

# BEST PRACTICES IN EDUCATION IT USAGE

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# THEN AND NOW



3 Rs to 4Cs Student Achievement

Servers

Security/Compliance

# CHALLENGES

Supporting Personal Devices

Digital Content

# Sustainability

Empowering Faculty

Measuring Success

Distance Learning



# THE 4Cs



Critical Thinking and  
Problem Solving



Communication



Collaboration



Creativity and  
Innovation



# HP: PARTNERS IN EDUCATION



Academic



Technology



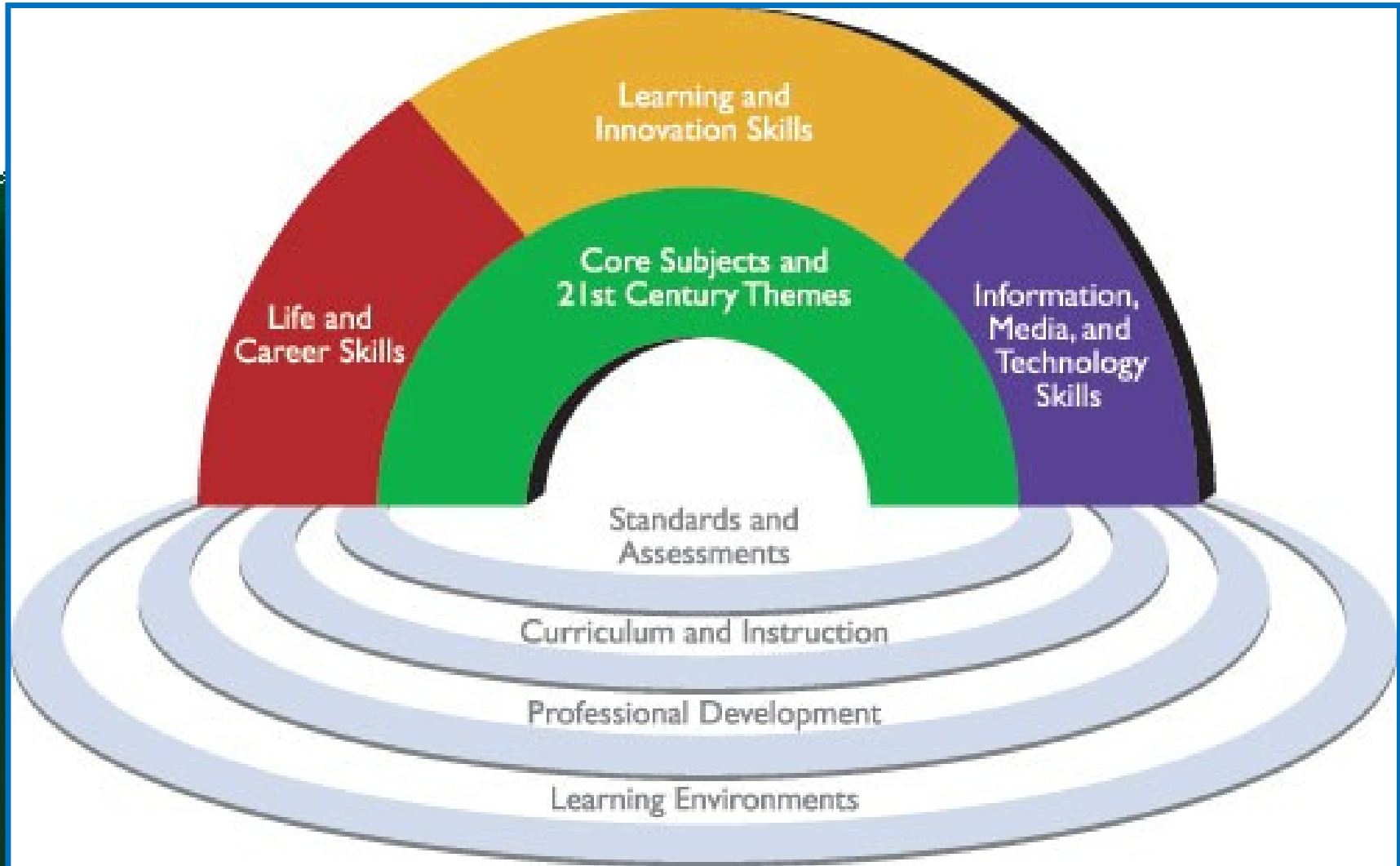
Financial



Administrative



# CHANGES IN WHAT WE TEACH



# FADS VS. FACTS



*the potential to make  
authentic impact on  
student achievement...  
but that technology must  
be made **essential** to the  
process of teaching and  
learning...”*

– District Administration  
Magazine Aug 2010



# FADS VS. FACTS

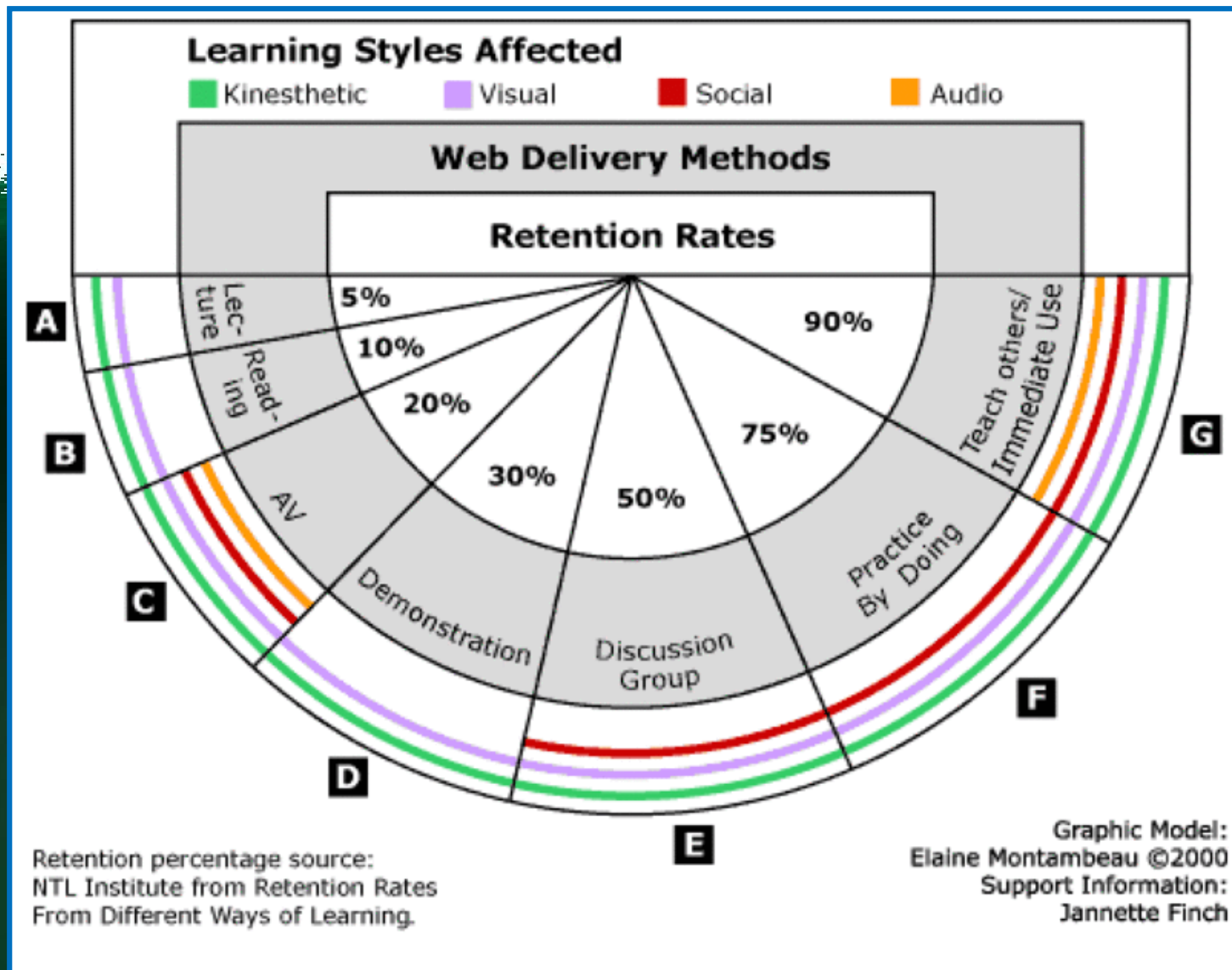
From aid to clouds, from augmenting whiteboards, the one and only technology that has the opportunity for being used as an essential element in teaching and learning is one-to-one computing— each and every student having his or her own personal computer, 24/7.

Most importantly, that computer needs to be used for a substantial number of the learning activities in a lesson.”

– District Administration Magazine Aug 2010



# CHANGES IN HOW WE TEACH



# IT TAKES MORE THAN JUST A PC...

IT Infrastructure in every school

Secure, dedicated WAN

Virtual Learning Environment

- Tools for Teaching and for Teacher Development

- Online Learning Courses for both Students and Teachers

- Communications Technologies for Discussion

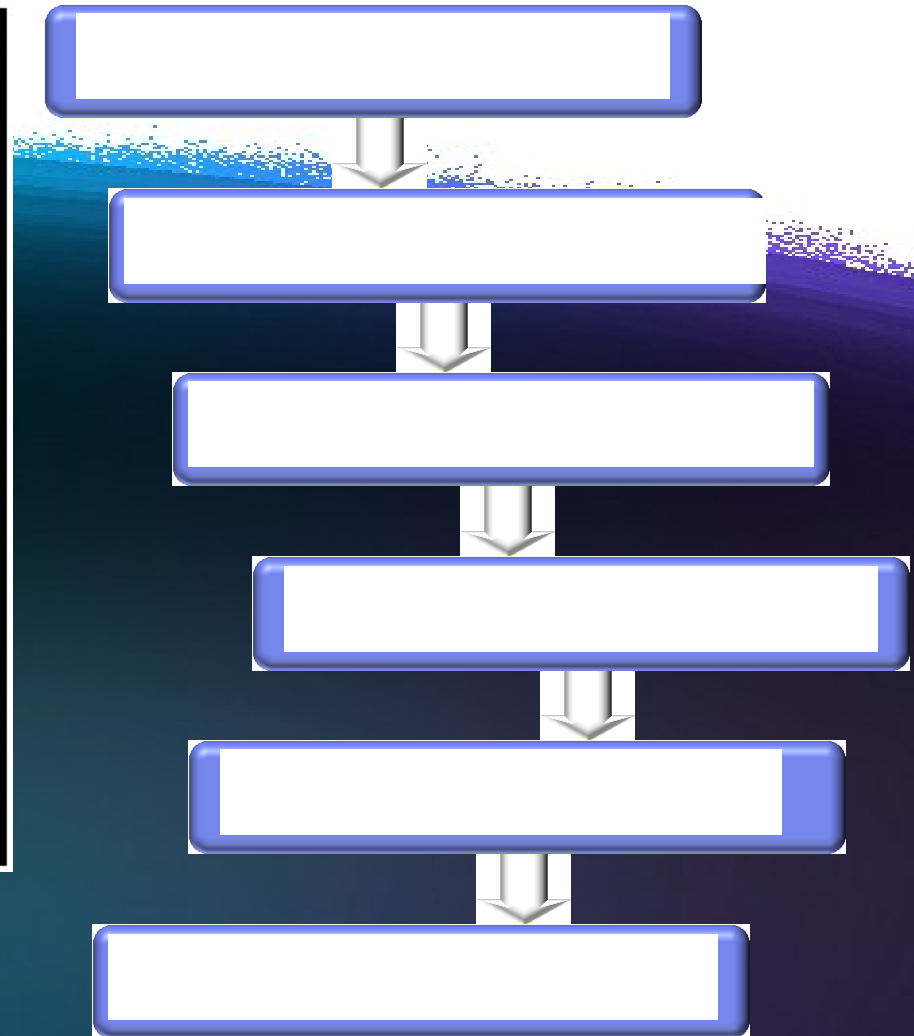
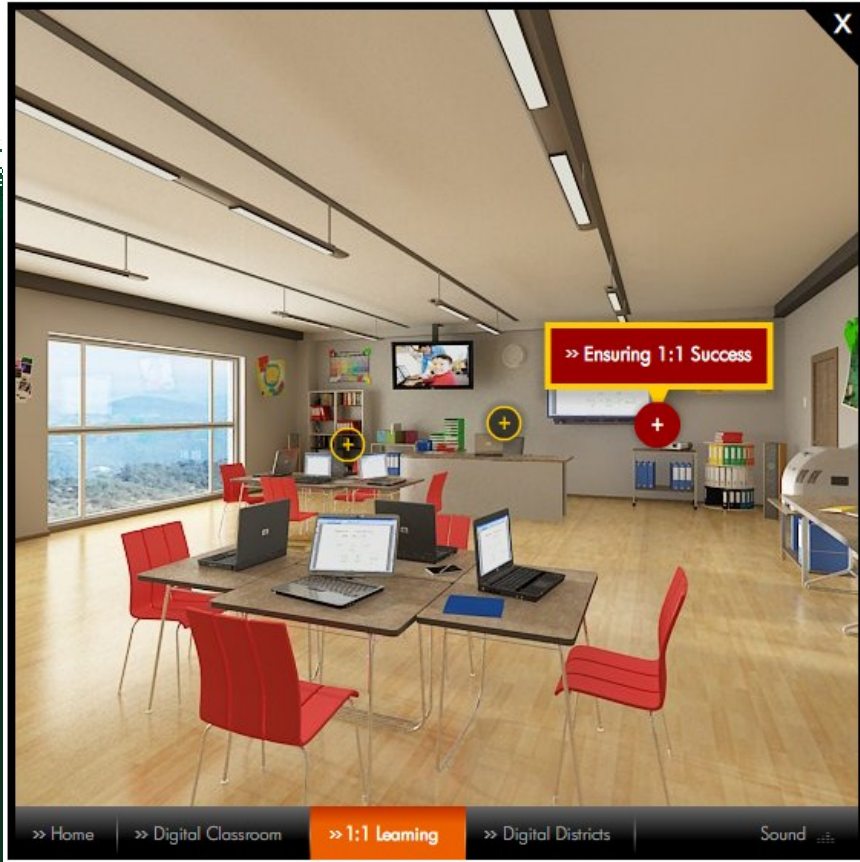
- Games and exercises to enable students to practice what they are learning

- Administrative tools for managing progress

Service Desk and Support Resources to maintain it all



# TAKES MORE THAN JUST TECHNOLOGY



# DEPARTMENT OF EDUCATION NORTHERN IRELAND



The C2K Project is a project delivered by the Department of Education Northern Ireland, to link up 1,200 schools and provide 350,000 pupils and teachers with a WAN infrastructure, email, Web Access and Managed Learning Environment within Northern Ireland education.

## Education Needs



- C2k has different contracts for computing in the 1,200 schools, but needed to securely link all the schools together and provide e-mail, WEB Access, Learning Environment.
- C2k needed a central point of contact for users to call for issue reporting and advice for use of the service.
- C2k were looking for a partner to deliver and develop the ongoing, managed solution.

## HP solution



- HP built a data centre & created a communications network which connected every school back to the data centre.
- HP offered to locate its staff at a C2k site.
- HP provided a central service desk for all calls.
- HP offered a “Prime Integrator” role to help C2k join up all the IT contracts they have involved in providing the overall solution to schools.

## Education Benefits

- The schools now have a secure infrastructure for mail, WEB and the Virtual Learning Environment (Learn Northern Ireland).
- The support of an educational technology provider frees up teachers to spend time on teaching rather than making the IT work.
- HP and C2k are working in development forums to design additional services to deliver to schools.

# KEY QUESTIONS TO ANSWER

- If a partner, does that partner understand and have the ability to address the full scope of the subject – not just the Technology but also the Academic, Financial and Administrative requirements?
- It's not just about a PC for every student. Is the government prepared to invest in everything else necessary to make usage of that PC an *essential* part of the education process?
- And most important – is the government ready to make a long-term commitment to leverage the use of technology to improve student achievement?





THANK YOU

