



SUMMARY

E-LEARNING ROUNDTABLE
ROYAL ROADS UNIVERSITY - VICTORIA
FEBRUARY 3, 2004

PREMIER'S TECHNOLOGY COUNCIL

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The purpose of this report is to capture recommendations that were put forward by more than 140 education leaders and practitioners during the Premier's Technology Council's E-learning Roundtable, which was held on February 3, 2004, at Royal Roads University, in Victoria, British Columbia. Every effort has been made to reproduce the recommendations as they were recorded on the session comment sheets.

The PTC is greatly indebted to the President of Royal Roads University, Dr. Richard Skinner, and members of his executive who helped organize and stage this highly successful event. The Council also extends its gratitude to its sponsor, TELUS, who made this event possible.

Last but not least, the Council very much appreciate the time and efforts all participants committed to prepare and participate in this Roundtable.

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OVERVIEW: E-LEARNING ROUNDTABLE

On February 3, 2004, the Premier Technology Council held an E-learning Roundtable at Royal Roads University. The purpose of this one-day roundtable is to provide an opportunity to share best practices, discuss e-learning issues, and make recommendations to government on how e-learning initiatives can be supported to expand quality educational service in the province and how the burgeoning online learning industry in British Columbia can be further developed.

The roundtable brought together 143 executives, key decision makers, and leading practitioners from industry, education, and government representing four key sectors: K-12, Post-Secondary Education, First Nations and industry. A detailed list of roundtable attendees can be found on page 17.

E-LEARNING ROUNDTABLE PROGRAM

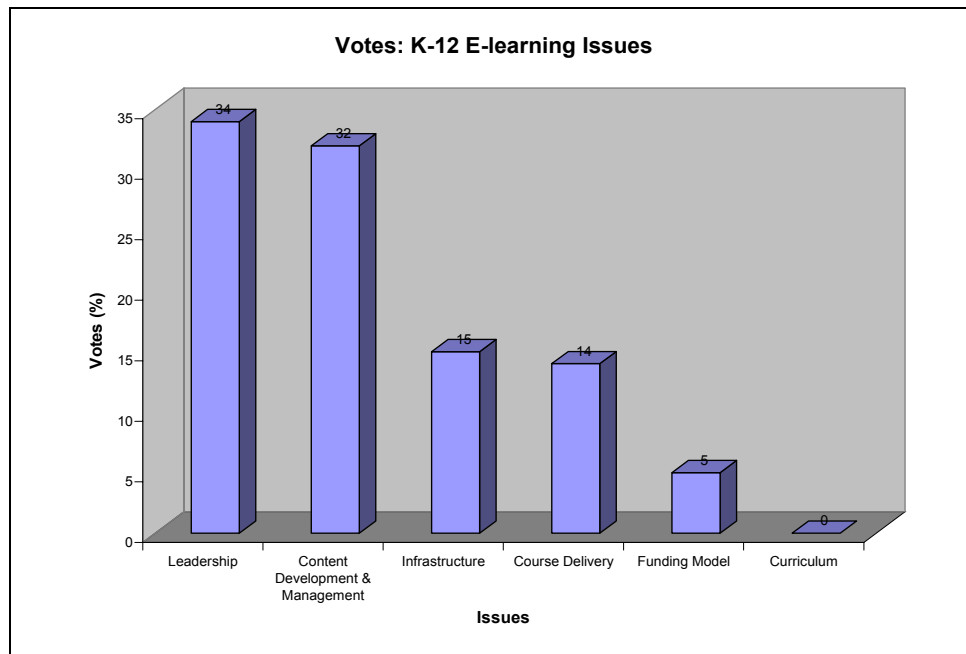
0800 – 0830	Continental breakfast and registration
0830 – 0915	Opening of Event - Opening remarks from Premier Gordon Campbell - Welcome Speech: Jim Mutter, President - Premiers' Technology Council
0915 – 0930	Orientation
0930 – 1045	Small Group Café Issues clarification by like groups (K-12, PSE, First Nations, Industry)
1045 – 1115	Nutrition Break
1115 – 1200	Plenary – reporting out all issues
1200 – 1330	Lunch
1230 – 1330	Panel Discussion - Bruce N. Chaloux, Director of the Electronic Campus of the Southern Regional Education Board (US) - Ivy Charleston, FirstVoices Trainer - First Nations Cultural Foundation - Dr. Rosina Smith, Executive Director – Alberta Online Consortium - Josh Blair, Vice President Human Resources – Employee Development, TELUS
1330 – 1340	Afternoon Orientation
1340 – 1500	Mixed groups Working on solutions/recommendations
1500 – 1530	Nutrition break
1530 – 1630	Plenary - Honourable Tom Christensen, Minister of Education - Reporting out solutions/recommendations
1630	Reception

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RESULTS OF THE E-LEARNING ROUNDTABLE

K-12

87 votes were cast on K-12 e-learning issues. The results are shown below:



1. LEADERSHIP

Issue

Government lacks a clearly articulated and well understood e-learning vision and strategy to build a sustainable e-learning model:

- Leadership is not evident which leads to inconsistent funding for development, fragmented effort and considerable duplication
- There are inconsistent policies and regulations between students who attend schools and those who are educated at home

Recommendations

- Establish a coordinating/central body for e-learning to develop a collective vision of K-12 e-learning and
 - Become the centralized enabling structure for content, curriculum and learning resources
 - Set provincial standards/policy and framework for accountability
 - Support mentoring and collaboration between disciplines and institutions
 - Define full spectrum of e-learning and online learning model (distance learning, blended, partly online, integrated into face-to-face class), recognizing that one teaching model does not work for all students

- Highlight effective e-learning tools – Vclass, First Class, WebCT
- The government should fully support, including financially, BC Ed Online, to provide leadership, a centralized, coordinated learning object repository and broadband connectivity for all schools, communities, and families at home
- Create a centralized provincial organization that plays a role in a collaborative model of e-learning between K-12 school districts with an emphasis on cost/revenue sharing through branding and marketing of provincial e-learning products (content and services) abroad.
- Need to hire a person to promote BCEd Online to school districts – need to create and communicate the value proposition and get school districts to participate
- Create a sustainability model for BCEd Online that includes a government, school districts and other matching programs (including the industry).

2. CONTENT DEVELOPMENT AND MANAGEMENT

Issue

Current processes for the development of content are inadequate:

- There is a lack of funding for the development of shared content.
- There is a need to have more/aggregate resources online - eg. online library.
- There is a need to clarify ownership or copyright of e-learning material.

Recommendations

- Identify and adhere to acceptable standards
- Create a central electronic forum for all stakeholders to participate (make it open) to direct development. This would provide input through ongoing discussions.
- Create a repository of electronic learning objects that linked to learning outcomes. The repository will help define standards.
- Centralize resources to increase access to quality e-learning resources (eg. centralized purchasing of common tools (platform, software, content))
- Decentralized content development (opportunities and resources to districts and release time for teachers)
- Research and study models of online pedagogical practices
- Some teachers may develop electronic learning objects but this should not be the focus. Skillfully using electronic objects (as well as all available resources) is what the teacher does best in developing his/her curriculum.

3. INFRASTRUCTURE

Issue

There is inadequate infrastructure and support for e-learning throughout the province:

- Not all BC students have equal access to broadband/adequate computers.
- There is a need for a common interoperable infrastructure.
- There is a lack of centralized repository of high quality learning objects that can be repurposed quickly and easily.
- Information/computer literacy skills need to be enhanced for learners.

Recommendations

- Government and industry work together to make a significant investment (\$) in bandwidth and support (beyond levels currently provided by PLNet) that will enable high quality, reliable access to e-learning content and opportunities
- Negotiate provincial licenses for e-learning technologies platforms, with consideration given to a single common platform throughout BC, or economies of scale group licensing
- Budget for ongoing maintenance and upgrading of all aspects of the infrastructure
- Set standards for equity of access and ensure interoperability
- Investigate international standards and open source options

4. COURSE DELIVERY

Issue

- Training and credentials need to be addressed:
 - For principals to provide leadership on how to implement e-learning solutions.
 - For teachers to move from face-to-face to online teaching environment.
- There is a resource issue for delivery of online courses - currently many teachers are overloaded trying to teach both face-to-face and online.

Recommendations

- Ministry to set standards and qualifications for e-learning teachers
- Professional development for all educators, specifically encourage Faculties of Education to include training in e-learning facilitation
- Identify exemplary e-learning practitioners in K-12 in BC and provide them with the opportunity to deliver professional development to their colleagues around the province
- Province needs to invest in professional development in-service to accommodate this new development in instruction: course development and instruction
- Incorporate at least one e-course for every student in grades 10, 11, and 12

5. FUNDING

Issue

The current funding model which is based on FTE and a one-time calculation per year (every Sep 30) is inflexible and hinders the adoption of e-learning in the province.

Recommendations

- Review funding for possible changes (eg.: funding based on per course rather than per school, voucher system, funding adjustments for technology)
- Clarify and reconcile different formulas for similar settings, i.e. how funds transfer when student leaves a face-to-face environment and moves online after September count (provide funding adjustments during the year using current technology)
- Create funding model whereby e-course providers are paid by ministry, not school, for school enrolment in e-course to which they do not have face-to-face access

6. CURRICULUM

Issue

The current curriculum does not encourage the use and development of e-learning:

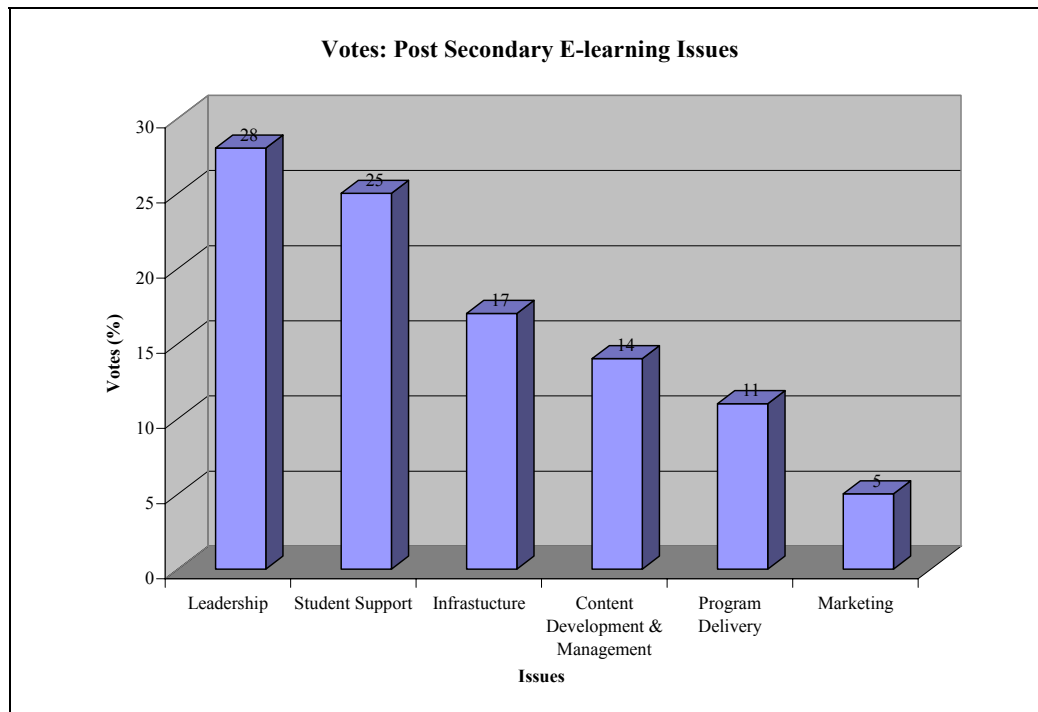
- There is little in the way of online course/curriculum development standards and performance measures.
- The current curriculum can be interpreted in many different ways.
- There is little room to exploit technologies.

Recommendations

- New curriculum should be designed with e-learners in mind
- Curriculum outcomes should be written to allow relevance and diversity in media approaches, age and cultural considerations and the high-level (truly significant) requirements of the discipline
- Create a curriculum tool that would permit content to be easily matched against curriculum outcomes
- The curriculum revision cycle for core areas should be stable to minimize resource, content and implementation costs. This would allow more resources to be directed to a wider range of curriculum supports over time i.e. don't change curriculum more often than 10 years (arbitrary number)

POST-SECONDARY EDUCATION

64 votes were cast on Post-Secondary e-learning issues. The results are shown below:



1. LEADERSHIP

Issue

Government lacks a clearly articulated and well understood e-learning vision and strategy to build a sustainable e-learning model:

- Leadership is not evident which leads to inconsistent funding for development, fragmented effort and considerable duplication

Recommendations

- Accelerate BCcampus initiative
- Ensure that representatives of each post-secondary institution be involved in the governance and decision-making for BCcampus and other initiatives
- Convince or give incentives for every post-secondary institution to develop and publish an e-learning strategy/action plan
- Government should provide leadership in aggregate purchasing – would result in cost savings and common platform
- E-learning literacy for leaders
- Policy review – government policy needs to reflect government strategy
- Leadership should transcend individual institution Develop leadership in e-learning with educators by providing resources and professional development

2. STUDENT SUPPORT

Issue

There are special student support issues that hinder development and use of e-learning:

- Computer literacy skills need to be enhanced for learners.
- E-learning affects student loans eligibility.
- There is a need for seamless admission/registrations & transferring of credits between post-secondary institutions.
- Currently, there are no economies of scale for student services, such as access to library databases, helpdesk support and academic advising.

Recommendations

- The Ministry of Education and the Ministry of Advanced Education work together to harmonize the transition from K-12 to post-secondary
 - Help desk for all students
 - Set standards and technical compliance for access to standards
 - BC Campus and BC Ed Online should work together
- The government work with K-12 and post-secondary institutions to document the known specific skills sets required by students to succeed in an e-learning environment and develop learning support services accordingly
 - Incorporate lessons learned vis-à-vis student support from existing models (e.g. Southern Regional Education Board) into BC Campus including initiatives to support advanced placement
- The government should re-examine financial aid policies that are biased to face-to-face learners – student loan eligibility should reflect that e-learning is a viable choice for learners who need financial support

- The provincial government should establish in partnership with existing bodies, online access to library services that students in a face-to-face environment would have (equality of access regardless of where the student lives and nature of the program) for K-12 and post-secondary
- Develop revenue-sharing mechanisms to fund institutions for supporting e-learners enrolled elsewhere e.g. technical support
- Use BC Campus support structure to help coordinate collaborative student support services i.e. e-dial an advisor or librarian
- Ensure appropriate technical support to ensure that first experiences with e-learning is a positive one
- Focus on student needs combined with labour market realities and future expectations

3. INFRASTRUCTURE

Issue

There is inadequate infrastructure and support for e-learning throughout the province:

- There is a need for a common sustainable platform and compatible applications.
- Limited access to computers/broadband, especially for learners in remote and rural communities, and disadvantaged communities in urban settings.

Recommendations

- Expand broadband access by working with Telco's, Cable Companies and local ISP's to provide a local point of presence in BC communities i.e. public utility
- Specify and promote interoperability standards. We do not need a common sustainable platform but rather, we need accepted interoperable standards e.g. Open Source
- The government should work towards post-secondary institutions using the same Learning Management Systems
- Coordinate provincially broadband connectivity for all institutions. Reference – Orion project in Ontario, Supernet in Alberta (gigabyte to the household)

4. CONTENT DEVELOPMENT AND MANAGEMENT

Issue

Current processes for the development of content are inadequate:

- There is limited funding and skilled people for content development.
- There is a lack of collaboration.
- There is a lack of quality control in instructional design.
- There are inconsistent policies concerning ownership/copyright of Intellectual Property.
- E-learning R&D is very limited.

Recommendations

- Government should develop a mechanism or broker an organization to itemize resources (information and content development sharing)
- Funding for research into content development and pedagogical support
- Establish peer review process to promote quality
- Clarify copyright/intellectual property laws

- Host events to showcase excellence
- Encourage e-learning initiatives in apprenticeship programs and industry training

5. PROGRAM DELIVERY

Issue

There are faculty inadequacies:

- Faculty support and training on how to teach effectively in the online learning environment is limited.
- There is a shortage of resources and people for program delivery.

Recommendations

- Centralized services/decentralized delivery
- One portal, 1 set of services and 1 technology support for all
- Provide a centralized repository for all institutions
- Create a BC virtual university
- Encourage post-secondary institutions to deliver e-learning courses (e.g. – fund more seats)
- Support credit transfer across institutions
- Enforce/enable collaboration for common courses/programs
- Establish 'truly' common course credits between institutions. This would:
 - Lead to less repetition in e-course development (consistency in course and program development /training”
 - Increase access to shared program delivery (i.e. course could be taken at one college or university via e-learning while attending at another)
 - Result in cost savings – facilitators, reduction of duplication of services, etc.
- Establish a standard professional development program for all universities and college facilitators in e-learning
- Provide incentives for teachers, professors, teaching assistants to take training and encourage best practice in teaching and learning in effective e-learning
- Combine post-secondary/collaborate with K-12 in professional development activities
 - Common interests/needs for development of e-learning skills
 - Shared costs and shared expertise/in-servicing
 - Increase critical mass for taking professional development and ultimately in trained people

6. MARKETING

Issue

There is insufficient effort to put BC on the map or showcase BC e-learning successes.

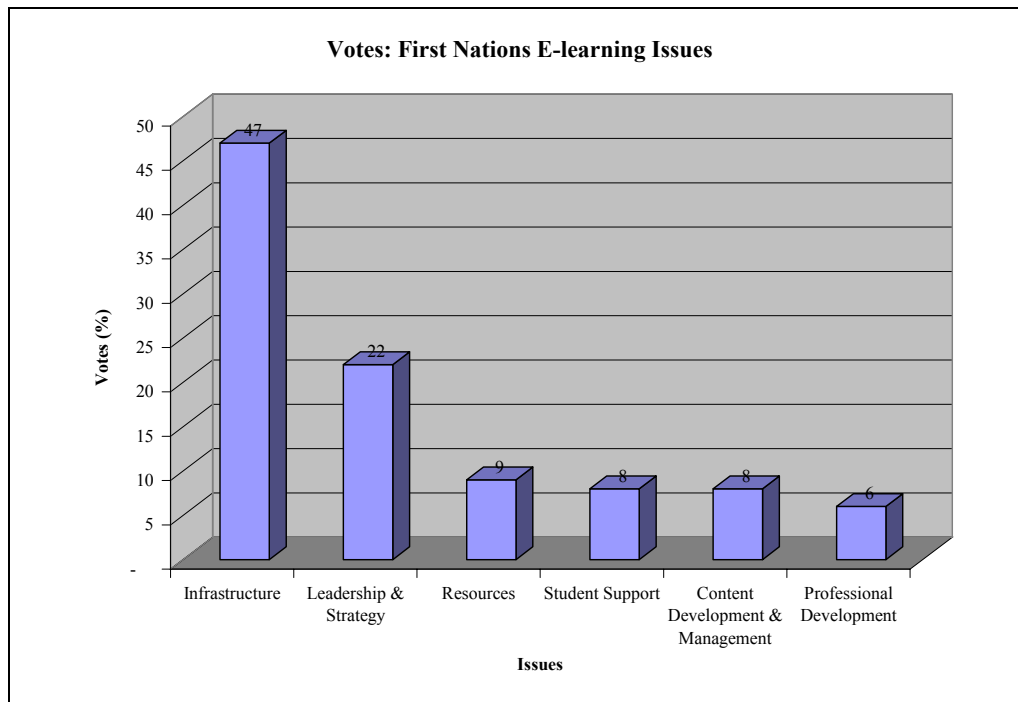
Recommendations

- Institutions work with BCcampus to market “BC Brand” of e-learning
- Create possible regional centres of expertise in specific programs (like ESL, high tech/IT, engineering)
- Partner with industry, government and academia to create centres of excellence and market success stories

- Assist with creating a clear impression of what distinguishes BC post-secondary brands
- Need to promote the value of life-long learning and learning lifestyle as part of BC culture, with e-learning as a key element augmenting all types/forms of delivery
- Encourage one-voice policy (business and education working develop a common language with a common understanding). Provide a single entry point to put out messages
- Dialogue – recognize/identify who are our clients/market
 - View students as customers with unique needs who will/can shop elsewhere if we don't meet their educational needs
- Change perception that e-learning is a lesser value option to traditional teaching and learning formats/methods

FIRST NATIONS

53 votes were cast on First Nations e-learning issues. The results are shown below:



1. INFRASTRUCTURE

Issue

There is inadequate infrastructure and support for e-learning throughout First Nations communities:

- There is a need for a common sustainable platform and compatible applications.
- Limited access to broadband and computers.

Recommendations

- The provincial government make a planned and funded commitment to expand broadband network into under-served and rural areas of BC to support access to e-learning services by rural and aboriginal populations of BC
- Facilitate First Nations communities' connections to existing provincial e-learning resources e.g. Provincial Learning Network, Electronic Library Network
- Universal high speed/broadband access for all BC First Nations
- There has been much spent on infrastructure in FN communities but primarily in uncoordinated efforts (schools, health, police, band councils, nearly non-FN communities). Coordination is essential for good use of resources (and decreasing waste). E-learning champions are needed at all levels and all departments/ministries who are given the mandate and authority to coordinate efforts.

2. LEADERSHIP

Issue

- Government lacks a clearly articulated and well understood e-learning vision and strategy to build a sustainable e-learning model:
- Leadership is not evident which leads to inconsistent funding for development, fragmented effort and considerable duplication
- There is a trust issue between First Nations and provincial/federal government.
- Currently, government's process/program for FN communities is delivered as a top-down approach (very little/no FN community involvement).

Recommendations

- Create a definition and vision with First Nations (inclusion, participation, relationships) for consensus building that recognizes traditions and has a process that recognizes every learner is unique (need for large First Nations focus)
- Develop focus groups within First Nations to develop, identify, and deepen leadership from within the community. Build capacity by fostering leadership from within First Nations local communities (sensitivity to cultural issues critical – community must own this).
- Encourage elders to create progressive policy to facilitate the development of e-learning strategies and solutions
- Provide exposure to First Nations youth to information communications technologies to develop leadership capacity among First Nations youth
- Develop inter-nation interest groups to determine/advance common e-learning applications

3. RESOURCES

Issue

Limited resources (funding and human resources) to create an e-learning environment which includes creating an understanding of what e-learning is and its potential.

Recommendations

- Research and development for:
 - Examining best practices for First Nations learners in an online environment
 - Developing an inventory of appropriate e-learning resources and resource potential
- Identify community champions and increase community awareness of e-learning by:
 - Sponsoring a forum at which First Nations communities can send local champion to learn about benefits of e-learning (and support mechanisms for implementation) and take back to their communities
 - Developing long-term policies/strategies that use e-learning to address cultural issues (cultural development, preservation of language) and maintain connections to home communities even if people leave them
 - Set up cooperative mentoring system to train First Nations people to create locally relevant e-learning
 - Facilitate sharing of best practices among First Nations communities

4. CONTENT DEVELOPMENT

Issue

Funding for content development is lacking inclusion of cultural components.

Recommendations

- Government provide support for content development, determined by and in partnership with aboriginal people, and reflecting their needs
- Need framework and delivery channel designed and led by First Nations that includes: cultural identity and language, typical curriculum contextualized by/for First Nations
- Establish intellectual copyright and guidelines
- Government to provide policy and resources to support a First Nations oversight of:
 - Standards or guidelines for 'relevance' that apply to K-12 and post secondary content
 - Decentralized content development – put tools in the hands of the learner
 - Accountability or quality mechanisms for evaluation and improvement
- Ensure special education is a core component in e-learning delivery

5. STUDENT SUPPORT

Issue

There are inadequate mechanisms for student support:

- There is limited community support to create a viable e-learning environment.
- Information/computer literacy skills need to be enhanced for learners.

Recommendations

- The Ministry of Education requires each school to have a qualified educational technology resource teacher to assist students, teachers and parents, and involve students in content development and provision

- Ensure enhancement agreements involve extended family and parents in students' support

6. PROFESSIONAL DEVELOPMENT

Issue

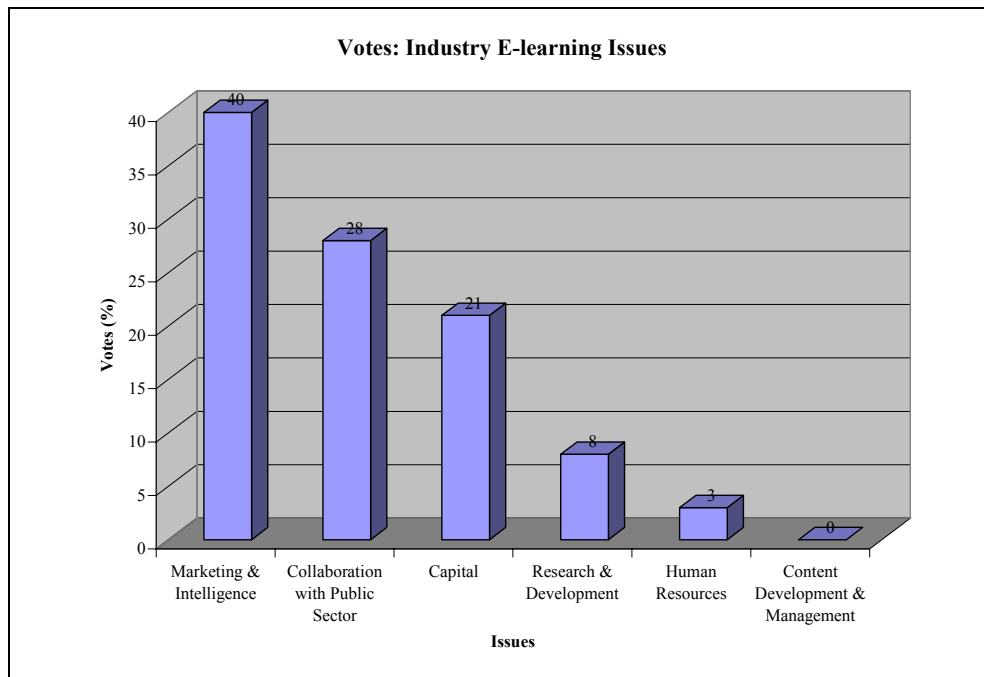
There is a lack of educators trained to deliver online courses effectively.

Recommendations

- Setup and fund a centralized group of “online coaches”, similar to First Peoples Cultural Foundation. These “coaches” would train and provide support to individual bands.
- All teacher education programs should have a technology utilization and online learning component. Incentives should be available for FN Bachelor of Ed students to become experts in online education (good mentors).
- Fund Band operated schools on par with public school funding

INDUSTRY

63 votes were cast on industry e-learning issues. The results are shown below:



1. MARKETING AND INTELLIGENCE

Issue

The potential to develop a vibrant e-learning industry in British Columbia is considerable but it is currently quite small with most companies at the start-up stage. Support mechanisms are needed:

- for accessing US and other international markets.
- to gather intelligence on industry trends, directions, structure and offerings.
- to foster collaboration amongst local companies.

Recommendations

- Use “Leading Edge BC” to promote BC e-learning expertise and products internationally
- Government support a “champion” for e-learning who is independent of any ministry, with the following responsibilities:
 - Develop a critical mass in industry (stimulate a sustainable industry)
 - Educate government about e-learning industry and vice versa
 - Facilitate collaboration between government and e-learning industry
 - Promote BC’s e-learning industry to BC and the world
 - Identify/create opportunities for industry consortium activities
 - Focus on building e-learning industry in BC as a brand
 - Create BC ‘showplace’ to model effective e-learning strategies and promote BC BC “leading edge” products and solutions
- Vest New Media BC with the responsibility to continue providing that market and intelligence and provide it with the requisite resources
- Vest E-learning BC with the responsibility to market the industry, ensuring that it is inclusive and encompassing

2. CAPITAL

Issue

Capital and investment issues inhibit the growth of e-learning companies:

- There is a shortage of investment capital, including venture capital.
- There is very limited e-learning expertise in fund management companies.
- Lack of clarity concerning new media tax credit excludes some e-learning companies.

Recommendations

- Further tax breaks for e-learning companies to attract investment capital i.e. improve/increase access to tax credits for e-learning investments (tax incentives for venture capitalists)
- Develop e-learning literacy/understanding amongst venture capitalists
- Support E-Learning BC association for internal improvements of members’ business plans and understand global market
- E-learning venture capital fund and awareness

3. HUMAN RESOURCES

Issue

There is a shortage of employees with good content development skills.

Recommendations

- Establish an employee training and development initiative in e-learning

4. RESEARCH AND DEVELOPMENT

Issue

There is inadequate funding for e-learning research and development.

Recommendations

- Provide tax incentives for industry to conduct its own research and development
- Fund collaborative research and development projects to ensure public and private sector participation and support growth of BC-based technology
- Define educational and technical standards ("best practices") to ensure compatibility
- Provide funding and mechanism to increase communication and dissemination of research needs, findings and partnership opportunities
- Support common applied research, perhaps in a particular area of research each year (such as tools and applications to teach math – online interactive math editor) and also cost share field studies which are expensive but critical
- Link small and large companies for collaborative research and development
- Creation of a research and development body to analyze the issues and coordinate with government on policy development
- Establish a provincial research and development fund to support growth of BC-based technologies
- Find a niche for R&D (it should be market driven)

5. CONTENT DEVELOPMENT AND MANAGEMENT

Issue

- Subject expert copyright & ownership issues - getting compensated/credited for work that ends up in public domain.
- Need a vehicle to credential private sector products for delivery of world-class online curriculum.
- There's a need to aggregate content and sell it as a package.

Recommendations

- Implement standards for content development and provide support through research and development to products that conform to these standards
- The government should call together a forum of experts to review and address issues of standards for content development and management

6. COLLABORATION WITH PUBLIC SECTOR

Issue

There is no real cooperation between the public sector, academia and industry to develop a coherent strategy to form an economic cluster in e-learning:

- Industry and public sector need to work together to help develop the industry.
- Lack of public awareness and acceptance of e-learning.
- Greater public use of BC products.
- There is need for a centralized organizing body for training, development, maintenance and delivery of world-class, quality standards, online curriculum.

Recommendations

- Encourage more public/private partnerships by providing grants to “best-of-breed” collaboration efforts
- Create a communication strategy to promote and showcase BC products and services
- Appoint an e-learning champion within government (preferably with an Industry portfolio) to focus attention on support for e-learning sector
- Assign a taskforce (public and private members) to analyze/define:
 - Collaboration model
 - Policy impediments/opportunities
 - Investigate competition/marketing opportunities
 - Foster innovation
 - Government procurement policy
 - The task force should look at these issues for K-12, post-secondary, First Nations, industrial training, e-learning industry
- BC government to use (give priority to) BC-created products and systems
- Utilize existing PPP networks such as New Media BC, BC Campus, BC Ed Online, TUPC (The University President’s Council)
- E-learning industry champion within government (industry portfolio) to coordinate and align K-12, post-secondary, First Nations and industry efforts towards a competitive strategic action plan for BC.
- Government education exchange: partnerships between industry supplies and public sector institutions, forums show-casing the e-learning industry

ROUNDTABLE ATTENDEES

Kevin Amboe, President
Computers Using Educators of BC

Don Avison, President
The University Presidents Council of BC

Dr. Kathryn Chang Barker, President
FuturEd Consulting Education Futurists Inc.

Pauline Bennison, Department Head - Online
Developer & Instructor
College of the Rockies

Lynda Brown, Executive Director
New Media BC

Randy Bruce, Operations Director
BCCampus

Mark Bullen, Director - Distance Education &
Technology
University of British Columbia

Chris Bywater, FN School Net
Industry Canada

Brent Calvert, Regional Manager
PLATO Learning

Jim Cambridge, Director
School District #62 – Sooke

Jean Campbell, Associate Director - Student
Development
Camosun College

Tom Calvert, Director - Centre for Scientific
Computing
Simon Fraser University, Surrey

Barry Carbol PhD, Senior Vice President & CEO
MERIT Learning Corporation

Kevin Carter, Director - Technology & Learning
Support
Camosun College

Peter Choi, Online Education Consultant
Children's & Women's Health Centre of BC

Sharon Cohen, Director of Instruction
School District #36 – Surrey

Joanne Curry, Director
Simon Fraser University - Surrey Campus

Judy Dallas, Co-ordinating Principal
School District #39 - Vancouver/Distance
Education School Consortium

Beth Davies, Vice President - Education
Northwest Community College

Philip Djwa, First Nations SchoolNet Coordinator -
BC
First Nations Education Steering Committee

Sue Doner, Senior Program Coordinator -
Distance Education Services
University of Victoria

Patrick Duncan, Principal - Cowichan Secondary
School
School District#79 - Cowichan Valley

Charlotte Elliott, Education Director
Chemainus First Nation

Elaine Ferguson, Training Coordinator
SET-BC

Vivian Forssman, Manager - Web & Collaborative
Services
BCIT

Derek Francis, Vice President
Kwantlen University College

Daniel Gallagher, Teacher
School District #63 – Saanich

Allan Gameau, Principal
Traditional Learning Academy

Cindy Gauthier, Principal
Greater Vancouver Distance Education School

Louis Giguere, Provost - Dean of Arts & Science
BC Open University

Ellen Godfrey, Vice President - Government
Sector
Navigata Communications

Chris Golding, Director - Learning Resources Unit
BCIT

David Gory, Principal - Gold Trail Open Learning Program
School District #74 - Gold Trail

Marilynne Miles Gray, Vice President
Mentoring Solutions Inc.

David Gregg, Vice Principal
School District #91 - Nechako E-Bus Program

Budd L. Hall, Dean of Education
University of Victoria

Doug Hamilton, Director - Masters in Distributed Learning Program
Royal Roads University

Liz Hammond-Kaarrema, Director Research Services
Malaspina University College

Sue Hanley, Technology Coordinator
First Nations Summit

Cecelia Harris, Education Co ordinator
Penelakut Tribe

Dr. Pat Henman, Assistant Director - Career Technical Centre
School District #34 - Abbotsford

Daniel Hill, Director of Development
Native Education Centre

Ian Humphreys, President
Nortia Technologies Inc.

Joe Jamison, Project Manager
School District #23 - Central Okanagan

Gary Karlsen, Vice President eLearning
Magic Lantern Group, Inc.

Dr. David Kaufman, Professor - Faculty of Education
Simon Fraser University

Dr. Wesley J. Koczka, Dean - Division of Continuing Studies
University of Victoria

Dr. Lyn Korella, Director - ITP
School District #61 - Greater Victoria

Larry Kuehn, Director of Research & Technology
BC Teachers' Federation

Brian Kuhn, Manager Information Services
School District #43 – Coquitlam

Randy LaBonte, Director of Sales
Odyssey Learning Systems Inc.

Philip Laird, Assistant Dean - Global Learning Connections
Trinity Western University

Michelle Lamberson, Director - Learning Technology
University of British Columbia

Gladys Latty, Associate Dean
North Island College

Bill Lawrence, Principal
School District #58 - Nicola-Similkameen

David Le Blanc, Teacher
School District #41 – Burnaby

Lynn Leboe, CEO
Leboe & Grice Multimedia

Dave Lee, Principal
School District #22 – Vernon

Ray Lemoigne, Principal - Nechako E-Bus Program
School District #91 - Nechako Lakes E-Bus Program

Aileen Lew, Principal
School District #35 - Langley

Frances Long, Virtual Team Leader
knowplace.ca

Kathleen Lowe, Communications Director
GeoMetrix Data Systems Inc.

Gay Ludlow, Director & Producer
Triad Communications Ltd.

Shawn Mabey, Principal
Fluid Perception Media Inc.

Bob Macdonald, Senior Partner
Bridge Learning Technologies Inc.

Barrie Macleod, Teacher
School District #45 - West Vancouver

Garnett MacMullin, President
Tritone Corporation

Ron Marteniuk, Director, eLearning Innovation
Centre
Simon Fraser University, Surrey

Stacy Marusic, Vice Principal
School District #68 - Nanaimo-Ladysmith

Christine Massey, Manager - Public Institution
Branch
Ministry of Advanced Education

Ramona Materi, President
Ingenia Training

James McConville, Online Learning Coordinator
School District #43 – Coquitlam

Don McIntosh, President
Trimeritus eLearning Solutions Inc.

Ken McLeod, Head Teacher - Mission Adult
Learning Centre
School District #75 - Mission

Eric McMahon, Principal/Project Administrator
School District #79 – Chemainus

Al Mctavish, Account Executive, Education
Apple Computer Inc.

Bruce Mills, Director of Curriculum & Technology
School District 34 – Abbotsford

Tim Mock, President
TM NewMedia Inc.

Paul Montgomery, Principal
South Central Interior Distance Education School

Susan V. Morrison, MFA Educational
Technologist & Project Manager of On-Line
Division
Malaspina University College

Roger Mundell, Director - Technology Transfer &
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