

# iMath – Afterschool Math Enrichment for Lansing Students

## iMath by the Numbers 2015-16

### Locations

**5**

- Lewton Magnet School
- North School
- Pattengill Middle Years
- Wexford Montessori Academy
- Mt Hope STEAM

### Students served

**207**

- 76 students at Lewton
- 25 students at North
- 22 students at Pattengill
- 64 students Wexford
- 20 students at Mt Hope

### Projected proficiency increase

**1.0**

projected grade level increase  
for students completing at least  
35 hours of iMath.

### About ITEC

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

## Program Summary

iMath is a tutoring program offered by ITEC in the Lansing School District's upper elementary schools that serve fourth, fifth, sixth, seventh and eighth 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 25-minute periods of intensive math exercises with a 15-minute snack break. ITEC tutors, mainly college students, are assigned to a group of five to ten students whom they guide in the use of SuccessMaker, explaining and demonstrating math concepts using paper and web resources to facilitate understanding.

iMath tailors the level of content presented to students 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 late November of 2012, ITEC introduced iMath in two Lansing upper elementary schools, Lewton and Sheridan Road STEM. ITEC expanded to Pattengill Middle Years, in addition to the two original schools, in the 2013-2014 school year. For the 2014-2015 school year, Wexford Montessori Academy and Mt Hope STEAM also began offering iMath. In 2016, iMath was extended to another location, North School. The Lansing School District supports 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 available to all students participating in the program.

*“The iMath program, through ITEC, has helped to change the math environment at Lewton Elementary School. It is a wonderful design with the use of tutors and computers that come together and create interest and motivation in children. iMath is a program that works.”*

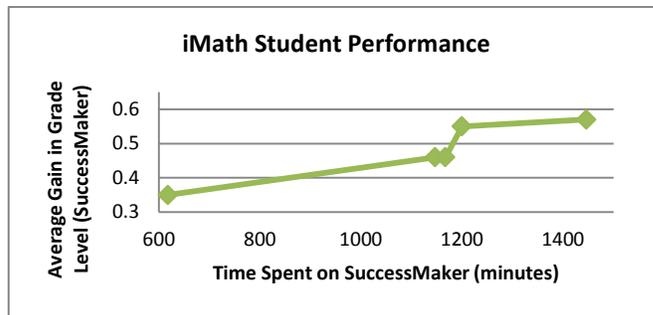
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## Program Results

### Student Performance

Students in iMath have an average percentage mastery of 93.85% of the skills presented to them during the course of the program, and are solving 53 problems, which within the target pace of 50-60 questions per hour. Not surprisingly, the more time a student spends on SuccessMaker, the greater their gain. On average, students who spent more than 35 hours on SuccessMaker demonstrated a full grade level gain.



### Student Attitudes

ITEC works to impact student attitudes toward math learning. Before taking iMath, 26.7% of students reported that they were definitely embarrassed to ask questions in their math class. After iMath, 17.7% of the students reported this. Similarly, 25.5% of students said they needed help with their homework before iMath. After completing the course, this number decreased to 16.7%

