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A learning community with an international standard of excellence

Scotch College is well placed to be a world leader in embracing the power of a 1:1 notebook programme as a central tool for extending learning beyond the classroom with a clear map for developing and tracking 21st Century skills in our students.

The Scotch College 21st Century Skills Matrix clearly articulates the synergy between our International Baccalaureate pedagogy and our integration of technology into the curriculum. Our goal is to develop boys of character, who are active and passionate life long learners, ready to take their place as valued members of the global community.

1:1 @ Scotch

Winter Term 2009

Read more on iShare
https://ishare.scotch.wa.edu.au/groups/strategicplan/
Key Opportunities

Context

Today’s adolescents have grown up with technology. On average, 13- to 18-years-olds spend more than six hours a day using digital media. As consumers, they collectively control more than $175 billion annually. As students, they are often disengaged by an education system that hasn’t capitalized on the power of today’s technologies.

Outside of school, they instant message, download and listen to music, compose and send text messages and emails, view television, exchange text messages and digital images via mobile phone, browse the web, and play interactive games – all the while multitasking.

Such facility with technology should not be mistaken for expertise or literacy with technology. Most students are in woeful need of conventions of technology prowess — conventions that will enable them to use technologies expertly as informed consumers, critical thinkers, creative producers, and socially adept and effective communicators. In the best-selling book, The World Is Flat, author Thomas Friedman warns there is “no turning back,” reminding us that technological influences have irrevocably redefined our world. Savvy educators agree. In fact, a profound transformation is taking place in many progressive schools across the country.

Innovative educators are embracing a bold new catalyst to learning: 1 to 1 computing. The “notebook for every student” concept is changing how, when, and where students learn. The potential of 1 to 1 learning is maximized in schools where these technology tools are deployed in classrooms characterized by academic rigor, real world experiences, and high-quality teaching that incorporates research on how people best learn.

Scope

Research

For decades, technology has been the driving force behind globalisation, accelerating change and the tremendous economic, social, geopolitical, and cultural shifts of the 21st century. It has profoundly changed life in classrooms around the globe.

Teachers and administrators from 1 to 1 schools report new depths of academic inquiry, researching, and understanding on the part of students. They find that their students are acquiring 21st century skills through 1 to 1 learning.

In addition to the emerging evidence of the positive impact of 1 to 1 learning on student achievement, there is significant evidence of the impact that it has on the teaching and learning process. Many of the goals that schools are trying to achieve in bringing more rigorous, authentic learning into the classroom seem to be almost inadvertently promoted in classrooms where all students have a connected personal computer. Collaborative learning, rigorous authentic learning, inquiry-based learning, and active, engaged learning are consistently associated with 1 to 1 learning initiatives.

The National Debate

These directions and innovations are clearly now in operation within Australia with recent Australian Government initiatives on 1:1 for every Year 9 -12. 21st Century skills as a preparation for workforce readiness have been clearly outlined by the Australian Minister for Education, Julia Gillard.
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