Interactive Whiteboard Research Shows

by Nancy Knowlton

Since 1997 SMART Technologies has supported a variety of interactive whiteboard research projects around the world. This nonintrusive, hands-off support has allowed teachers, postgraduate students and professors to investigate the benefits of using interactive whiteboards in the classroom. Typically SMART's support has consisted of loaning the product for the duration of the project.

With more than 10 years of research behind us, we now have a clear picture of the benefits to educators of using interactive whiteboards in the classroom. While we acknowledge the differences that exist in education systems around the world, we also have witnessed few, if any, differences in the research findings, which tend to fit neatly into the five following categories.

Improved student engagement

Researchers have reported that students are more engaged in classrooms with interactive whiteboards. Students themselves report that lessons are more interesting when they get to use an interactive whiteboard.

Additionally, the wow factor really doesn't wear off over time. Skeptics might postulate that students become blasé about its use, but that speculation is not borne out by the research.

A certain level of technology competence does need to be assumed. Teachers are not delivering old-style chalk-and-talk sessions from the front of the classroom. Professional development should include training on strategies for engaging the whole class with an interactive whiteboard.

Improved Motivation and Attendance

It's a simple fact – if students aren't in class, they are not engaged in formal learning. If they are acting up in class and not paying attention, they are not learning at all. Students must be intrinsically motivated to learn, and that is much more likely when the learning environment is fun and engaging.

Researchers have reported a higher level of attendance in classes where an interactive whiteboard is being used. In some locales, simply getting children into the classroom is a major accomplishment. Igniting the will to learn with an interactive whiteboard may provide the incentive to return.

Different Learning Styles

Some students learn by simply reading a book. Some learn by listening. Others draw a picture in their mind as teachers talk. Many students today are visual learners, and they learn best when they can see visually engaging pictures, videos, images and diagrams. With an interactive whiteboard in the classroom, teachers can draw upon a variety of multimedia resources to help more students grasp a concept.

Improved Review and Retention

At the end of the day, the aim is to ensure that students learn – to both understand and remember what they have seen, heard and experienced. To do so, they must be encouraged to build their own knowledge. Students can concentrate during class and review the teacher's digital material later in more detail, in many cases replayed just as it unfolded during class.

Teacher productivity

Although teacher productivity has not been a specific focus of most of the research studies, comments from teachers about improved productivity are common. Most comments center around the positive effects of having reusable and easy-to-adapt lesson materials, which can save teachers enormous amounts of time from one year to the next.

Teacher productivity is an important consideration for schools adopting information and communication technology (ICT). As school jurisdictions move to broadly deploy ICT, teachers also need to benefit. The achievements and enthusiasm of their students are definite motivators, but if teachers can reduce their preparation time while increasing student engagement, the advantages of the technology cannot be ignored.

All of this research paints a positive picture of the impact that interactive whiteboards can have in 21st-century classrooms.

Action Research and Large Studies

For a summary of a collection of research papers, go to www.smarttech.com/whitepapers.

To access an important recent study from the UK go to http://partners.becta.org.uk/index.php?catcode=_re_rp_02&rid=14422&section=rh.

Nancy Knowlton is the co-founder and CEO of SMART Technologies, the world's leading supplier of interactive whiteboards. Nancy's husband and SMART co-founder, David Martin, is the inventor of the interactive whiteboard product category. Together they have built a company that is focused on delivering easy-to-use, yet feature-rich collaboration tools, including the SMART Board™ interactive whiteboard. Nancy can be reached at CEO@smarttech.com.

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Interactive whiteboards indicate positive effects on studentsâ€™ learning and instructors' teaching, promoting whole class teaching. In this review-paper we cope with the studies that explore the integration of IWBs in preschool and primary education in the last decade (2004- 2013). Research has shown that interactive whiteboards are able to keep students involved and foster their attention in every aspect of the curriculum, much easier than without it.Â Research showed that Serious Games are able to keep all students engaged in classroom facilities, scaffolding their learning through increased motivation, independence, autonomy and resultant self-esteem. Serious Games Based Learning (GBL) has proven its added value in almost every aspect of the curriculum. [more]. Welcome to our Interactive Whiteboard Resources! To get started pick a subject, then an age group from the menu on the left. We've been working hard to feature the best educational resources which work well on interactive whiteboards in the classroom. The resources are organised by subject, age group and category to make them easy for you to find. We are constantly updating the web sites listed here to ensure that they are current. View Interactive whiteboard Research Papers on Academia.edu for free.Â The research aims at investigating the Saudi Secondary school Teachers' Attitudes towards using Interactive Whiteboard in the classrooms. The research uses the Quasi-Experimental approach, with one group (100) teachers, and limited more. The research aims at investigating the Saudi Secondary school Teachers' Attitudes towards using Interactive Whiteboard in the classrooms. The research uses the Quasi-Experimental approach, with one group (100) teachers, and limited to the Secondary school Teachers that enrolled in the first semester of (2011/2012) academic year. Interactive whiteboard apps are a great way to keep remote employees engaged. Come check out our four recommendations in our new blog.Â To help you find an interactive whiteboard application with real-time collaboration for remote workers, weâ€™ve created a list of our top four recommendations below. Each of these apps are designed to engage everyone in your meeting, whether on-site or off, in a truly collaborative whiteboard session. #1: ExplainEverything. Boasting four out of five stars from its 4.2 million users, ExplainEverything is an easy-to-use, interactive whiteboard application that enables you to annotate, animate, and narrate documents, images and drawings. You can also â€œimport and export almost anything to and from a An interactive whiteboard (IWB) is an interactive display system that is commonly used in educational applications. IWB forms a link between a teaching surface and a digital projector and computer. A large wall-mounted panel is the most commonly used â€œteaching surfaceâ€ that allows the user to operate the computer via interacting with the projected image.Â Res. Rev. Technology (ICT) for education, including interactive whiteboard. The government believes that IWB will raise childrenâ€™s learning efficiency. Australia and America have also introduced IWB into elementary education. Many existing studies showed that IWB can increase interaction between teachers and students as well as students motivation and enjoyment (Beeland, 2001).