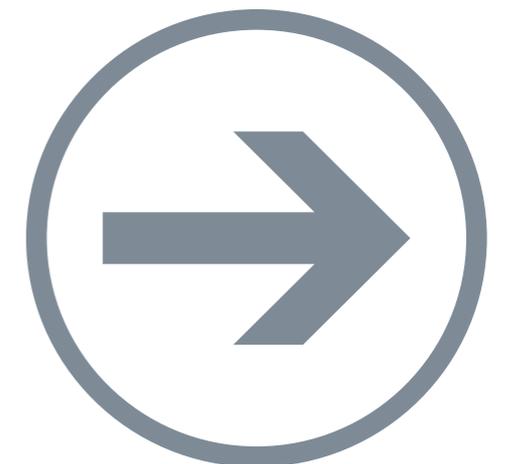


Creating a sustainable infrastructure for online learning

David Porter
Executive Director
BCcampus.ca

Vancouver, BC, Canada
www.bccampus.ca



Welcome to Vancouver

 Our knowledge grows daily about

 Online learning

 Communities of practice

 Performance support

 Knowledge management

Conferences such as E-Learn05 provide us a gauge against which to measure our knowledge in the learning and training domains

E-Learn05 also allows us to see how learning and training strategies develop in different contexts and climates

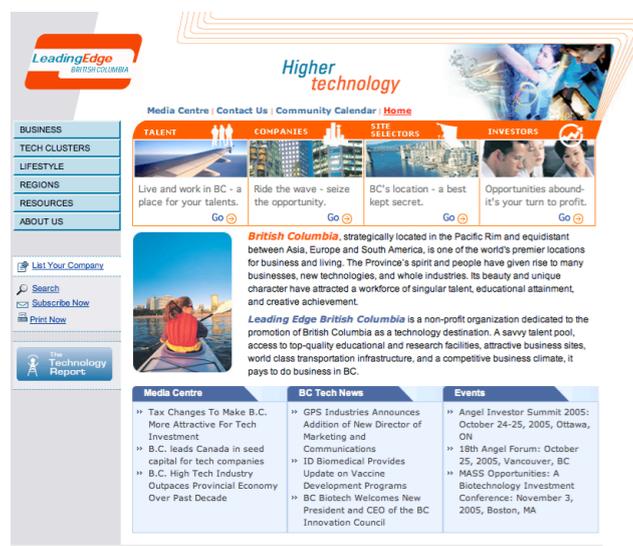


Welcome to British Columbia

- ❖ **Canada's Pacific Rim province**
- ❖ **Home to 26 autonomous, public post-secondary institutions, widely separated by severe geography**
- ❖ **Universities, colleges, technical institutes, art schools**
- ❖ **Institutions that are all active in the use of e-learning as a program and course delivery strategy**



Vibrant knowledge community



The screenshot shows the Leading Edge BC website interface. At the top, it features the 'Leading Edge BC' logo and navigation links for 'Media Centre', 'Contact Us', 'Community Calendar', and 'Home'. Below this is a 'Higher technology' banner with four columns: 'TALENT' (Live and work in BC - a place for your talents), 'COMPANIES' (Ride the wave - seize the opportunity), 'SITE SELECTORS' (BC's location - a best kept secret), and 'INVESTORS' (Opportunities abound - it's your turn to profit). A central article titled 'British Columbia, strategically located in the Pacific Rim and equidistant between Asia, Europe and South America...' is featured. At the bottom, there are three columns of news: 'Media Centre' (Tax Changes To Make B.C. More Attractive For Tech Investment), 'BC Tech News' (GPS Industries Announces Addition of New Director of Marketing and Communications), and 'Events' (Angel Investor Summit 2005: October 24-25, 2005, Ottawa, ON).

NEW MEDIA BC

 where knowledge prospers.



The banner features a silhouette of a person standing on a globe with arms outstretched. A navigation menu is visible in the bottom right corner:

- introduction
- capabilities
- why buy BC
- faq
- our members
- our history
- contact

From the needs of schools and universities to the needs of corporations, virtual classrooms to virtual studios, content development tools to learning management systems, eLearning BC has the breadth of knowledge you need.

-  E-Learning is high on the technology agenda of government
-  History of high-tech success stories
-  We have proactive and supportive marketing agencies and associations

 Leading Edge BC

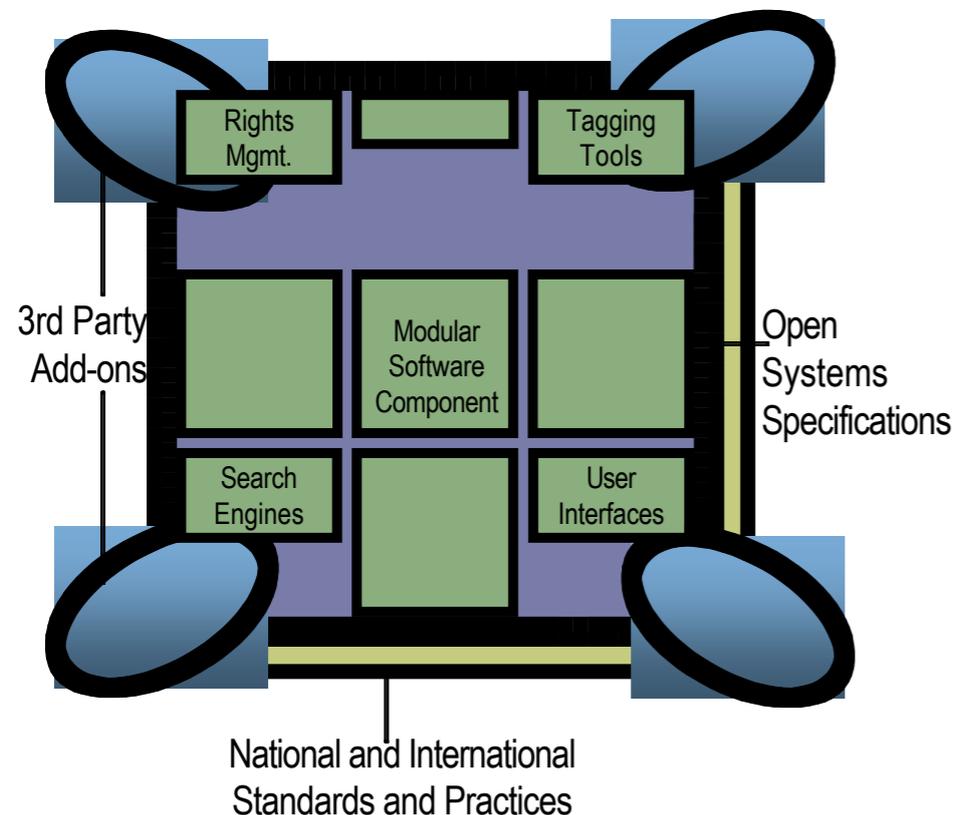
 NewMedia BC

 eLearningBC

E-Learning research abounds



CANADIAN NETWORK
OF LEARNING OBJECT REPOSITORIES



Research agenda

 Use, reuse, and reengineering of digital knowledge resources

 National projects

 LORNET



VANCOUVER 2005
 2nd Annual Scientific Conference - LORNET Research Network
I²LOR-05
 November 14th -18th, 2005, Simon Fraser University, Vancouver
 Intelligent, Interactive, Learning Object Repositories Network

I2LOR 2005 - VANCOUVER : November 14 – 18, 2005
 E-Learning for the Future:
 From Content to Services

Online learning is Up here too



http://www.sloan-c.org/resources/entering_mainstream.pdf

- There is phenomenal growth worldwide
- US higher education statistics show an upward trend of 20% growth per year (Sloan-C data for 2003, 2004)
- In Canada, the statistics are similar or higher in British Columbia (Advanced Education data, 2004)
- Growth brings increasing pressure for performance gains

Learner expectations are also up

 The Net has produced expectations for

 choice

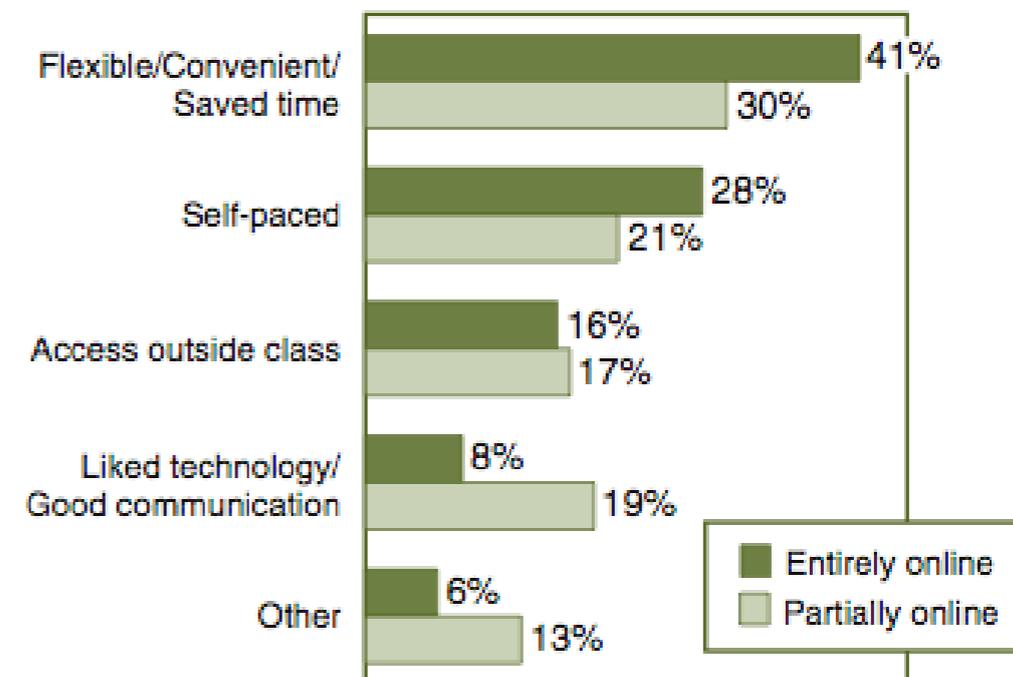
 flexibility

 immediacy

 responsiveness

 service

Of the respondents who made positive comments, many said they liked the flexibility and convenience of online courses



http://outcomes.bcstats.gov.bc.ca/Publications/collegereports/issue_distance.pdf

Particularly with the net gen

- ❏ Is there a need to retune our instructional practices?
- ❏ By observing the habits and practices of youth and relating them to the needs of learners within our organizations
- ❏ By rethinking content use, reuse, and reengineering practices



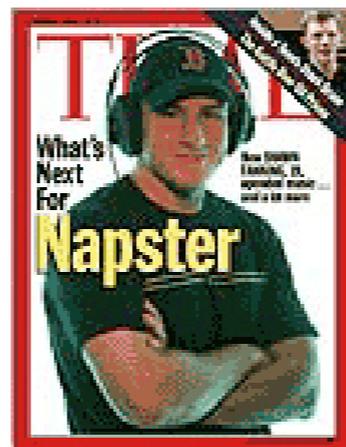
RESEARCH. REVIEW. REMIX.



Lessons from the web gen

“... his program does everything a Web application is supposed to do: it builds community, it breaks down barriers, it’s viral, it’s scalable, it disintermediates ...”

TIME Magazine, October 2, 2000



What began as a threat to intellectual property has spawned a multimillion dollar business based upon packaging and micro-commerce models that work for the websters



THE CHRONICLE OF HIGHER EDUCATION

Today's News

Friday, October 21, 2005

Stanford U. Makes Podcasts of Lectures, Games, and Music Available Through Apple's iTunes

Think differently - expansively

Other lessons from the web generation

Peer-to-peer computing

Users like to try before they buy

Interoperability

Users like to buy by the piece

Collaborative tools

Users like mix and match

Self-publishing

Users like to reshape and repurpose materials

Self-managed collections

Users want to share

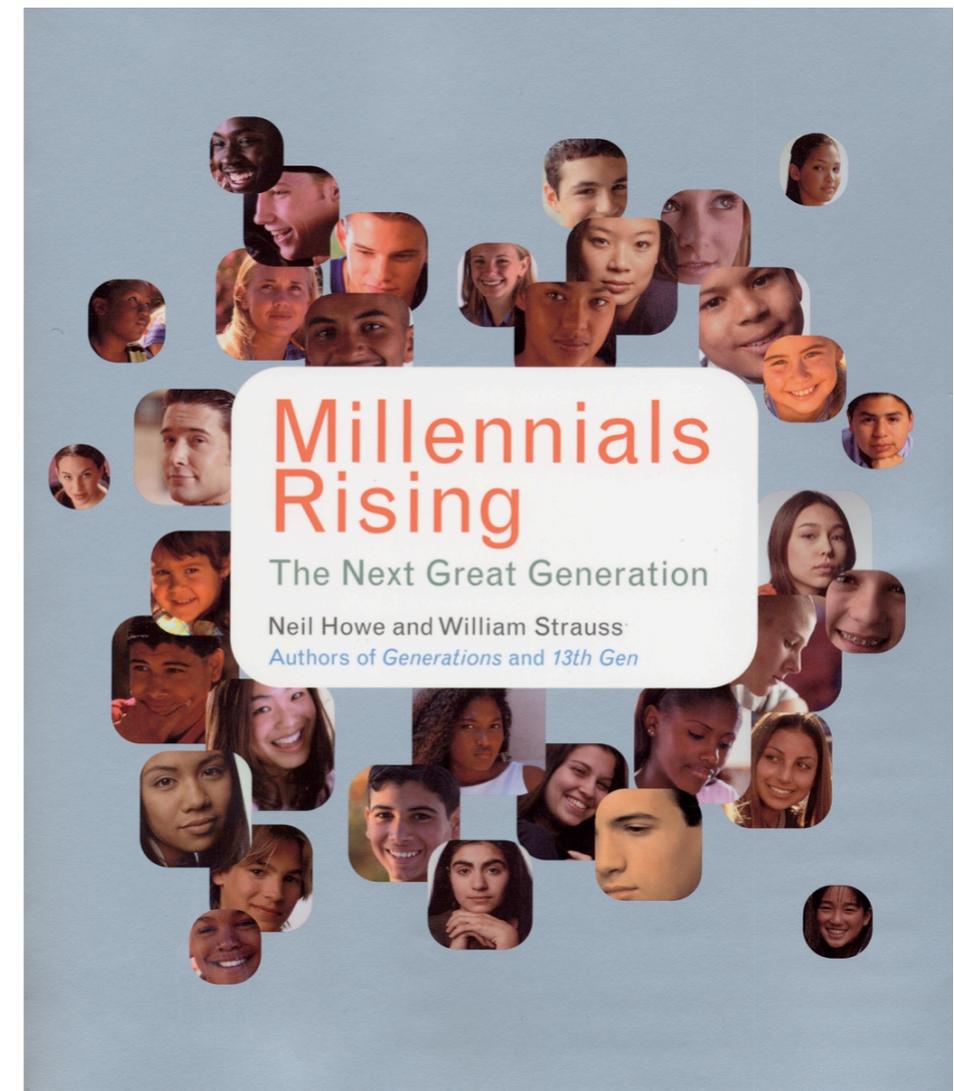
Users like to publish their own “mixes”



Millennial habits to note

Howe & Strauss (2000)

- 🍯 Learners of this generation are more web savvy than their parents (supervisors or instructors)
- 🍯 Learners of this generation are more social learners than their parents' (managers' or instructors') generation
- 🍯 Statistics on Internet use map out these trends



And, there's more to know

- ❖ New social and cultural trends related to technology, communication, learning, and knowledge management are also emerging
 - ❖ Open Source thinking
 - ❖ Open Access thinking
 - ❖ Community Source thinking



Sustainability is a looming issue

- ❖ **As online education becomes mainstream**
- ❖ **Support requirements are increasing and becoming more sophisticated**
- ❖ **Support systems may also be pushing institutions into areas beyond their core competencies**

IMPLICATIONS FOR

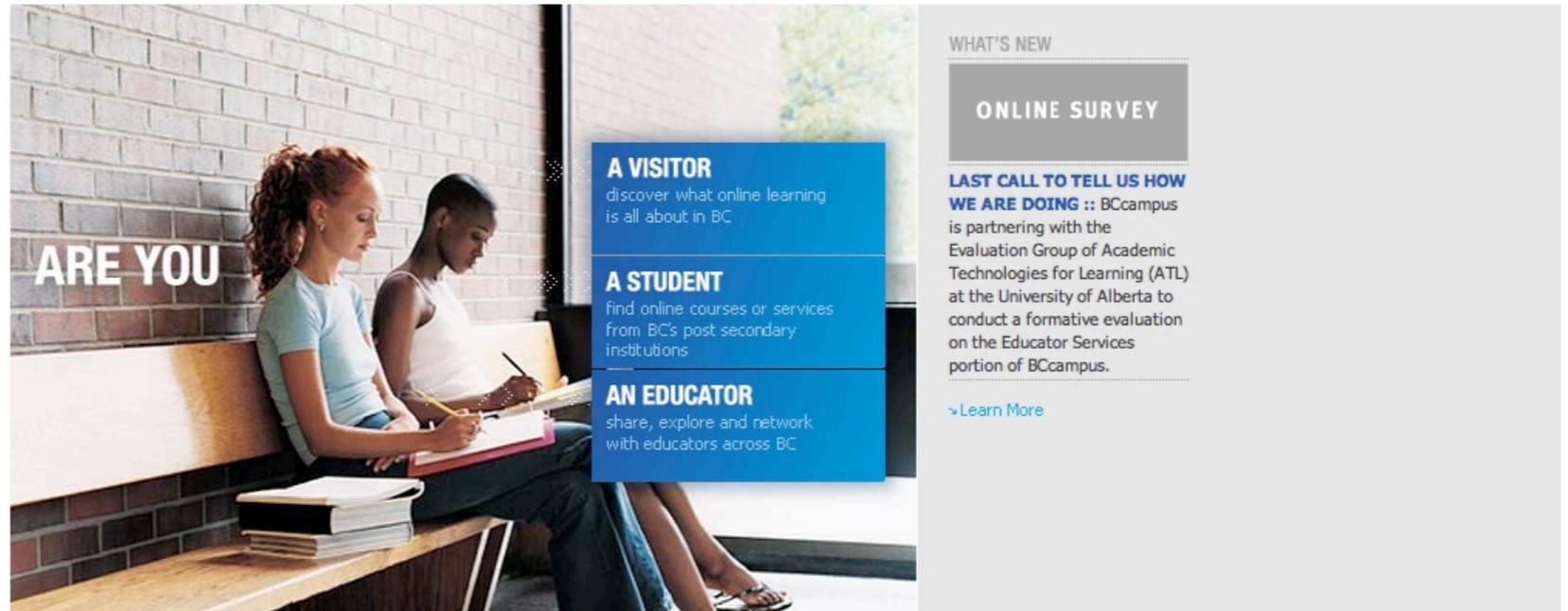
Faculty
Instructors
Developers
Student services
Technical systems
Libraries
Policy
Governance



BCCampus is a service aggregator

-  An “*Expedia*” for learners across 26 institutions
-  Access and mobility
-  Choice and flexibility
-  Single, system-wide sign-on for program information, advising, course delivery, and library services

 BCCAMPUS.CA



The screenshot shows the BCCampus.ca homepage. At the top right, there is a search bar with the text "Search BCCAMPUS.ca" and a "Text size" control. Below the search bar are links for "MY BCCAMPUS" and "LOGIN TO COURSES". The main content area features a large image of two students sitting on a bench, with the text "ARE YOU" overlaid. To the right of the image is a "WHAT'S NEW" section with a "ONLINE SURVEY" heading. Below this, there is a "LAST CALL TO TELL US HOW WE ARE DOING" announcement regarding a partnership with the Evaluation Group of Academic Technologies for Learning (ATL) at the University of Alberta. A "Learn More" link is provided below the announcement.

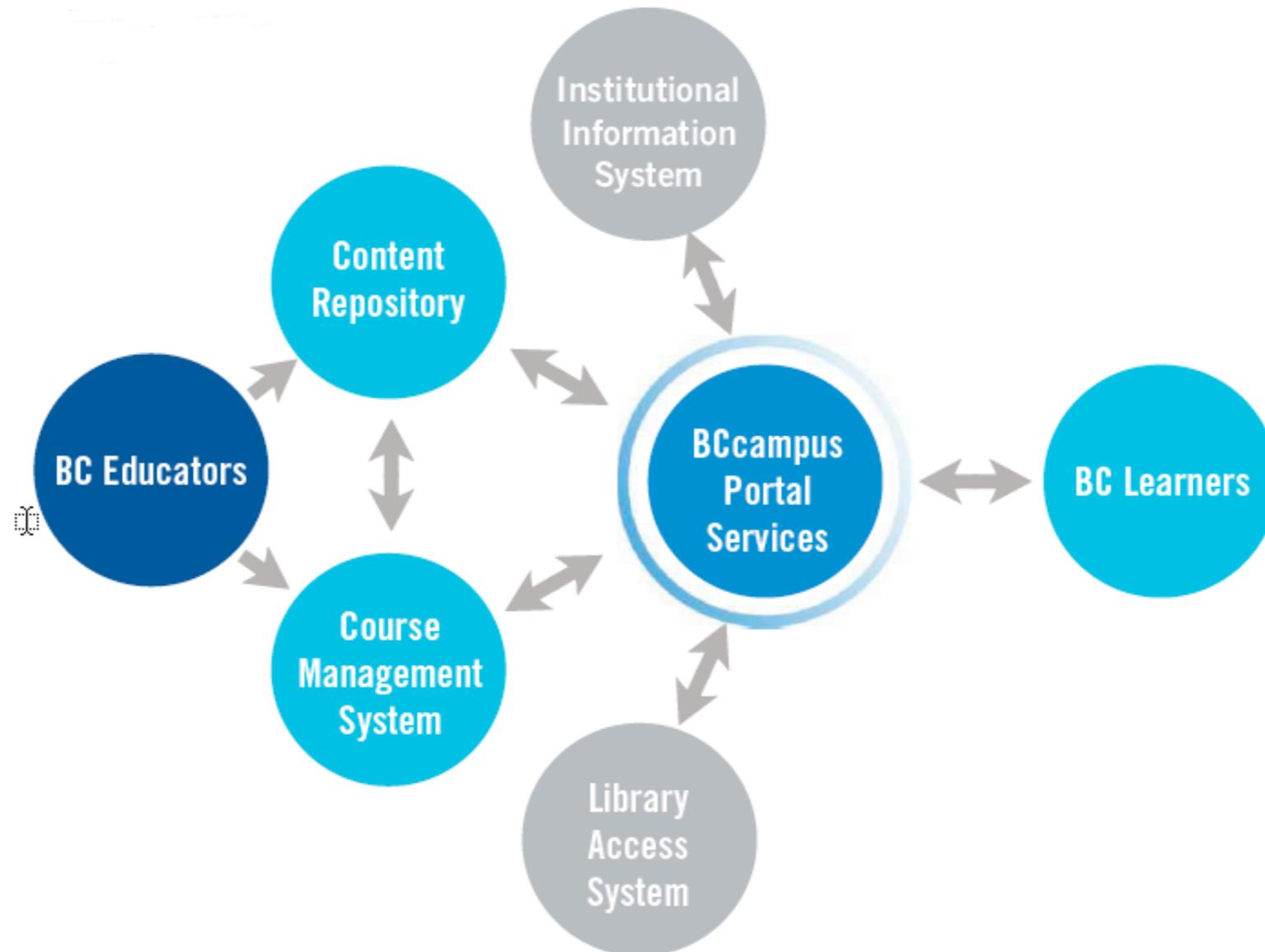
[Full Listing of participating Post-Secondary Institutions](#)



[legal](#) [glossary](#) [contact BCCAMPUS](#) [sitemap](#) [FAQ](#) [Helpdesk](#)

BCcampus ecosystem

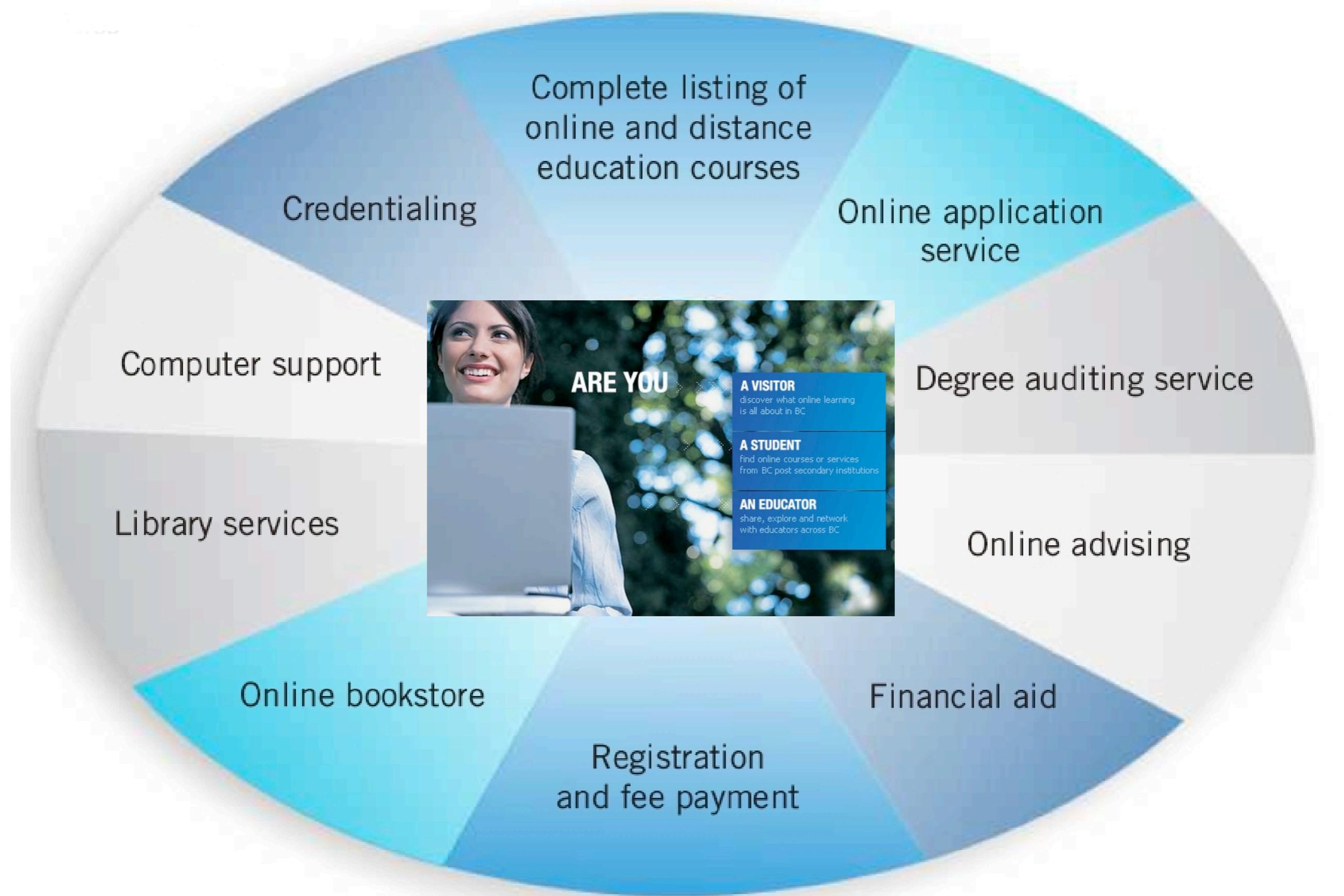
- Public
- Learners
- Institutions
- Faculty
- Administrators
- IT staff
- Policy makers
- Governance bodies



KEY TASK

Identify, communicate, implement, and measure a value proposition that resonates with each stakeholder group





ARE YOU

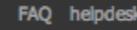
- A VISITOR**
discover what online learning is all about in BC
- A STUDENT**
find online courses or services from BC post secondary institutions
- AN EDUCATOR**
share, explore and network with educators across BC



We facilitate access to services

Text size:  Search BCCAMPUS.ca 

 VISITORS :: STUDENTS :: EDUCATORS :: GATEWAY TO PORTAL ::

> BCCampus Home Page > Students > How Does BCCampus Work? 

STUDENTS

Programs and Courses

How Does BCCampus Work?

+Student Surveys

Getting Started With Your Education

How to Become an Online Learner

Student Services

About BCCampus

How Does BCCampus Work?

You, the learner, will register with your [home institution](#). Through BCCampus, you can access services, resources, and (most importantly) online courses from any number of participating institutions. Easy access to online courses will get you through your chosen program quickly and efficiently.

Currently BCCampus uses WebCT as its primary course management software. As BCCampus develops, we will integrate other course management software programs in the future. There are numerous quality resources to help students use the WebCT course platform and become better online students. The [WebCT orientation](#) will provide you with the information you will need to get started.

In addition, you have access to the Online Learner Community. This is an online community that offers you and other students a rich environment for collaboration, general interest, and special event use. Tools such as calendars, discussions, live two-way voice and video chat, as well as instant messaging are available. This provides students in online academic programs with a more fully online "campus" experience. Give it a try by selecting BCCampus Online Learner Community on the right hand side! Just remember to sign up using the email address given to you by your school.

- EducationPlanner.bc.ca
Post-Secondary Options in BC
- Post-Secondary Application Service of British Columbia
Online Application Form for BC's institutions
- Online Program and Course Finder
Search all online post-secondary courses offered in British Columbia
- BC Student Assistance Program Online
Financial Aid for BC Students
- Canada Student Loans
National Student Loan Service Centre for Canadians
- BCCampus Online Learner Community

 Course and Program Information

 Advising

 Admission

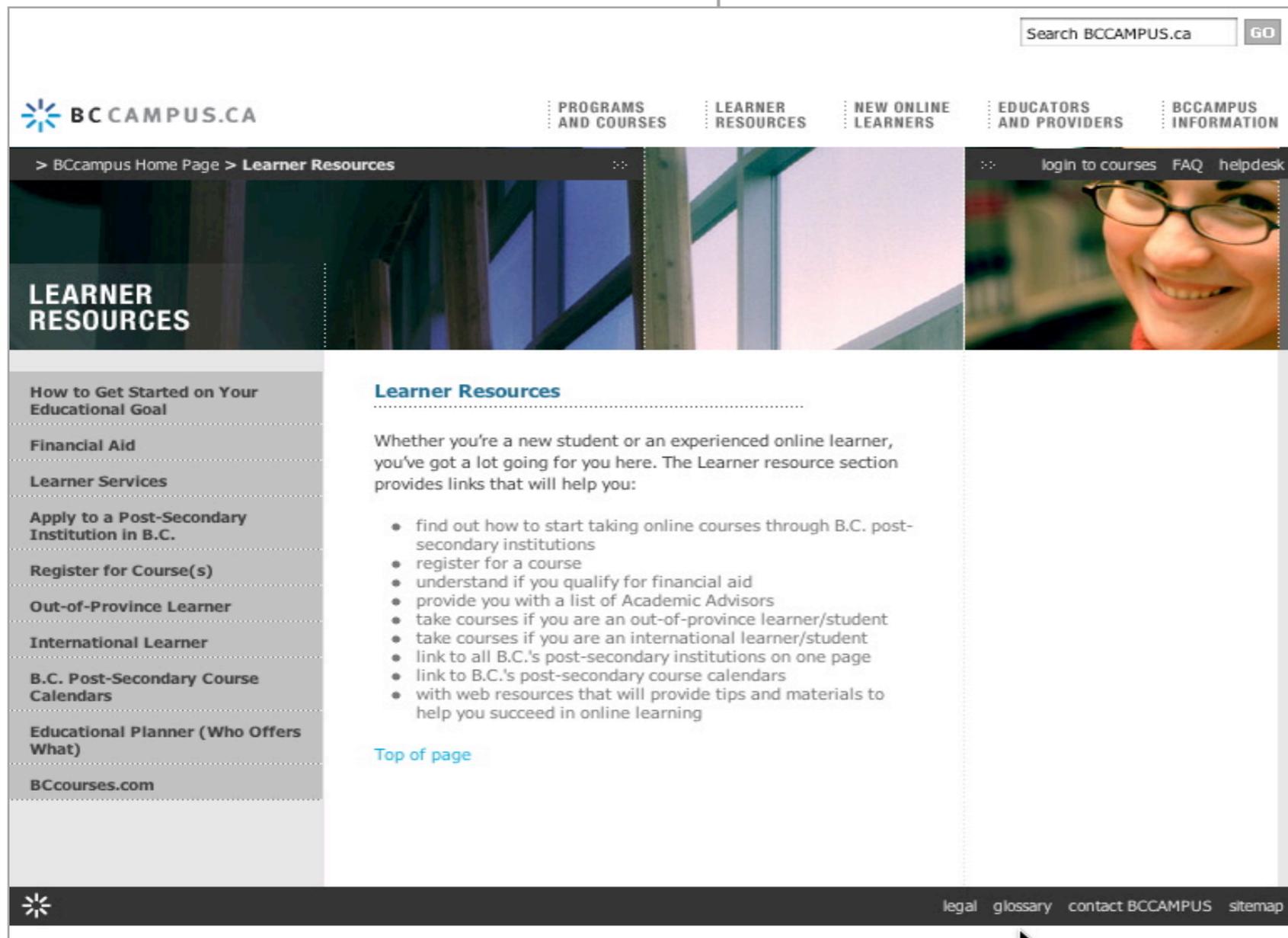
 Registration

 Financial Aid

 Library

 Course Delivery

In harmony with key principles



The screenshot shows the BCCampus.ca website interface. At the top, there is a search bar with the text "Search BCCAMPUS.ca" and a "GO" button. Below the search bar is the BCCampus.ca logo and a navigation menu with links for "PROGRAMS AND COURSES", "LEARNER RESOURCES", "NEW ONLINE LEARNERS", "EDUCATORS AND PROVIDERS", and "BCCAMPUS INFORMATION". The main content area is titled "LEARNER RESOURCES" and features a sidebar on the left with links such as "How to Get Started on Your Educational Goal", "Financial Aid", "Learner Services", "Apply to a Post-Secondary Institution in B.C.", "Register for Course(s)", "Out-of-Province Learner", "International Learner", "B.C. Post-Secondary Course Calendars", "Educational Planner (Who Offers What)", and "BCcourses.com". The main content area includes a heading "Learner Resources" and a paragraph: "Whether you're a new student or an experienced online learner, you've got a lot going for you here. The Learner resource section provides links that will help you:". Below this paragraph is a bulleted list of resources:

- find out how to start taking online courses through B.C. post-secondary institutions
- register for a course
- understand if you qualify for financial aid
- provide you with a list of Academic Advisors
- take courses if you are an out-of-province learner/student
- take courses if you are an international learner/student
- link to all B.C.'s post-secondary institutions on one page
- link to B.C.'s post-secondary course calendars
- with web resources that will provide tips and materials to help you succeed in online learning

 At the bottom of the page, there is a footer with links for "legal", "glossary", "contact BCCAMPUS", and "sitemap".

 **Learners have service interactions in real-time with teaching institutions**

 **Institutions manage their own admission, registration, and academic processes**

 **Institutions manage their own branding**

We work with system partners

EDUCATIONPLANNER.BC.CA
EXPLORE YOUR POST-SECONDARY OPTIONS IN BC.

home | program search | for students | for educators | sitemap | comments

About Education Planner
Education Planner is endorsed by the public post-secondary institutions of BC, managed by the BC Council on Admissions and Transfer, and funded by the BC Ministry of Advanced Education.

Program search
Information on undergraduate program availability, application dates, tuition costs, admission requirements, lengths, and much more at BC's 27 public post-secondary institutions.

To begin, select a search filter:

- field of study
- subject area
- length of program
- region
- institution
- credential level
- credential

Focus Now
Program searching by focus area for grade 10-12 BC secondary students:
get started ...

Apprenticeship
Information on BC's apprenticeship and pre-apprenticeship programs:
Pre-Apprenticeship program search
Apprenticeship Information & Contacts

Also check out...
Other websites of interest:
BC Transfer Guide
PASBC
BCcampus
BC WorkFutures
Student Outcomes

Announcements
Education Planner will be involved in several events over the next couple of months. These events include the Career Management Association Conference, the

Hey you!
Learn more about:
Advisors and Counsellors

BCCAT Education Planner

BCCAMPUS.CA | GATEWAY TO PORTAL

Text size: [+] [x] [−] | Search BCCAMPUS.ca

WHAT'S NEW

ONLINE SURVEY

TELL US HOW WE ARE DOING :: BCcampus is partnering with the Evaluation Group of Academic Technologies for Learning (ATL) at the University of Alberta to conduct a formative evaluation on the Educator Services portion of BCcampus.
Learn More

ARE YOU

- A VISITOR**
discover what online learning is all about in BC
- A STUDENT**
find online courses or services from BC's post secondary institutions
- AN EDUCATOR**
share, explore and network with educators across BC

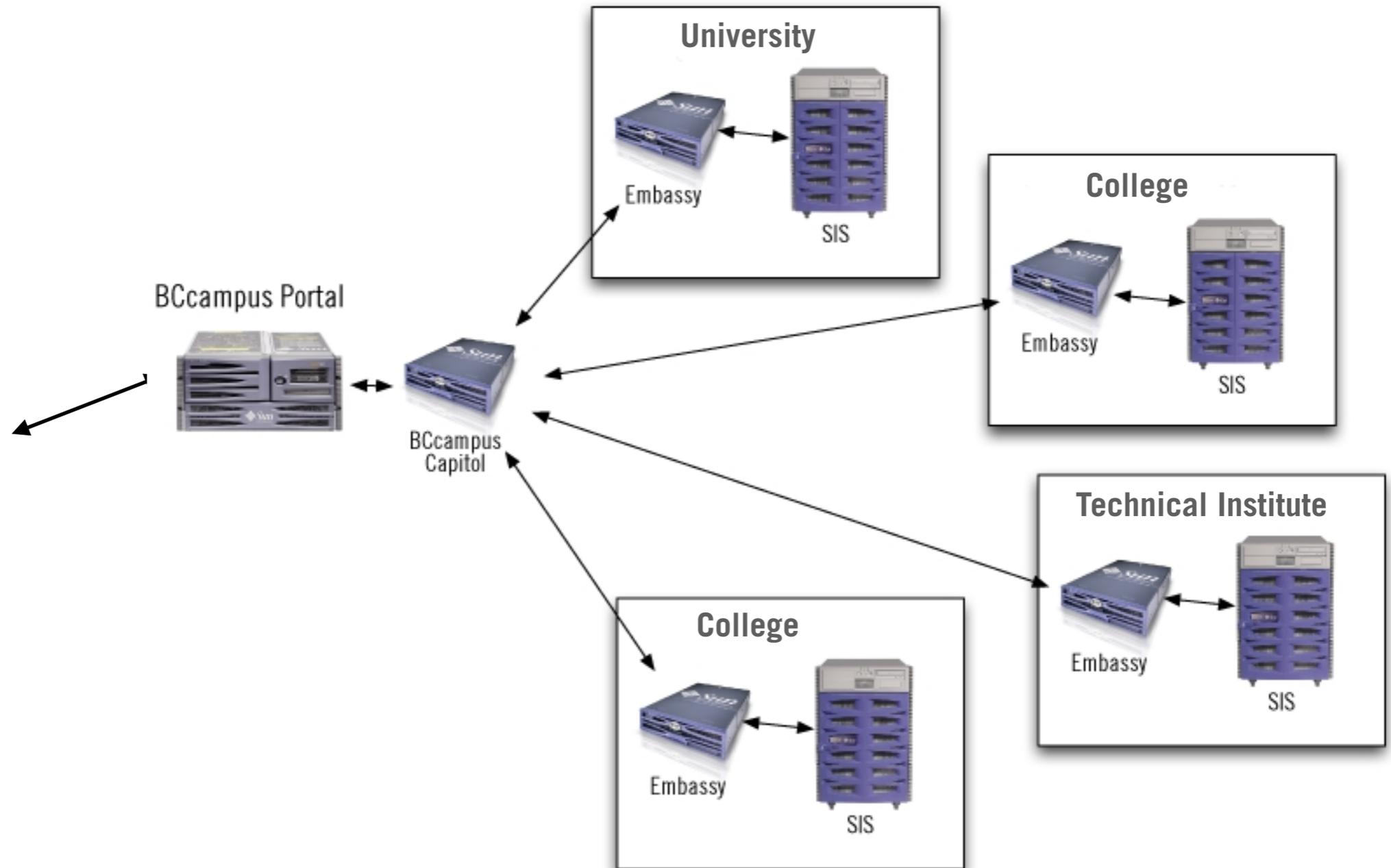
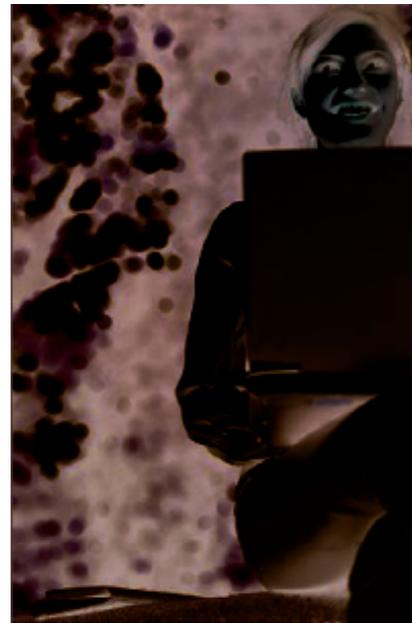
Full Listing of participating Post-Secondary Institutions

legal | glossary | contact BCCAMPUS | sitemap | FAQ | Helpdesk

BCcampus Web Site

We enable real-time services

Students



Members drive key processes



Welcome **Guest** to myBCcampus Online Courses & Services

[Login](#) [Forgot your password?](#)

[Welcome](#) |
 [Create an Account](#) |
 [Select Province-wide Programs](#) |
 [Select Institutional Courses](#) |
 [Apply for Admissions](#)

Welcome to myBCcampus



Students

Create a myBCcampus account to access:

- course and program listings
- admission to institutions
- chat online with an advisor
- simple online registration
- access to online courses
- access to an online library
- online student community

What's New?

Chat with other students! Join the online student community. Coming soon in mid-March, 2005.

Easter Holidays - March 25 - March 28, 2005.

Copyright (c) 2005 BCcampus

helpdesk@bccampus.ca or call toll free 1-866-443-4447

 **Students** become authenticated as learners *in good standing* with BC post-secondary institutions

 **Educators** are authenticated for access to community of practice services

Members initiate activities

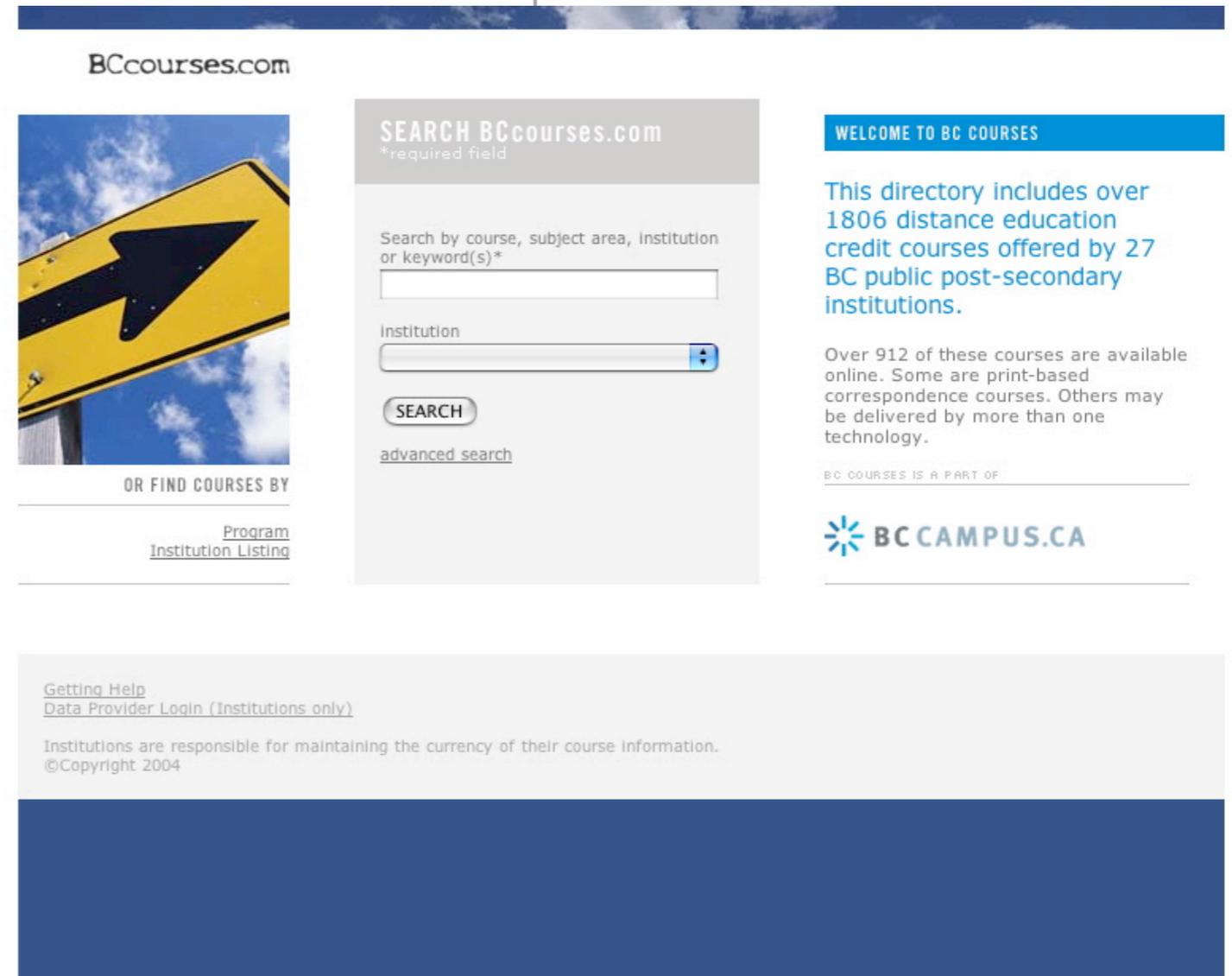
 Search for courses using the Course Directory

 Speak with an advisor

 Find out about financial aid

 Register for courses

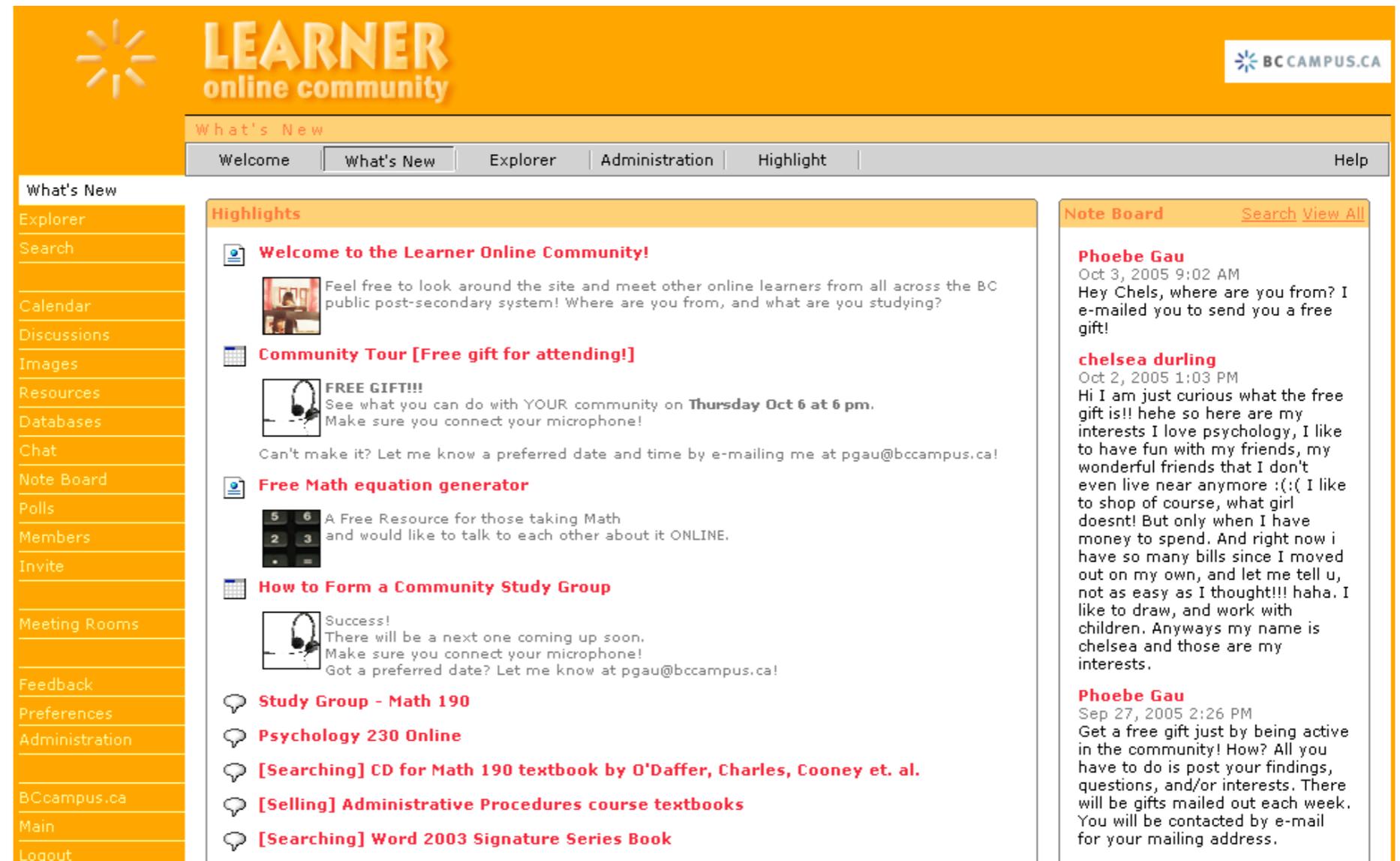
 Take courses



The screenshot shows the BCcourses.com website. At the top left is the logo "BCcourses.com". Below it is a yellow arrow sign pointing right against a blue sky with clouds. To the right of the sign is a search box titled "SEARCH BCcourses.com" with a note "*required field". The search box contains the text "Search by course, subject area, institution or keyword(s)*" and a text input field. Below the search box is a dropdown menu for "Institution" and a "SEARCH" button. A link for "advanced search" is located below the search button. To the right of the search box is a blue banner that says "WELCOME TO BC COURSES". Below the banner is a paragraph: "This directory includes over 1806 distance education credit courses offered by 27 BC public post-secondary institutions." Below this is another paragraph: "Over 912 of these courses are available online. Some are print-based correspondence courses. Others may be delivered by more than one technology." Below that is a small line of text: "BC COURSES IS A PART OF" followed by the "BC CAMPUS.CA" logo. At the bottom of the page, there are links for "Getting Help" and "Data Provider Login (Institutions only)", and a footer note: "Institutions are responsible for maintaining the currency of their course information. ©Copyright 2004".

Join communities of interest

-  An initial student community has been created by co-op students
-  It operates in a manner similar to the BCcampus educator online community
-  The community offers study groups and other student-directed support services

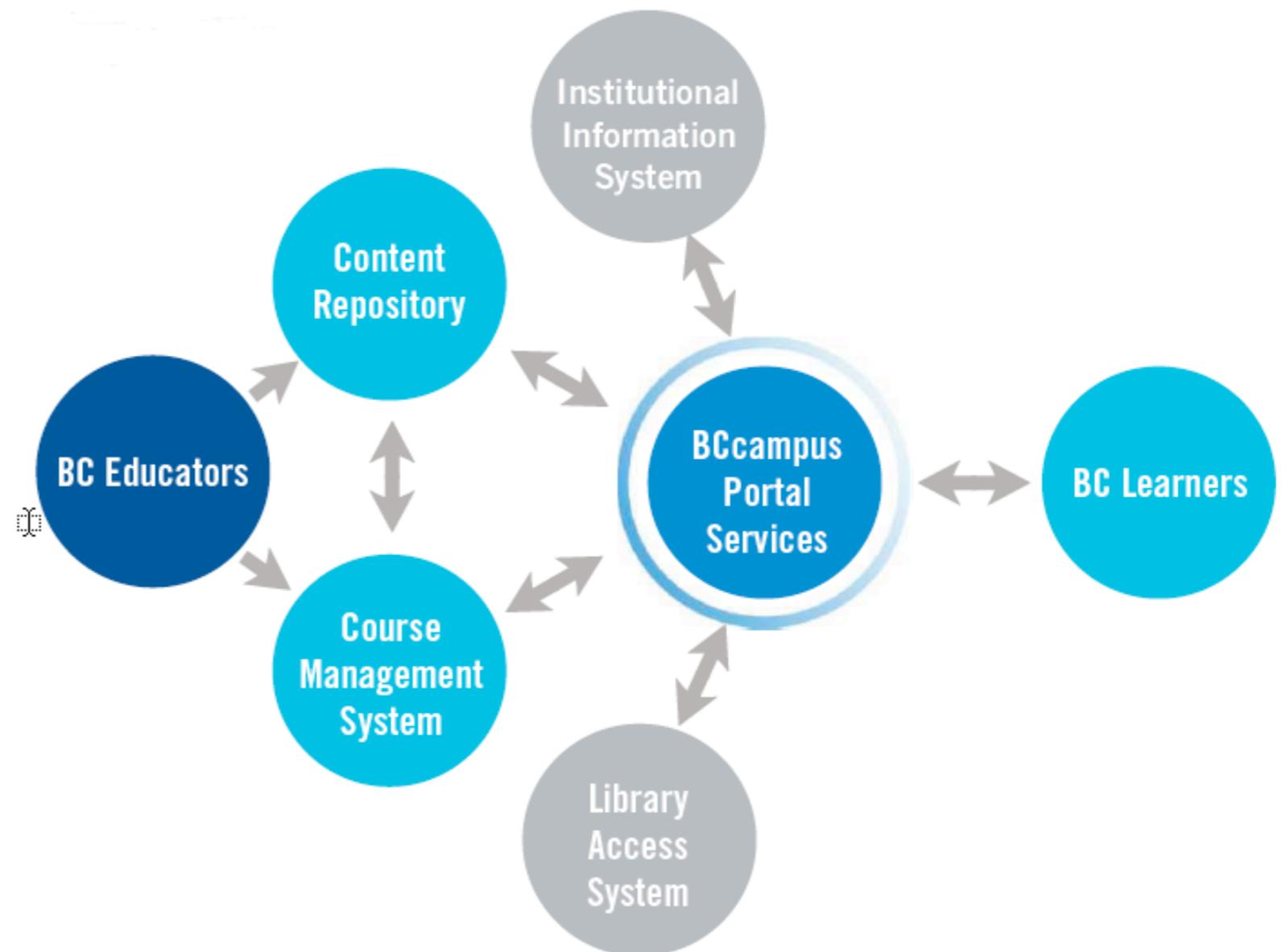


The screenshot shows the LEARNER online community website. The header features the BCCampus.ca logo and the text "LEARNER online community". Below the header is a navigation bar with tabs for "Welcome", "What's New", "Explorer", "Administration", "Highlight", and "Help". A left sidebar contains a menu with items like "What's New", "Explorer", "Search", "Calendar", "Discussions", "Images", "Resources", "Databases", "Chat", "Note Board", "Polls", "Members", "Invite", "Meeting Rooms", "Feedback", "Preferences", "Administration", "BCCampus.ca", "Main", and "Logout". The main content area is divided into sections: "Highlights" with items like "Welcome to the Learner Online Community!", "Community Tour [Free gift for attending!]", "FREE GIFT!!!", "Free Math equation generator", and "How to Form a Community Study Group"; and a "Note Board" with posts from "Phoebe Gau" and "chelsea durling".

We link educators with services

🔸 In the context of sustaining the development and sharing of high-quality online resources, we enable ...

- 🔸 Program development funding
- 🔸 Resource reuse licensing models
- 🔸 Community-based tools and resources
- 🔸 Forums for participatory support systems



Help make sense of technologies



LMS

LCMS



Technical systems

Specifications

Standards



KMS

XML

DRM



SOAP



WSDL



Harnessing network power

 *“A network in general behaves in such a way that the more nodes that are added to it, the whole thing gets more valuable for everyone on it because all of a sudden there's all this new stuff that wasn't there before...you see it on the Internet all the time. Every new node, every new server, every new user expands the possibilities for everyone else who's already there.”*

 Marc Andreessen, one of the founders of the web

Metcalfe's Law

The value or power of a network increases in proportion to the square of the number of nodes on the network

Enabling reuse as a strategy

How do we enable systemic reuse of valuable instructional resources?

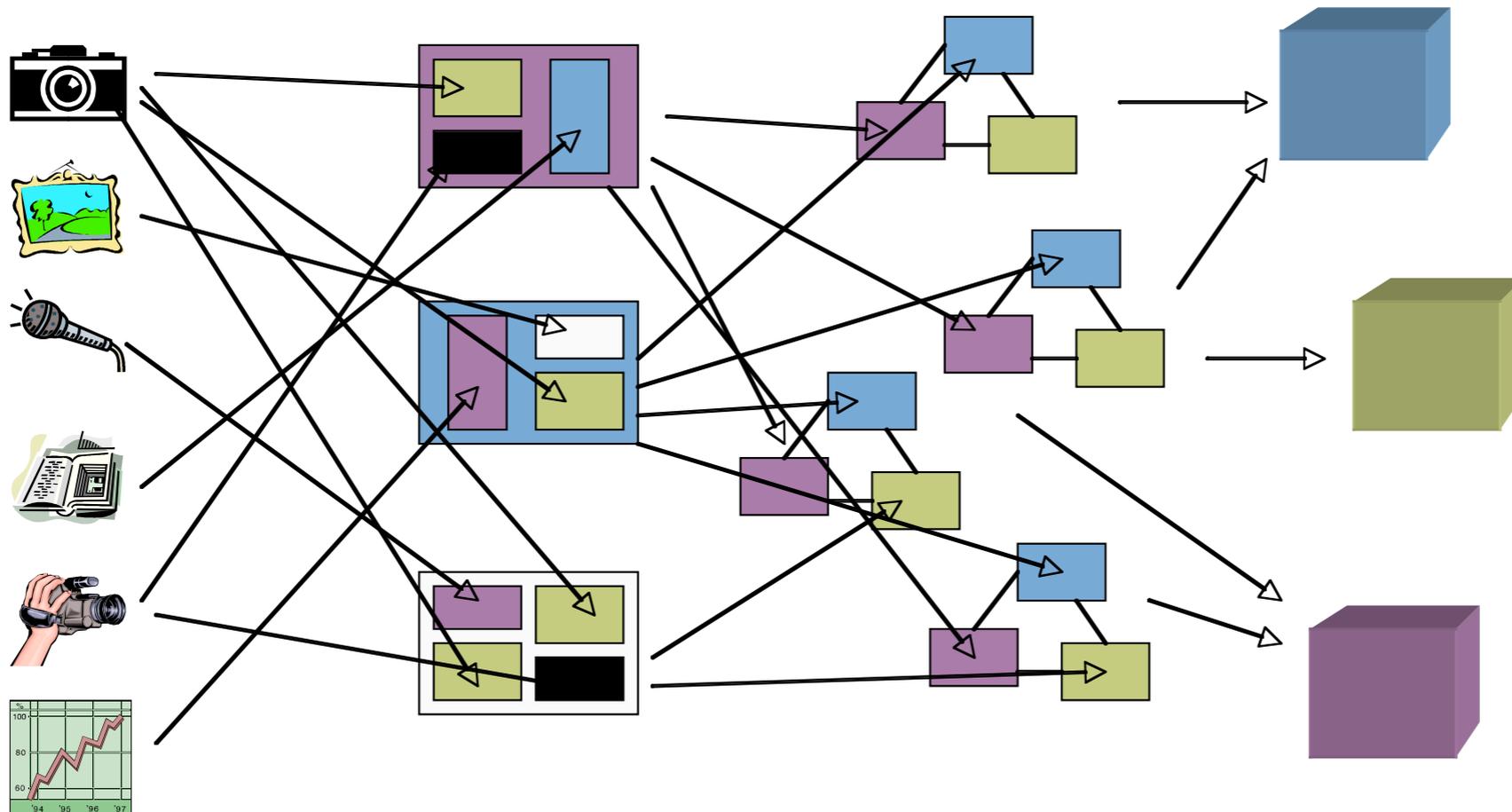


Media

Lessons

Units

Courses



Funding program development

🔸 The Fund

🔸 \$4.5M fund provided by AVED

🔸 Rounds of \$1.5M each in 2003, 2004, and 2005

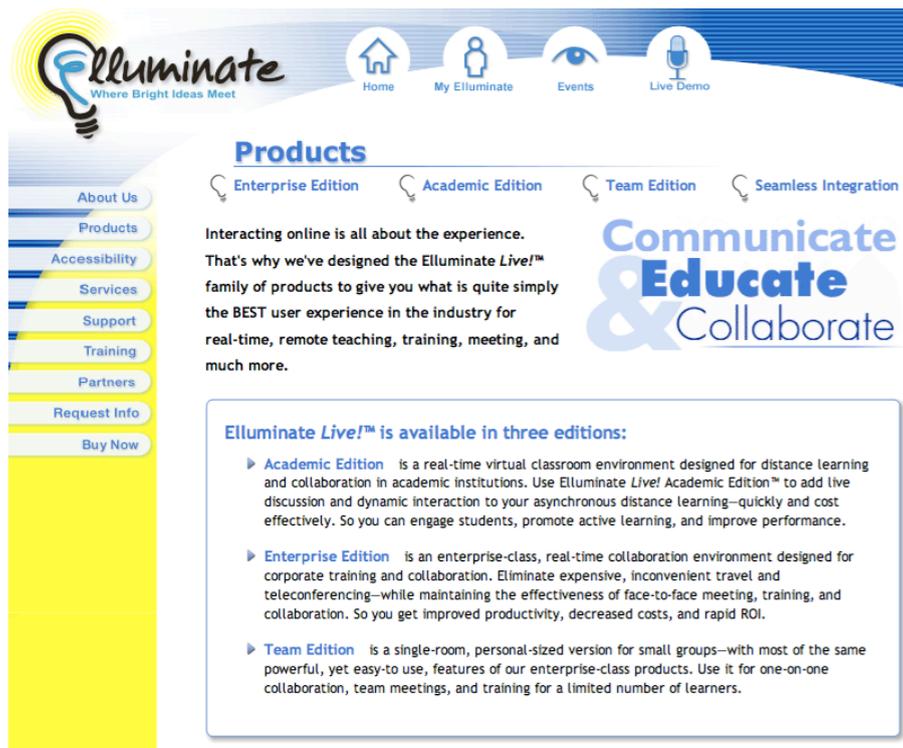
🔸 Online programs, courses, virtual labs, and technologies

🔸 Inter-institutional collaboration and partnerships

🔸 *Requiring a sharing and reuse licensing agreement from faculty and developers*



Harnessing community



Elluminate
Where Bright Ideas Meet

Home My Elluminate Events Live Demo

Products

Enterprise Edition Academic Edition Team Edition Seamless Integration

Interacting online is all about the experience. That's why we've designed the Elluminate Live!™ family of products to give you what is quite simply the BEST user experience in the industry for real-time, remote teaching, training, meeting, and much more.

Communicate & Educate Collaborate

Elluminate Live!™ is available in three editions:

- ▶ **Academic Edition** is a real-time virtual classroom environment designed for distance learning and collaboration in academic institutions. Use Elluminate Live! Academic Edition™ to add live discussion and dynamic interaction to your asynchronous distance learning—quickly and cost effectively. So you can engage students, promote active learning, and improve performance.
- ▶ **Enterprise Edition** is an enterprise-class, real-time collaboration environment designed for corporate training and collaboration. Eliminate expensive, inconvenient travel and teleconferencing—while maintaining the effectiveness of face-to-face meeting, training, and collaboration. So you get improved productivity, decreased costs, and rapid ROI.
- ▶ **Team Edition** is a single-room, personal-sized version for small groups—with most of the same powerful, yet easy-to-use, features of our enterprise-class products. Use it for one-on-one collaboration, team meetings, and training for a limited number of learners.

 **What are the tools and what are the practices that will allow us to harness community effectively?**

 **Utilize participatory design models**

 **Model the use of collaborative tools**

 **Webcasts, telepresence**

 **Experiment with the newest tools**

 **Podcasts, videocasts**

Providing community services



The screenshot shows the BC CAMPUS.CA website interface. At the top left is the BC CAMPUS.CA logo and the text "EDTECH ONLINE COMMUNITY >>>". To the right is the "LearningTimes Network Site" logo. Below the header is a navigation bar with tabs for "Welcome", "What's New", "Explorer", "Highlight", and "Help". A left sidebar contains a list of navigation links: What's New, Explorer, Search, Calendar, Contributions, Discussions, Files, Note Board, Mailing Lists, Polls, Images, Lists, Chat, Members, Invite, Training Room, Meeting Room, Virtual Offices, Affiliates, Feedback, Preferences, and BCcampus.ca. The main content area is divided into three columns:

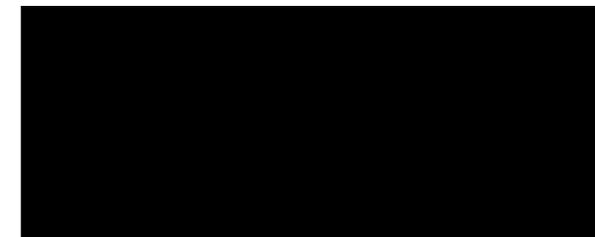
- Highlights:** A list of featured articles with icons and titles:
 - Kool Tool Course Builder**: If you missed the Roger Mundell, Royal Roads University webcast on Kool Tool we offer up this information on Kool Tool including the ability to try it out for yourself.
 - ePortfolios @ UBC**: UBC is hosting an interactive, one-day conference about e-Portfolios exploring one of the most challenging aspects of e-Portfolios: Reflection.
 - Webcast Recording - Learning Object Authoring Templates - Timeline Tool**: Live recording featuring Tim Wang from the University of British Columbia's Faculty of Arts Instructional Support unit describing and demoing how faculty and students can use the Timeline Tool.
 - Inventing Learning Everyone Will Love**: Marc Prensky, author of Digital Game Based Learning, was recently in Vancouver and offered up some inspiration for creating online learning games. More info here...
 - Webcast: The Learning Landscape: A Conceptual Framework for E-Portfolios**: Dave Tosh and Ben Werdmuller at the University of Edinburgh present some of the latest research thinking on ePortfolios in this BCcampus Breeze Live webcast.
 - Audio Descriptions of Online Program Development Fund Projects**: Listen to the inspiring recordings of OPDF developers describing their projects in their own words.
 - Online Teaching with WebCT**: This is a free online course for instructors with courses on the BCcampus server or who are working on projects funded by the Online Program Development Fund. The course is instructor-led and participants work in teams.
- Search:** A search box with a "Search" button and radio buttons for "Any or All".
- Note Board:** A list of posts with "Search" and "View All" links.
 - Amanda_Harby**: Oct 13, 2004 4:02 PM. Both the pre-conference workshop on Learning Objects (November 4, 2004) and the Workshop on Educational Technologies (November 5, 2004) are SOLD OUT! October 13, 2004 (4:00 PM)
 - mcclark**: Oct 5, 2004 11:55 AM. Due to the demand at the last OPDF conference, we have added a new calendar to this community entitled Meeting Room Bookings. If you would like to start using our meeting rooms to collaborate and work on your projects with your partners, post your meeting in this calendar to ensure the room is available when you need it. If you have never used an Elluminate Live Meeting Room before there is a tutorial available on the main Meeting Room page. We have also started a discussion around the meeting rooms so you can provide your feedback and experience.
- Calendar:** A section with "Search", "View All", and "Add" links.
 - knowTIPS Online Conference: Call for Presenters**: Sat, Oct 30, 2004 to Fri, Nov 25, 2005. KnowTIPS Call for Presenters/Discussion leaders Deadline to submit is Friday, November 25, 2004. If you're able to provide a presentation and lead a discussion about your ideas and

 Providing online support for communities of interest and practice

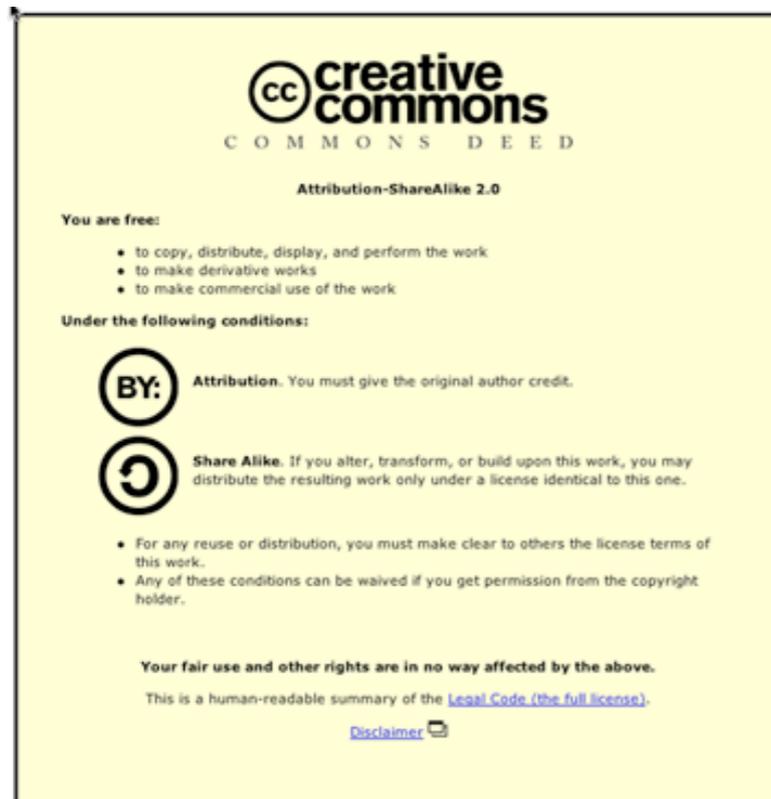
 Supporting training and dissemination of best practices for learning and technology

 Promoting and supporting collaborative program development models

 Making libraries of licensed reusable academic resources accessible



Establishing licensing models



- ❏ Intellectual property (IP) held by developers – faculty, institution, or both
- ❏ Copyright and distribution via Creative Commons or BC Commons licenses
- ❏ BC Commons is a regional consortia derivative of Creative Commons
- ❏ Up-front system for Open Source-like sharing, reuse, modification and distribution



Providing a resource repository



Logged in as dporter [log out](#) [edit my details](#) [help](#)

 SOL*R | Shareable Online Learning Resources  RESEARCH.REVIEW.REMIX.

Resource Areas

SEARCH

[GO](#)

- Guided Search
- Power Search
- Federated Search

CONTRIBUTE

- Home
- Contribute
- View / Edit My Items
- Assemble Plans

→ **Browse by Discipline**
Find learning objects, courses, tools and technologies by discipline

→ **Browse by Contributing Institution**
Find learning objects, courses, tools and technologies by the B.C. Institutions that developed them.

→ **Browse by Program**
Find course resources listed by the B.C. program name for which they were originally developed.

→ **Browse all BC Commons Resources**
Browse all resources which have been contributed under a BC Commons license.

→ **Browse all Creative Commons Resources**
Browse all resources which have been contributed under a Creative Commons Attribution-ShareAlike 2.0 Canada License.

→ **Browse by OPDF Round**

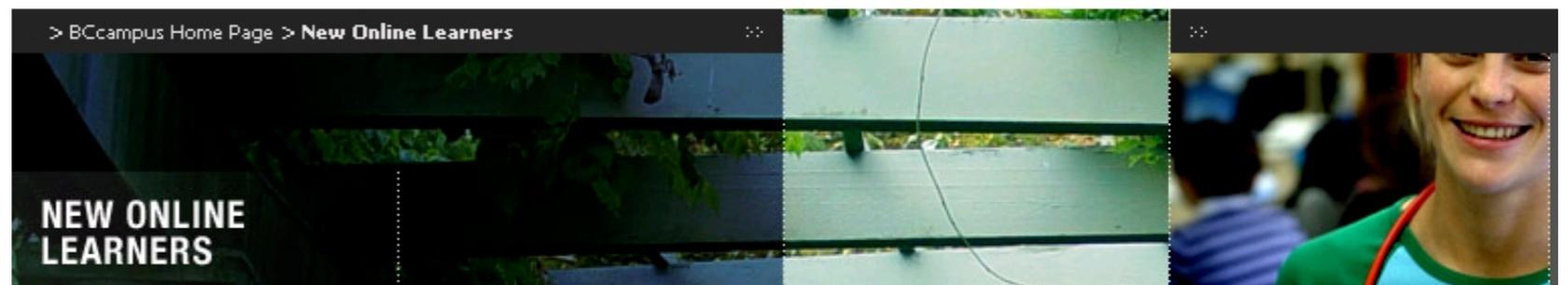
NOTIFICATIONS
There are no items requiring your attention at this time

TASK LIST
There are no items requiring your attention at this time

BROUGHT TO YOU BY 

Emphasizing value in the approach

- Exemplary public policy - optimizes utilization of public funds
- A model for collaboration among public post-secondary institutions
- Open source model generates quality online learning resources
- Differentiation is based on bundled services rather than content
- Builds reputation of developers
- Middle ground between free and commercial



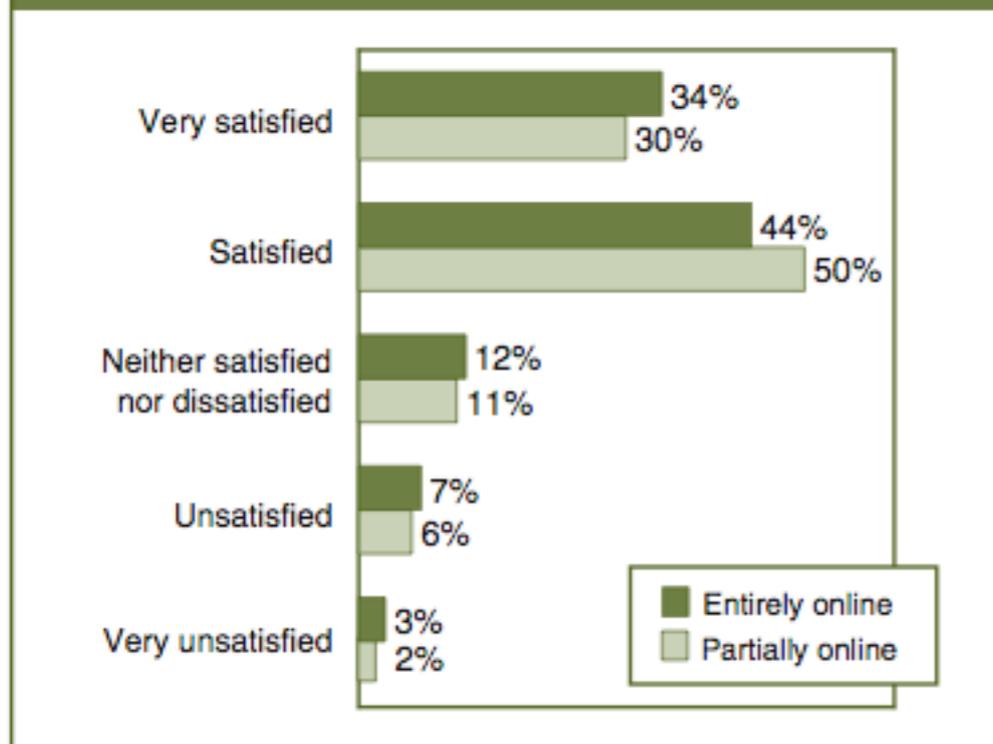
Identifying sustainability factors

- ❖ Identify, communicate, implement, and measure value propositions for all members of the learning ecosystem
- ❖ Involve key reference groups to set the goals for system development, evaluation, and implementation
- ❖ Conduct active, small-scale pilots with all systems and processes
- ❖ Evaluate and acknowledge all successes and shortcomings, and quickly move successful implementations into wide-scale production
- ❖ Acknowledge that members of the ecosystem are ultimately responsible for systemic success and sustainability, not you

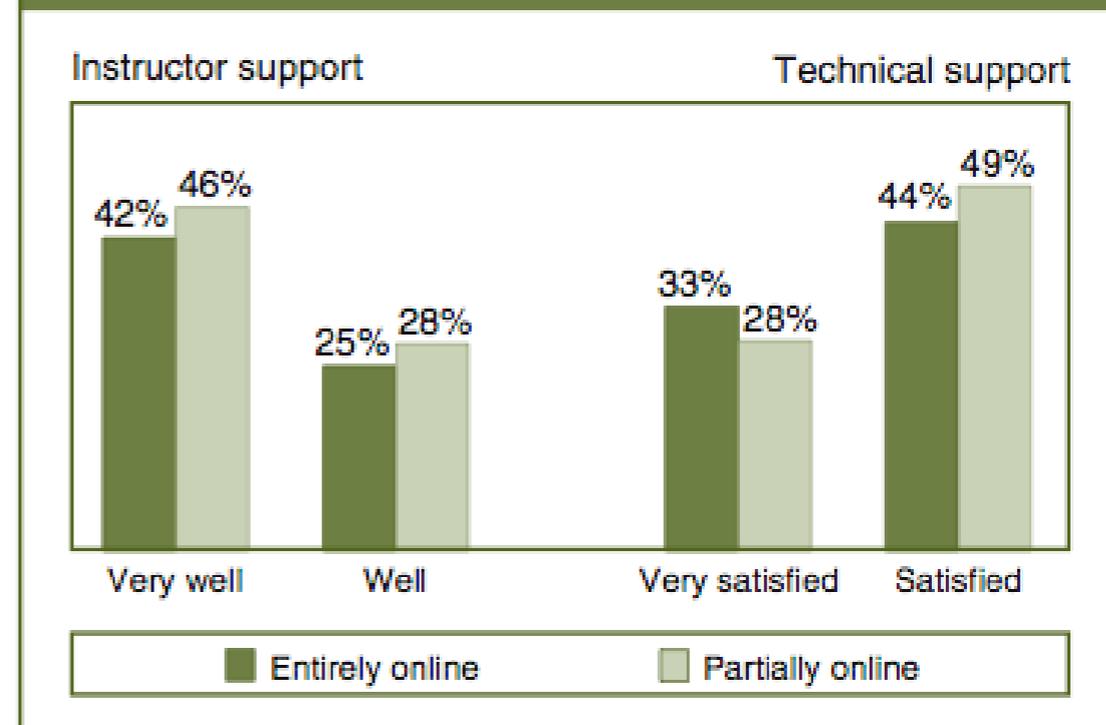


Overall online learning trends

A majority of respondents said they were satisfied or very satisfied with their online courses



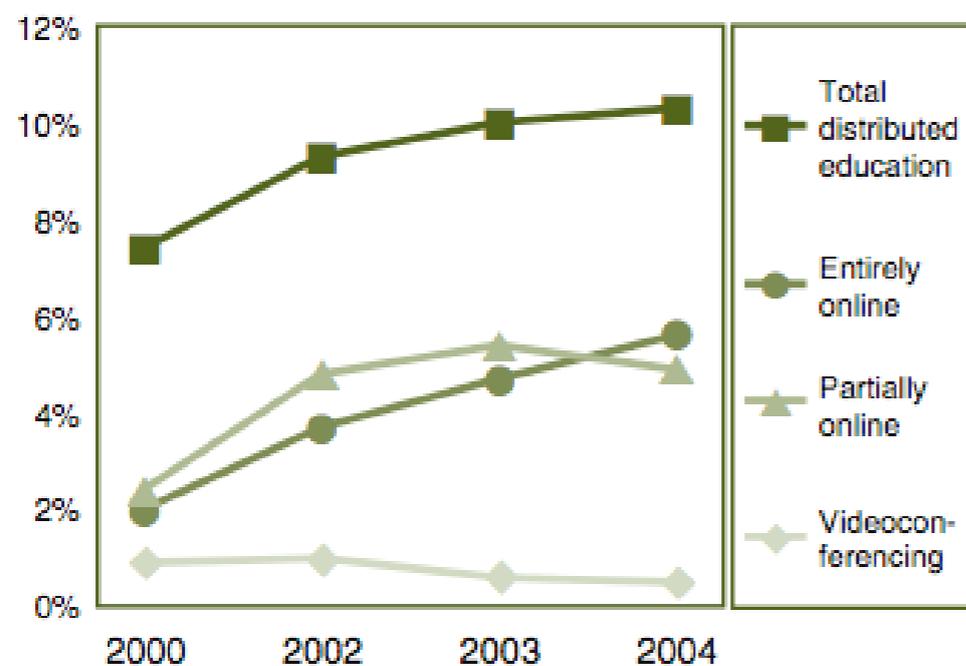
Respondents who took courses partially online were more likely to say their instructor supported them



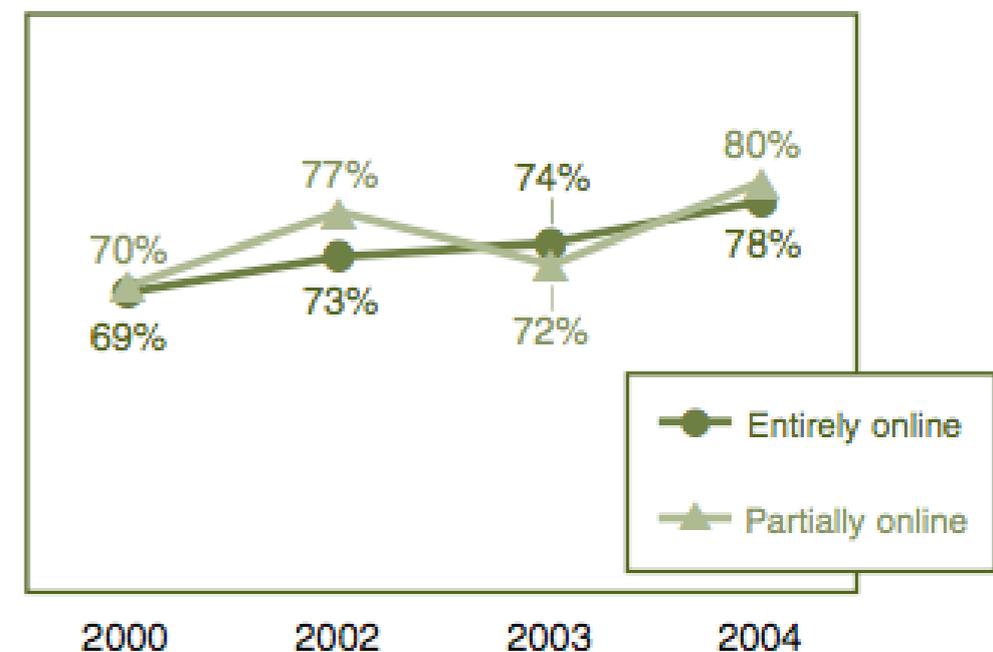
http://outcomes.bcstats.gov.bc.ca/Publications/collegereports/issue_distance.pdf

Growth continues

The increase in distributed education courses taken was due to an increased use of online delivery



Respondents who took online courses were satisfied or very satisfied with the experience



http://outcomes.bcstats.gov.bc.ca/Publications/collegereports/issue_distance.pdf

We're learning to work in new ways

Community source

 uPortal

 Creative Commons

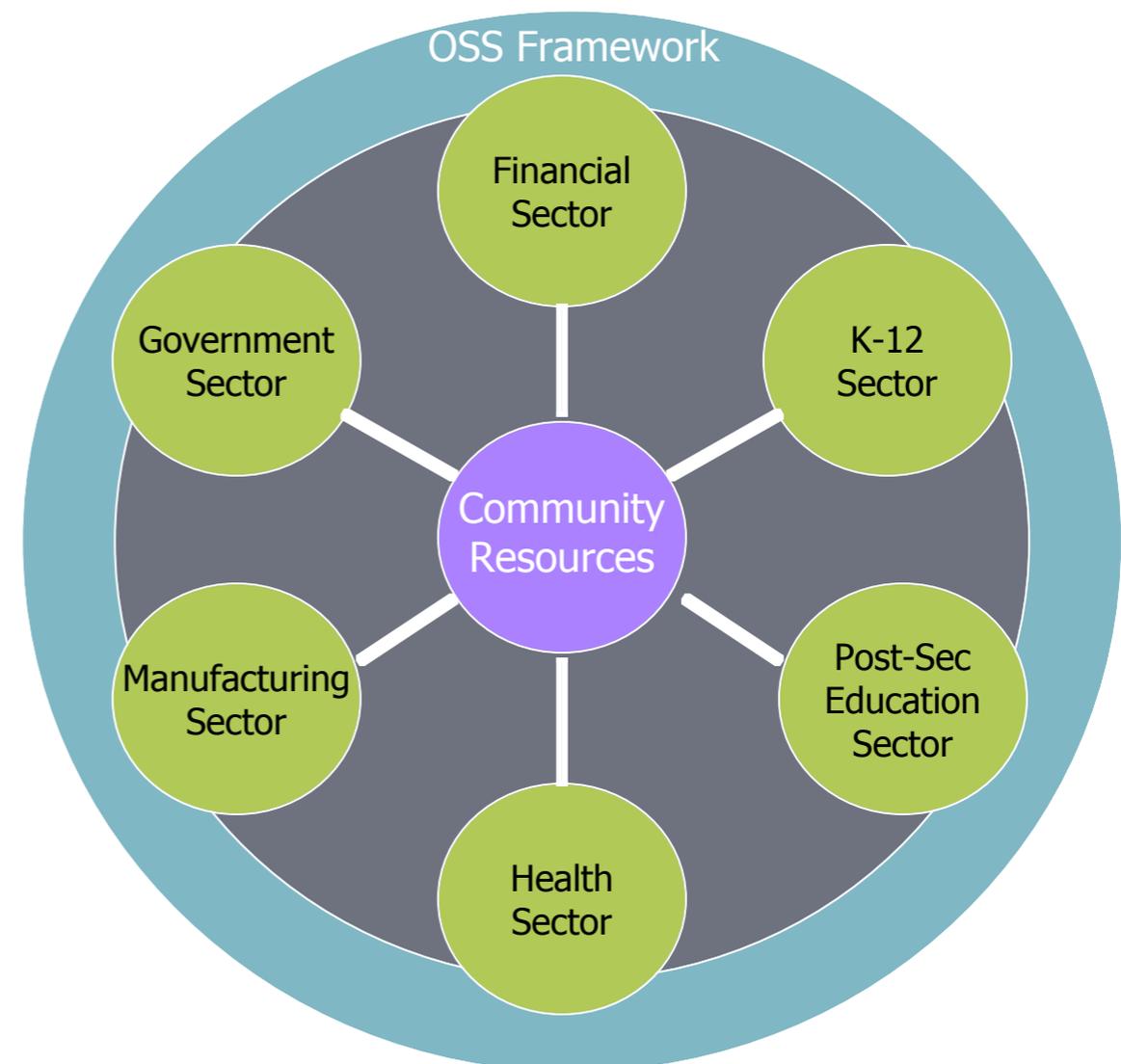
 BC Commons

 OKI

 OSPI

 Open Source Portfolio Initiative

 SAKAI



Building an agenda for sustainability

- ❏ **Balance the needs of learners and educators**
 - ❏ **And, administrators**
- ❏ **Build on a foundation of community and communication**
- ❏ **Adopt Open Source and Open Access technologies**
 - ❏ **Give back as good as you get**
- ❏ **Pay attention to techno culture and the context of learning**
- ❏ **Support the innovators in your community**



Contact and coordinates

David Porter
Executive Director
BCcampus.ca

dporter@bccampus.ca

www.bccampus.ca

These presentation slides are available
from

www.sfu.ca/~davidp/ecosystem.pdf

or

as a Breeze presentation from

present.bccampus.ca/ecosystem

