementary
- Pattengill Middle School
(newly added in 2014)

Students served

95

- 37 students at Lewton
- 30 students at Sheridan Road
- 28 students at Pattengill

Percent showing increased proficiency

45

Percent of iMath students increased by at least one math proficiency level.

About ITEC

A Lansing-based non-profit organization, the Information Technology Empowerment Center works with students and families in the Capital Region to build excitement for coursework and careers in science, technology, engineering and math.

Program Summary

iMath is an afterschool tutoring program offered by ITEC in the Lansing School District's upper elementary schools that serve fourth, fifth, and sixth grade students. iMath uses in-person tutoring coupled with SuccessMaker, a web-based, adaptive tool, to help students learn and practice math concepts.

Students attend iMath twice a week after school for one hour each session, completing two 20-minute periods of intensive math exercises with a 15-minute snack break. ITEC's college-educated tutors are assigned to a group of 5 or 6 students whom they guide in the use of SuccessMaker, explaining and demonstrating math concepts using paper and digital resources to facilitate understanding.

iMath tailors the skill level of content presented to each student based on their scores during an initial placement period, providing step-by-step, individualized instruction. Engagement and skills mastery are tracked throughout the program, and key metrics on student progress are reported to school administration and classroom instructors on a monthly basis.



Program History

In November of 2012, ITEC introduced iMath in two Lansing upper elementary schools, Lewton and Sheridan Road Elementary. ITEC expanded to Pattengill Middle School, in addition to the two original schools, for the 2013-2014 school year. The Lansing School District supported the programs by providing computer labs, classroom support and snacks for students.

The iMath Difference

iMath is offered at no cost to students. Transportation home is provided for all students participating in the program.

“iMath made a dramatic difference in the math proficiency of our students. Just as importantly, it positively impacted their interest and confidence in doing math. Our teachers saw a noticeable difference in how students approached their math schoolwork in the classroom. Students who weren’t participating in the program also noticed the difference in their peers and asked to join iMath.”

Jessica Benavides, Principal,
Sheridan Road Elementary

For more information
contact, Alexander Jones,
iMath Program Coordinator
at 517-708-4394
or email
iMath@iteclansing.org

Program Results

Student Performance

Students in iMath had an average percentage mastery of 93.9% of the skills presented to them during the course of the program, solving problems at the target pace of 50-60 questions per hour. Students with consistent attendance gained an average of one grade level, significantly more than anticipated in a population mainly below grade level.

Student Attitudes

I TEC works to impact student attitudes toward math learning. In 2013-2014, iMath students showed significant increases in confidence in their math abilities and willingness to ask questions.

