It is very open!
(May 2011, Norway & June 2011 the Philippines)

Framework #1: WE-ALL-LEARN:
Ten Forces that Opened the Learning World
- Web Searching in the World of e-Books (i.e., Darwin)
- E-Learning and Blended Learning
- Availability of Open Source and Free Software (e.g., Moodle)
- Leveraged Resources and OpenCourseWare (e.g., MIT)
- Learning Object Repositories and Portals (i.e., shared content)
- Learner Participation in Open Info Communities (e.g., YouTube)
- Electronic Collaboration and Interaction (sync and async)
- Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- Real-Time Mobility and Portability (e.g., iPhone)
- Networks of Personalized Learning (Blogs, RSS)

Audience Participation!
1. WE
2. ALL
3. LEARN!!!

Triple Learning Technology
Convergence of “WE-ALL-LEARN”
2. Pages: The availability of free educational content and resources (OER—Open Educational Resources).
3. Participatory Learning Culture: A move towards a culture of open access to information, international collaboration, and global sharing.
Question: What is the Web?
- An entertainment system?
- A writing aid?
- A communications system?
- A means to handle commercial transactions?
- A social networking device?

No, it is a learning tool!

Answer: The Web of Learning

The Web of Learning

We are entering a jumping off point...

Elements of the Web's Next Generation

We are not motivating students with the technologies that they love!

A Vision of Today's Students
Jumbo Motivation is Needed!

Ok, Million Dollar Question: How do you motivate online learners? What Words come to mind?

Motivation Research Highlights
(Jere Brophy, Michigan State University)
1. Supportive, appropriate challenge, meaningful, moderation/optimal.
2. Teach goal setting and self-reinforcement.
4. Novelty, variety, choice, adaptable to interests.
5. Game-like, fun, fantasy, curiosity, suspense, active.
6. Higher levels, divergence, dissonance, peer interaction.
7. Allow to create finished products.
8. Provide immediate feedback, advance organizers.
9. Show intensity, enthusiasm, interest, minimize anxiety.
10. Make content personal, concrete, familiar.

I even reflected on this for a moment...and then something magical happened...

TEC-VARIETY
CLO, October 2011

Framework #2: TEC-VARIETY for Online Motivation and Retention
1. Tone/Climate: Psych Safety, Comfort, Belonging
2. Encouragement, Feedback: Responsive, Supports
3. Curiosity: Fun, Fantasy, Control
4. Variety: Novelty, Intrigue, Unknowns
5. Autonomy: Choice: Flexibility, Opportunities
6. Relevance: Meaningful, Authentic, Interesting
7. Interactive: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Excitement
9. Tension: Challenge, Dissonance, Controversy
10. Yields Products: Goal Driven, Products, Success, Ownership
1. **Tone/Climate: Social Ice Breakers**

**C. 8 nouns (adjectives, verbs)**
- List of nouns: (e.g., pirate, computer, traveler, roadrunner, wind, bookworm, musician, mentor, etc.)
  - [http://www.ommegreenthink.com/reading/list-of-nouns.html](http://www.ommegreenthink.com/reading/list-of-nouns.html)
- List of adjectives: (e.g., lazy, powerful, shy, bored, exotic, cooperative, sloppy, rebel, etc.)
  - [http://www.ommegreenthink.com/reading/list-of-adjectives.html](http://www.ommegreenthink.com/reading/list-of-adjectives.html)
- List of verbs: (e.g., coordinate, entertain, amuse, push, unite, beg, dream, publicize, etc.)
  - [http://www.ommegreenthink.com/reading/list-of-verbs.html](http://www.ommegreenthink.com/reading/list-of-verbs.html)

2. **Encouragement, Feedback, etc.:**
   **A. Online Self-Testing** (e.g., self study in vocabulary, anatomy, chemistry, dissection, etc.)

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1. **Tone/Climate: Social Ice Breakers**

**A. Public Commitments:**
Have students share how they will fit the coursework into their busy schedules

**B. Favorite Websites**
1. Everyone posts 1-2 of their favorite websites and explain why.
2. Peers comment on or rate them.

1. **Tone/Climate: D. Video Course Intros**
(examples from Northern Virginia Community College and Indiana University ED (online MBA) program)

Yan Yen Chew, Open U Malaysia, Making Art Lessons Come Alive with Web 2.0
[http://www.youtube.com/watch?v=-B0f9goJ1Eo](http://www.youtube.com/watch?v=-B0f9goJ1Eo)

2. **Encouragement, Feedback, etc.:**
   **B. Tutorials with Screen Capture**
   (e.g., Jing, Screenc, GoView, etc.)
2. Encouragement, Feedback, etc.:
   C. Vocab Sushi ($25 for 3 months)
   http://www.vocabsushi.com/

2. Encouragement, Feedback, etc.:
   D. Online Accounting Lessons
   (e.g., Lyryx; https://lif.lyryx.co)

Still, I graduated
May 16, 1981, 10:00 am,
Warhawk Stadium

2. Encouragement, Feedback, etc.:
   E. Blog and Website Polling
   (e.g., BlogPoll, BlogPoll, MicroPoll, etc.)

3. Curiosity, Fun:
   A. Online News
      (Politics, Giant Jellyfish, Tiny T. rex, and Ardi)

3. Curiosity, Fun:
   B. Online Social Networking Games
      (e.g., scrabble, hangman, etc.)
3. Curiosity, Fun: C. Online Database Activities (e.g., WolframAlpha)
   http://www.wolframalpha.com/

3. Curiosity, Fun: D. Track a Scientist, Scholar, Celebrity, Writer
   (e.g., Biography.com, biography online, FamousPeople.com)

4. Variety, Novelty: A. Cool Resource Provider or Tech Demos

4. Variety, Novelty, Fun, Fantasy: B. Random Lists (Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)

4. Variety, Novelty, Fun, Fantasy: C. Timers (stopwatches, countdown timers, stopwatch bombs, etc.; http://www.online-stopwatch.com/countdown-timer/)

5. Autonomy, Choice: A. Online Literature Search (class Google Jockeys)
   (links to text, soundtracks, video clips, etc.)
5. Autonomy, Choice: B. Web Exploration Assignments
1. Complete Works of Charles Darwin Online: http://darwin-online.org.uk/
4. Einstein Archives Online: http://www.alberteinstein.info/

6. Relevance, Meaningfulness: B. 60 Second Recap, Jenny Sawyer
http://www.60secondrecaps.com/
Actress to students: Lend me your earbud! English major, 24, rambunctiously recap the classics in 60-second Web videos; by Greg Toppo; USA TODAY, September 2009

6. Relevance, Meaningfulness: C. Tour an Online Oil Drilling Site or Role Play Situations (i.e., BP)
http://www.youtube.com/watch?v=b45k8AsgTs

7. Interactive, Collaborative: B. Collaborative Video Annotation
7. Interactive, Collaborative:
C. Dr. Monica Rankin’s class, UT Dallas, Cuban Revolution (April/May 2011)
http://www.youtube.com/watch?v=uczQf1kPv98

8. Engagement, Effort:
A. Flash, 3-D Visualization, & Laboratory Software

8. Engagement, Effort:
B. Flash, 3-D Visualization, & Laboratory Software

8. Engagement, Effort:
C. Time Tracker (e.g., Indy Race Tracker, May 29, 2011)
http://www.indystartime.com/track/2009/05/05/2011/05/29/time-tracker

8. Engagement, Effort:
http://www.guardian.co.uk/world/interactive/2011/july/12/middle-east-arab-spring-protests-timeline

9. Engagement, Effort: E. National Geographic Prehistoric Timeline
9. Tension, Challenge, etc.:
A. Ethical Debates

10. Yields Products, Goals:
B. Photo Festivals and Competitions
(e.g., COFA at UNSW, Scrapblog, flickr, etc.)
http://www.technology.com/technology.html

TEC-VARIETY Model for Online Motivation and Retention
Tone/Climate
Encouragement, Feedback
Curiosity

Variety
Autonomy
Relevance
Interactive
Engagement
Tension
Yields Products

Do you feel Jumbo Motivation?
Poll #1: How many ideas did you get so far?
1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!
5. 4-5.
6. 5-10.

99 seconds: Stop and Share:
Top Three Things Learned!

3 3 3 3 3 3 3 3

1 8 2 0 1 2
Where Are You R2D2?: Introducing Read, Reflect, Display, and Do Model

Framework #3: The R2D2 Method
1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)

1. Auditory or Verbal Learners
   • Auditory and verbal learners prefer words, spoken or written explanations.

Read 1a. Learning Planet: Interactive Glossary
Umida Khikmatullaeva, Dec. 2011, PS40
http://learningplanet.shutterfly.com/

Read 1b. Listen or Read to Open Access Expert Podcast Shows and Blogs

CVMD
The Cardiovascular Multimedia Information Network

ENGLISH
REAL
WORLD
weekly podcasts
NursingShow.com
2. Reflective and Observational Learners

- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives.

Reflect 2a. Cultural Blogs (e.g., Dr. Kim Foreman, San Fran State University, Come and See Africa Blog; http://comeandseeafrica.blogspot.com/)

Reflect 2b. Critical Friend Blog Postings (Kristen and Susan)

3. Visual Learners

- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.

Display 3a. Wordle
(PeopLe THINK WEB TASK DATA. SEMANTIC KNOWLEDGE. WORLD. INFORMATION THINGS KNOW)

Display 3b. Videos for clinical education
(Sungkyunkwan University School of Medicine, www.mededu.or.kr)
4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.

Do 4a. Singing YouTube Summaries

Daniel Hallbeck, P540, Fall 2011

http://www.youtube.com/watch?v=8bEdeFe4HZA

Do 4b. Prezi Summaries

Dylan Wijes-Leigh, P540, Fall 2011


Do 4c. Podcast Productions and Shows
Do 4d. Paired Article Critiques in Blogs

- Students sign up to give feedback on each other’s article reviews posted to their blogs.

Do 4e. Virtual Microscopes
(Sungkyunkwan University School of Medicine, www.mededu.or.kr)

Do 4f. Virtual Quizzes
(Sungkyunkwan University School of Medicine, www.mededu.or.kr)

Do 4g. Wikibook or Wikipedia Editing or Critiques
- Ask students to critique a wikibook or page from Wikipedia

Try the R2D2 and TEC-VARIETY!
Poll #2: Is your brain mush?
1. Yes.
2. No.
3. Not sure yet...

Framework #4:
From Tinkering to Tottering to Totally Extreme Learning...
Tinker #5. Collaborative Groups (Google Docs, Ning, Google Groups, MSN Groups, Yahoo Groups)

Tinker #6. Case Learning and Role Play (Kelley Direct, IU)

Tinker #7. Online Experiments (e.g., psychology)

Tinker #8. Reading from Open Access Journals; Listen to Open Access Podcasts

Tinker #9. Track Life of a Scientist or Famous People (e.g., Brian J Ford, independent scientist)

Tinker #10. Online Portals of Rich Data
   United Nations Opens World Digital Library, Turning the Pages from the British Library, etc. (history, culture, literature, writing, art, etc.)
**Totter #1. Bridges to World of Expert and Practitioners**
(e.g., Invite, Watch, or Listen to Online Conferences, Expert Interviews, blogs, chats, etc.)

**Totter #2. Global Class Videoconferencing and Remote Lands**
(e.g., The seminar was structured on a model of virtual conferences and virtual classes in e-learning platforms, supported by the model of the Medical and Veterinary Corps of Cuban army located in EEUU, Ministry of our TELs in South of the Inspector Command Air, which is deeply involved in the specific issues of all populations of the region in the province of Napa.)

**Totter #3. Combining Asynchronous and Synchronous Events**

**Totter #4. Multi-Site Events**
(e.g., William and Mary, March 3, 2011)

**Totter #5. Online Language Learning and Conversations**
(e.g., PalTalk, iTalki, Palabea, Babbel)
Totter #6. Wikibooks, Wikipedia editing, wiki syllabi, wiki glossaries (Ron Owston, York University, Toronto)

Totter #7. Podcast Productions and Virtual Performances for students of pronunciation class (e.g., Tzu-Su Chen, Taiwan)

Totter #8. Video Blogging

Totter #9. Uploading Mobile Books (e.g., BookRix, http://www.bookrix.com/)


Totally Extreme Learning
**Totally Extreme #1. Immediate Science**
*Ida* (a transitional species) 47-Million-Year-Old Fossil
the Missing Link? (May 20, 2009)

**Totally Extreme #2. Live Science**
(Nautilus Live allows people to watch expeditions live &
listen to scientists in control rooms a discoveries made)

**Totally Extreme #3. Armchair Archeology**
UCLA Summer Digs Program

**Totally Extreme #4. Adventure Learning**
(e.g., GeoThentic, Earthducation, Polar Husky,
GoNorth; Aaron Doering, Univ of Minnesota; cars and
bikes--Dan Grec and Mark Beaumont)

**Totally Extreme #5. The Last Ocean**
Project, Ice Stories, and Shark Theater
(24 foot inflatable screen (and outdoor ocean theater) to tiny island
communities)
http://www.lastocean.com/ and
http://lastocean-project.org/; Cassandra Brooks

**Totally Extreme #6. South African teens get**
virtual mentoring from all over the world, By
Danielle Berger, CNN, January 14, 2011
Totally Extreme #7. Open Teaching and Massive Open Online Courses (i.e., MOOC, David Wiley, George Siemens, Ray Schroeder)

Totally Extreme #8. International and Global Education and Competitions (e.g., Global Game Jams, online role play, Global Videoconferencing)

Totally Extreme #9. Telepresence and Teleportec Systems (e.g., Cisco and HP)

Totally Extreme #10. Military Mobile Learning and MBAs from War Zones (U.S. Army Learning Concept for 2015; 2011, January 15).

Is this a revolution?
Mobile Platform Storytelling Entrance

HOPES: Humanity's Open Platform for the Exchange of Stories

DREAMS: Design Research for an Engaging and Active Mobile System

DREAMS: Design Research for an Engaging and Active Mobile System

- Online Language Learning Sites: Babbel, Livemocha, ChinesePod, Denglish
- Central, BBC-Languages, Merriam, Yowmoo, Fun Talk, Long, VocalTight, Xemfair
- Social Change/Global Education: The Flat Classroom Project, Link TV, Slice offers, E4You, First Ride, MDeVivo.com, Infiniti Family Continuum Education Project
- Virtual Education: Khan Academy, Open Yale, World Vision, MIT OCW, Sophia
- Peer 2 Peer University, Flint Virtual School, Webster Open High School Utah
- Learning Portals: JuraJoker.org, Einstein Archives Online, Storytopia Online, June Goodall Institute, Dartfire, MERLOT, Connections, EncyclopediaOfLife, SciDoc
- Shared Online Videos: Link TV, Boz TV, Current TV, YouTube GEM, Science Table, Big Think, Fatu TV, Clip Chef, Wondershowtob Houston, TED Lesson, MIT World, Academy Earth, BBC Video Nation, CNN Presents, History for Music Lovers

Time to Stretch the Edges?

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
Email: curt@worldisopen.com

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