

# Boosting Student Achievement with Technology

## Summary of Dr. Robert Marzano's Evaluation Study of Promethean's ActivClassroom Effect on Student Achievement

A highly respected educational research specialist, Dr. Robert Marzano, has completed a multi-year study (2008-2010) to determine the effectiveness of the Promethean ActivClassroom as a tool to help improve student achievement.

### Study Findings

Academic performance by students increased by **16 percentile points** when teachers, with sufficient training, used the ActivClassroom.

The study, "Evaluation Study of the Effects of Promethean ActivClassroom on Student Achievement" found that utilization of the Promethean ActivClassroom led to immediate and sustainable improvement in student achievement, and is an effective tool for helping to reduce the achievement gap.

Beyond the 16-percentile point achievement gain, the research found that:

1. **Professional development** is essential. Increased confidence equals greater and more frequent use of the interactive classroom technologies. Great confidence leads to increase usage, and theoretically, even greater student gains.
2. **Complete integrated solution** works best to increase academic performance of students. The study looked at the entire classroom environment – not just the interactive whiteboard.



### Promethean Solution

Student academic performance was greater in classrooms where the ActivClassroom by Promethean was used. These technology-rich learning environments feature:

- ActivBoard: interactive whiteboard
- ActivInspire software suite
- ActivExpression/ActiVote: student assessment devices
- ActivSlate: digital tablets
- ActivContent on Promethean Planet: online classroom content
- Professional Development – online and in-person

### About the Study

Launched in 2008, the focus of this multi-year independent research project is to determine the impact of the ActivClassroom on student achievement and academic improvement. The nationwide study included nearly 5,000 students, 170 teachers, and 73 schools spread across rural, urban and sub-urban districts. The survey is the largest research project of its kind. It is both mathematically sound and statistically robust. The first report was issued in the fall of 2009. A complete study is online at [www.PrometheanWorld.com/research](http://www.PrometheanWorld.com/research).

### About Dr. Robert Marzano

Robert J. Marzano, PhD, is cofounder and CEO of Marzano Research Laboratory in Englewood, Colorado. A leading researcher in education, he is a speaker, trainer, and author of more than 30 books and 150 articles on topics such as instruction, assessment, writing and implementing standards, cognition, effective leadership, and school intervention.