Everyday Mathematics® Success Stories

Pike Township Schools Participate in Indiana Mathematics Initiative Pilot

The Metropolitan School District (MSD) of Pike Township serves an urban community located in the northwest corner of the greater Indianapolis area. The district has grown to an enrollment of approximately 10,000 students in 9 elementary schools, 3 middle schools and 1 high school.

Pike Township schools serve a multi-ethnic student population that is 57% African-American, 25% Caucasian and 4% Hispanic-American. The district also has more than 400 international students who speak 34 languages in their homes. The community of Pike Township is predominantly middle-class, and 35% of district students qualify for the free or reduced-price lunch program.

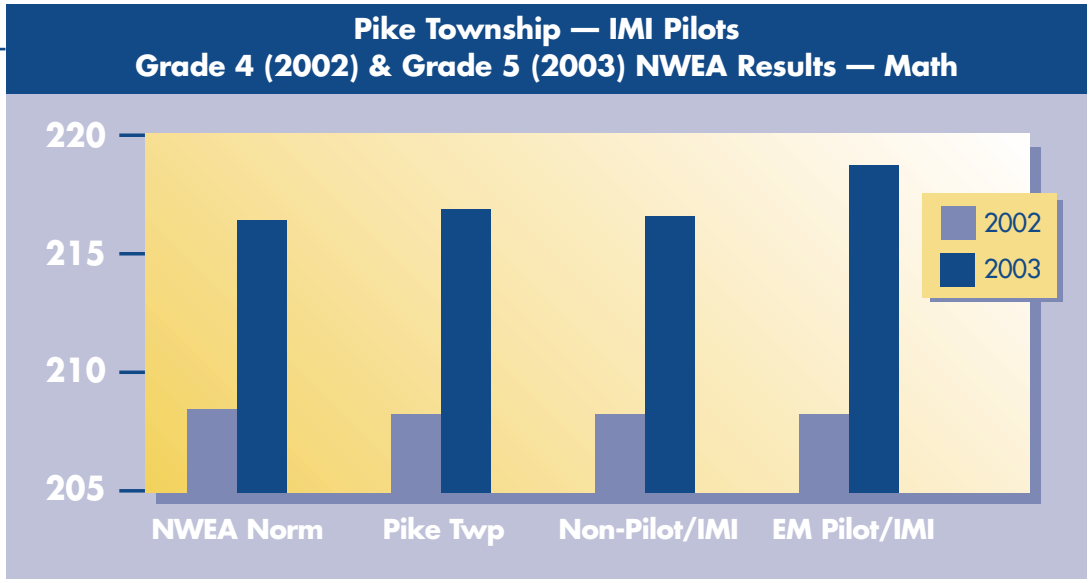
Throughout Indiana, the Metropolitan School District of Pike Township is recognized as an education leader for its high academic standards, innovative educational programs, state-of-the-art facilities, strong parental and community partnerships and acclaimed educators.

Indiana Mathematics Initiative

Pike Township is a member of the Indiana Mathematics Initiative (IMI), a consortium of nine urban schools districts in the state. The twin goals of the IMI project are to assist IMI districts' implementation of reform mathematics curricula based on the Principles and Standards of the National Council of Teachers of Mathematics (NCTM) and the Indiana Proficiencies, and to provide teachers in these districts with professional development to use these materials effectively.

In the mid-1990s, the IMI began a partnership with the Indiana University (IU) Center for Mathematics Education in a National Science Foundation- (NSF-) funded effort to implement reform-based mathematics programs in middle schools. Informed by the experience with the middle school project, the IU Center for Mathematics Education again partnered with the IMI and submitted a second proposal to NSF, this time focusing on mathematics education at the elementary and secondary levels. The new funding for the elementary and secondary projects became available during the 2002-2003 school year.

Grade 5 classrooms that had piloted ***Everyday Mathematics*** achieved a score of 218.7 on the NWEA Assessment, 2.3 points greater than the typical norm score.



The elementary component of the project focuses on professional development and leadership training provided to teachers. The goal is to help IMI teachers provide the very best instruction, which will lead to effective math learning for all students.

In order to maximize the effectiveness of professional development training, the IMI/IU Partnership decided that one reform-based elementary mathematics curriculum would be implemented. The choice was ***Everyday Mathematics*** which is aligned with the NCTM Principles and Standards.

The implementation of ***Everyday Mathematics*** began in fall 2002 with pilots in Grade 2 and Grade 5 classrooms; the pilots were initiated in approximately 15% – 20% of the Grade 2 and Grade 5 classrooms in the IMI districts. This implementation plan was chosen because the districts administer the Indiana Statewide Testing for Educational Progress (ISTEP+) in Grade 3 and Grade 6, the results of which are used to determine Adequate Yearly Progress. Therefore, the effects of the reform curriculum and professional development on student achievement could be measured.

The IMI/IU action plan at the elementary level is based on developing a highly skilled leadership cadre in each participating IMI district. Approximately 20% of all elementary school teachers in the participating IMI district will receive intensive training using a reform-based mathematics curriculum. The goal is to make these teachers exemplary in teaching elementary mathematics. Leadership training also will be provided to better enable them to convey what they have learned to other teachers and to serve as mentors.

Results

In addition to the state ISTEP+ assessment, Pike Township also administers the Northwest Evaluation Association (NWEA) Assessment. The NWEA Assessment is a standardized test that reports student scores on a continuum, meaning that students' scores advance on the same scale as they progress through the grade levels. The NWEA Assessment also provides a norm score at each grade level that indicates the amount of progress students typically make over the course of the school year.

The results of the NWEA Assessment Grade 4 in spring 2002 (before the pilot began) were tremendously consistent. With a typical Grade 4 norm score of 208.6, student scores in all Pike Township Grade 4 classrooms, and in both ***Everyday Mathematics*** pilot and non-pilot class rooms, were measured at 208.4.

In spring 2003, the NWEA Assessment was administered to students in Grade 5. The typical score on this test was 216.4. Overall, Pike Township Grade 5 classrooms scored 216.8 on this assessment while non-pilot classrooms tallied 216.5. The Grade 5 classrooms that had piloted ***Everyday Mathematics*** achieved a score of 218.7, 2.2 points higher than the non-pilot classrooms, and 2.3 points greater than the typical norm score.

According to Carolyn Bronson, Supervisor of Mathematics Curriculum for the MSD of Pike Township, teachers and students love the ***Everyday Mathematics*** program. "Our diverse student population has performed very well in mathematics," Bronson comments. "The experience in the MSD of Pike Township proves that all students can achieve in mathematics."

Districts Participating in the Indiana Mathematics Initiative

- Anderson Community Schools
- Bartholomew Consolidated School Corporation (Columbus)
- Elkhart Community Schools
- Fort Wayne Community Schools
- Metropolitan School District of Decatur Township (Indianapolis)
- Metropolitan School District of Pike Township (Indianapolis)
- School City of East Chicago
- School City of Hammond
- Vigo County School Corporation (Terre Haute)

For additional information on the ***Everyday Mathematics*** program, please contact us toll-free at 1-888-772-4543 and visit our Web site at www.WrightGroup.com.

Meeting All Expectations

Mc Graw Hill **Wright Group**

R80001103
0304

The McGraw-Hill Companies