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## DimensionM Report for Broward County Public Schools (*Report Highlights version*)

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### Websites

Product Site: [www.DimensionM.com](http://www.DimensionM.com)

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## Report Highlights - Broward County School District

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### **Report Overview** – (edited to remove school identity)

Tabula Digita is pleased to provide this report on its DimensionM program use, results and introductory activities in Broward County School District. Recently, the DimensionM program was introduced to a 3-week, summer course recovery math program for rising 7<sup>th</sup> and 8<sup>th</sup> graders at a Middle School in Broward County. DimensionM received very high acceptance levels from the students and their math teacher. Additionally, emphasis on home use was also promoted in order to demonstrate the high level of engagement and increased motivation of students to spend time doing math beyond the school day – especially among a population of struggling learners. Enrollment for the course recovery program was 40 students of which the program was deployed with 24 of these course recovery students during the 1<sup>st</sup> period morning class.

Prior to introducing DimensionM to the summer school program, the program was reviewed by all three district-level math supervisors (elementary, middle and high) and presented to the following groups/individuals:

1. Department of Instructional Technology
2. Executive Director of Core Curriculum
3. Middle School Math Department Chairpersons
4. High School Math Department Chairpersons.

On all accounts, there has been a significant and majority interest for implementation of the DimensionM program in Broward County Middle Schools starting with the 2008-2009 school year.

Technology requirements for DimensionM have been reviewed, approved and tested by the Department of Instructional Technology.

External to Broward County School District, the University of Central Florida (UCF) recently released a research study on DimensionM conducted with Orange County Public Schools indicating significantly higher gains among the tested population of students versus the control group. A copy of the release summarizing these results is attached and the full report may be viewed at [www.DimensionM.com/research](http://www.DimensionM.com/research). UCF is submitting this report for publication in peer review journals. Continuing research by Florida Universities (University of Florida and University of Central Florida), is being conducted to further document the efficacy of video-game based learning as well as motivational aspects and best-practices. DimensionM has been selected as the primary program for conducting these studies.

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### **Report Highlights:**

The following is a summary of the major data points from the various graphs, charts and surveys contained in this report:

#### *Academic Highlights*

- The average pre-/post-test improvement was 82.7%
- 75% of students (who used DimensionM) received a passing grade in the course
- Only 35.5 % of students (who did not use DimensionM) received a passing grade in the course
- Increased usage led to increased student learning and demonstrated improvement

#### *Student Use / Engagement*

- 52% of students used the program at home (or outside of class)
- Out of class use was >3 times that of in-class use on an average time spent per student basis.
- 100% of girls & 92% of boys said DimensionM was their favorite or one of their favorite math related activated in summer school.
- Both girls and boys either “really agreed” or “agreed” with the following:
  1. Want DimensionM in their school next year
  2. DimensionM helped them with their math skills
  3. DimensionM is a good way to practice math
- Favorite student comment: *“I liked that it made me think a little bit more than I usually do during the day”*

#### *Broward County Mathematics Educator Feedback:*

- The summer school teacher recommends the purchase of DimensionM and believes it contributed to student learning this summer.
  - 96% of middle school math department chairpersons said they are interested in introducing DimensionM to their schools
  - 80% of high school math department chairpersons would recommend DimensionM to their feeder middle schools
  - The #1 reason given by middle school math department chairs as to what would prevent them from implementing in the ‘08/’09 school year was “budget”. (most all responses were unrelated to mathematics concerns or questions)
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