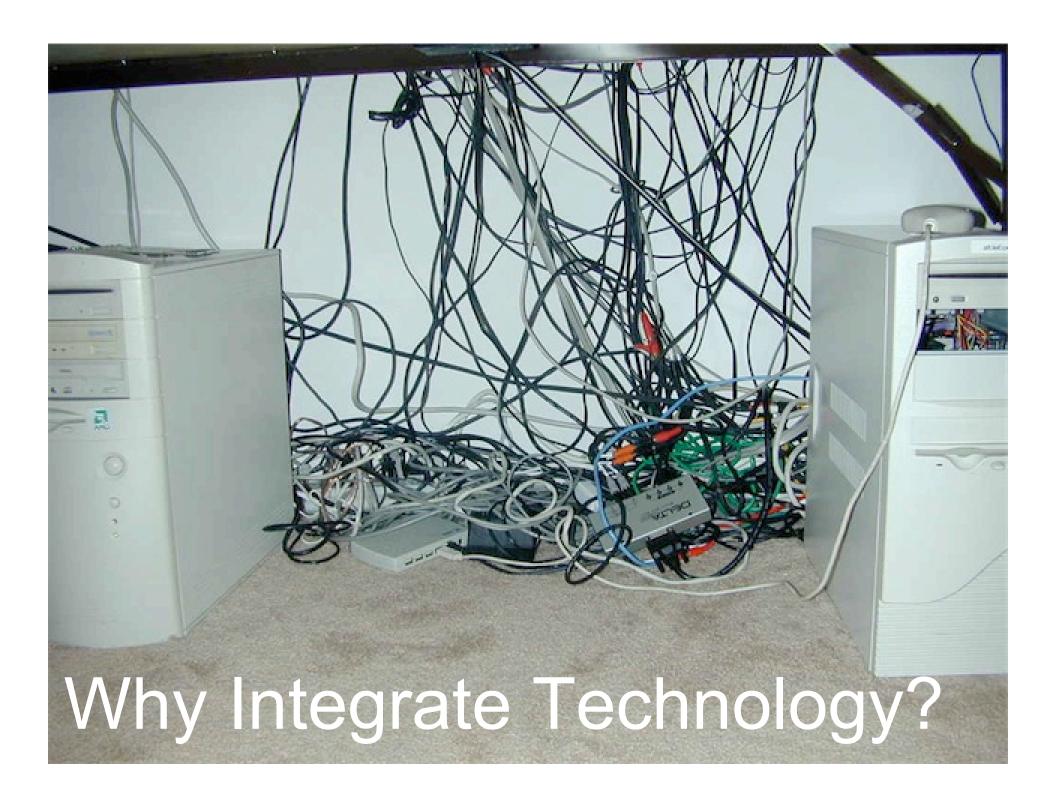


Live audience

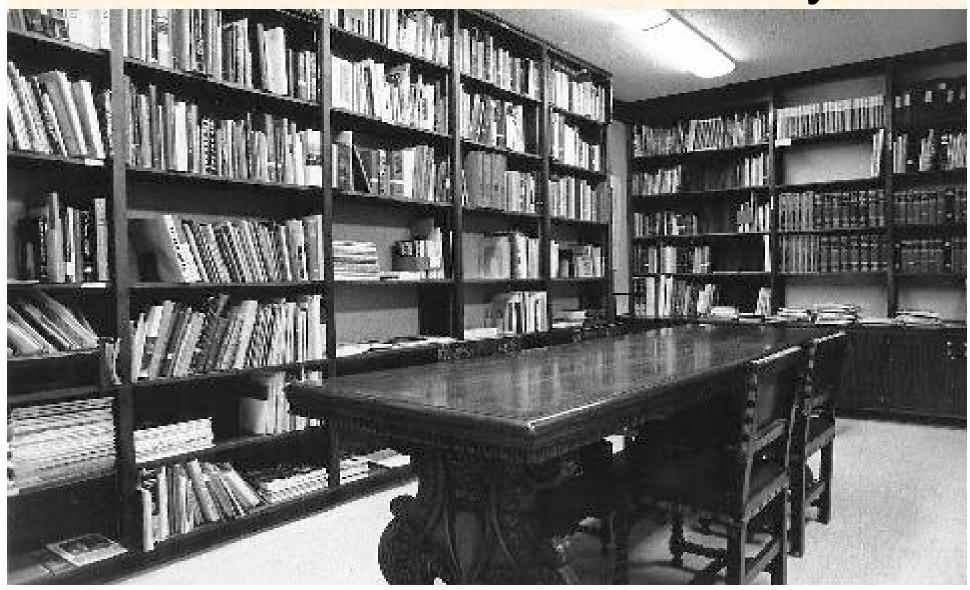
Recorded audience

Back-Channel

Multiple Things
 Happening at Once



## 1. The school library only has 12 books from this century



- Books are expensive, and getting more expensive
- If we want to get learning material into the hands of students (at a price we can afford) the internet is the only way to go
- We can put all of knowledge into the hands of students for the price of two or three textbooks

#### Open Educational Resources:

- Government of Canada -- <a href="http://www.downes.ca/cgi-bin/wiki.cgi?OpenEducationalResources">http://www.downes.ca/cgi-bin/wiki.cgi?OpenEducationalResources</a>
- OER Commons http://www.oercommons.org/
- Internet Archive <a href="http://www.archive.org/details/education">http://www.archive.org/details/education</a>
- UNESCO <a href="http://oerwiki.iiep-unesco.org/index.php?title=Main Page">http://oerwiki.iiep-unesco.org/index.php?title=Main Page</a>

# 2. Czechoslovakia is no longer a country



- Events change faster than books and offline materials can be updated
- Wiki-Based sites stay current
  - Wikipedia <a href="http://www.wikipedia.org/">http://www.wikipedia.org/</a>
  - Wiki Educator http://www.wikieducator.org
  - Curriki http://www.curriki.org
  - Wikiversity <a href="http://en.wikiversity.org">http://en.wikiversity.org</a>
  - Wikispaces <a href="http://www.wikispaces.com">http://www.wikispaces.com</a>

# 3. Not everybody can tour Mongolia



- Students can see things from around the world much more clearly
- Students need the internet to see these things
- It's good for them to see these things
- Tie direct knowledge of places with current events - let them see what it feels like to be here

- Google maps <a href="http://maps.google.com">http://maps.google.com</a>
- Mongolia in Flickr - <u>http://www.flickr.com/search/?q=mongolia&w</u> =all
- Mongolia Wikipedia -<u>http://en.wikipedia.org/wiki/Mongolia</u>
- Mongolia YouTube - <u>http://www.youtube.com/results?search\_quer</u> <u>y=mongolia&search\_type=&aq=f</u>

### 4. Nobody here speaks Khazak

بورونغی اوتکان دامانده بسر دانشهند کیشی بغداد شهری ننگ بر اولکان قاضی سی ننگ اویونه کیلسوب قسونویتی قاضی بسرلان سویلاسیب قاضی نی سورکا جینکابرویتی صونده قاضی قررقوب بول مغان کیلکان بر پله ایکان مننگ قاضی لیفومنی تارتوب آلصه کیراگ نه ده بولسه بوغان جالسوب صی بیروب اورنومده قلایوندیب خانونینه آقیلداسوینی،

Буруңқу откон заманда бір даныспан кісі Бақдат саріпің бір ўІкон казысының ўіўно кеііп конупту. Казы—мінан сойбосўп, казыны созго цеңа-беріпті. Сонда казы коркуп, "бул мақан кеіган бір баіа: менің казылықымны тартыб—алса, керак! не-да болса, буқан цалынып, сый беріп, орнумда калајын!" деп, катынына акылдасыпты.

#### Authentic language training

- Vs people with very think English accents
- No opportunity to immerse oneself
- Nobody here teaches Khazak either
  - » SpanishPod, ChinesePod
  - » <a href="http://spanishpod.com/">http://spanishpod.com/</a>
  - » Italki
  - » <a href="http://www.italki.com/">http://www.italki.com/</a>
  - » More...

### 5. Nobody Else on the Football Team is into Macrame



- You can look at subjects that aren't wildly interesting around here
  - » Clare Brooks, Australia
  - » Manitoba, World Politics
  - » The Only Goth in Minnedosa
- You can find your niche group online...
  - Yahoo Groups <a href="http://groups.yahoo.com/">http://groups.yahoo.com/</a>
  - Google Groups <a href="http://groups.google.com">http://groups.google.com</a>

### 6. Anyone can be Napoleon



- Videogaming & simulations
  - Immersion
  - Allows you to see from different perspectives
  - Puts you in the context of different events
    - » Pilot training
    - » The helicopter simulation
    - » Second Life in Education (SLEd), Jokaydia
    - » Civilization in the Classroom

- Second Life <a href="http://www.secondlife.com/">http://www.secondlife.com/</a>
- OpenSim, Croquet -<u>http://chris.superuser.com.au/tag/opensim</u>
- Civ III in the classroom -<u>http://www.nku.edu/~weirk/civ/civ.html</u>
- Apolyton <a href="http://apolyton.net/">http://apolyton.net/</a>

# 7. Speaking in front of an audience is motivating



#### (Not just for you, also for your students)

- » Educational Blogging...
- <a href="http://connect.educause.edu/Library/EDUCAUSE+Review/EducationalBlogging/40493">http://connect.educause.edu/Library/EDUCAUSE+Review/EducationalBlogging/40493</a>
  - » Clarence Fisher, Manitoba
- http://remoteaccess.typepad.com/
  - » Students at Ecole St Joseph
  - » Class of Web 2.0
- http://www.solutionwatch.com/519/back-to-school-withthe-class-of-web-20-part-3/

# 8. Collaboration on the test is no longer cheating



- Collaboration and teamwork skills are the new math
- These can be practiced in class but you've known these people your whole life
- It's much better to learn to negotiate collaboration with people you don't know different objectives, different values, different background

#### Collaboration using...

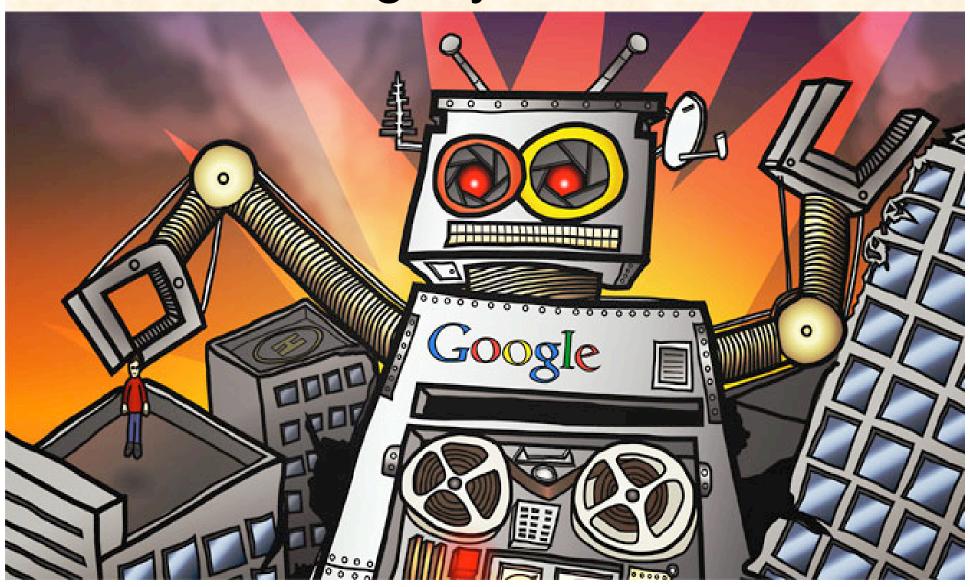
- Skype <a href="http://www.skype.com">http://www.skype.com</a>
- Google Docs <a href="http://docs.google.com">http://docs.google.com</a>
- Collaboration Engines: Elluminate, Adobe Connect, etc.

## 9. Instant Messaging is cheaper than SMS



- Students are physically attached to their cell phones...
- On the internet, they can use communications tools that are integrated with their learning tools

# 10. You Google them - they Google you



- It gives students models good and bad
   of how to do things research
  - » How to use Wikipedia in Research http://www.msoe.edu/library/resources/tutorials/ wikipedia/research.shtml
  - » Exploratorium Evidence (how do we know what we know)
    - http://www.exploratorium.edu/evidence/

# 11. You should learn something about Facebook



- Students are using social networks
- But they don't always use them appropriately
- It's a very complex environment
- Right now they're out there on their own
- The need advice, suggestions and supervision
- The internet is the medium for communication in the future

- List of social networking websites
   http://en.wikipedia.org/wiki/List of social networking websites
- Social networks in education http://socialnetworksined.wikispaces.com/
- Ning <a href="http://www.ning.com">http://www.ning.com</a>
- Elgg <a href="http://elgg.org/">http://elgg.org/</a>

## 12. Nobody uses trigonometry on the bus



- "Why should we learn trigonometry?"
- In the everyday life of a student there is no use for trig - it just doesn't come upo
- But on the internet, you can be involved in projects that draw you deep into technology
  - » Squeak, Smalltalk <a href="http://www.squeak.org/">http://www.squeak.org/</a>
  - » The perfect Star Trek game rotate cube

### 13. Learning to code could save the world



- Wargames two kids start WW III
- Students can learn certain skills only from the internet - for example, internet programming
  - Very different from programming on your computer...
  - Users, web services, etc
  - Students who code see very quickly the need for math, English, art and design

## 14. Teachers Need Somebody To Talk To



- The internet is for the benefit of the teachers too
- Teaching can be the loneliest job in the world
- Engage with other teachers, other classrooms
  - » The Flat Classroom Project
  - » <a href="http://flatclassroomproject.wikispaces.com/">http://flatclassroomproject.wikispaces.com/</a>
  - » OLDaily and CCK08
  - » <a href="http://connect.downes.ca">http://connect.downes.ca</a>

## 15. It gets students out of the class



- The School is the only place that doesn't have internet
- If we can have wireless internet on city buses, we should have internet access in schools
- Everything we do is infused by the internet
- It's our responsibility to ensure stidents are prepared

### This was a talk about why... but also about how...

- Use it to access current materials
- Use it to integrate current events
- Use it to broaden students' experiences
- Support language training with online conversations
- Use the net to engage niche interests

- Find and plan simulations and immersions
- Have students present stuff online
- Build collaborative exercises
- Build communication into learning
- Use to find out about students

- Spent time in social networks
- Integrate class lesson in creative projects
- Support deep learning with deep projects
- Build your own personal learning network
- Integrate students into the community

### http://www.downes.ca/

- \* E-Learning 2.0
- \* Things You Really Need to Learn
- \* How to Be Heard
- \* How to Write Articles and Essays Quickly and Expertly
- \* Principles for Evaluating Websites
- \* Nine Rules for Good Technology
- \* Educational Blogging
- \* Managing Your Blog Entry 11 Better Tips
- \* Seven Habits of Highly Connected People
- \* Ten Futures