SMART Technologies Research

With more than 1 million SMART Board® interactive whiteboards in classrooms worldwide and more than 25 million students actively learning with SMART products every day, SMART can be found in every U.S. state, every Canadian province, every Local Authority in the UK and more than 170 countries. This research summary presents findings from recent projects that explored how interactive response systems are being used to improve learning outcomes.

SMART Response® Interactive Response Systems

Investigating the use of student response systems to engage, monitor and extend the thinking of pre-service teachers.  
Jacobsen and Davis (2011). University of Calgary, Canada.
Researchers found the use of the SMART Response interactive response system increased student engagement, and the insight gained through the formative assessments conducted using this technology had a significant and positive impact on the professor’s teaching strategies, improving the quality of interaction with students. The results of the study show that use of the system helped students understand the diversity in thinking represented within the group, created more opportunities for discussion and enhanced their understanding of lecture content.

Read more at SMART Response, University of Calgary

Immediate Feedback: Student Response Systems
Rovnak (2009). Full Sail University, Florida.
This four-year action research study concluded that interactive response systems help increase student learning and enhance teachers’ ability to target areas of concern. Interactive response systems allow students to respond immediately to questions and enable teachers to give fast feedback. Without having to wait until tests and quizzes are graded, teachers can quickly adapt their teaching to address gaps in learning before moving on to more advanced lessons. The research paper concluded that interactive response systems “are invaluable tools to have in an elementary classroom” (p. 21).

Read more at SMART Response, Full Sail University

Clickers in the large classroom: Current research and best-practice tips
Caldwell (2009). West Virginia University, West Virginia
The literature review highlights research trends, best practices, and recommendations for using student response systems in the classroom. Student response systems have been found to be positively correlated to improved learning outcomes, student attitudes, and participation.

Read more at SRS, West Virginia University
Real People. Real Results

SMART Response interactive response systems are easy to use, integrate seamlessly with other SMART products and deliver ongoing insight into student comprehension and learning needs. The following customer stories show you real people using SMART Response interactive response systems to achieve real results.

SMART products increase student engagement in US classrooms

*Integrating Technologies for Teaching and Learning*

Three U.S. schools reported that using SMART Response interactive response systems in their classrooms has increased student engagement. Oak Park Unified School District in Oak Park, California, surveyed teachers using the product and found that 91 percent believed their students enjoyed the learning process more and that 94 percent felt their students were more engaged in learning.

Read more at [SMART in Oak Park, CA](#)

New York district chooses SMART

The Elmont Union Free School District in Elmont, New York, chose the SMART Response interactive response system for its elementary school classrooms, installing nearly 100 of the systems in its kindergarten to sixth-grade classes. The decision to purchase the systems was made because of their seamless integration with other SMART products.

Read more at [SMART in Elmont, New York](#)

Teachers use new interactive system to connect with students

Teacher Frank Moeller at Bowcroft Elementary School in Calgary, Alberta, Canada, found that using the SMART Response interactive response system increased student engagement and improved learning outcomes in his German language classes. Students used the product to receive instant feedback on their answers, which Moeller cited as the main reason SMART Response is so effective.

Read more at [SMART in Bowcraft, Calgary](#)

Improved test score with SMART products

Hurst Junior High School in the Hurst-Euless-Bedford Independent School District in Hurst, Texas, has experienced a 25–30 percent improvement in math scores since it began using SMART Board interactive whiteboards and SMART Response interactive response systems.

Read more at [SMART in Hurst, Texas](#)

For more information, please visit the SMART Research Library at [smarttech.com/research](http://smarttech.com/research)