

e3Learning Tools: Showcasing and Test Driving

November 9, 2005

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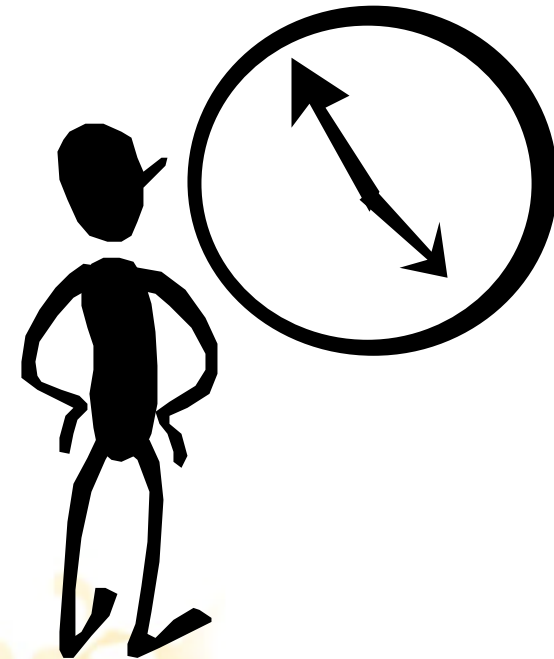
Paul Lam, The Chinese University of Hong Kong





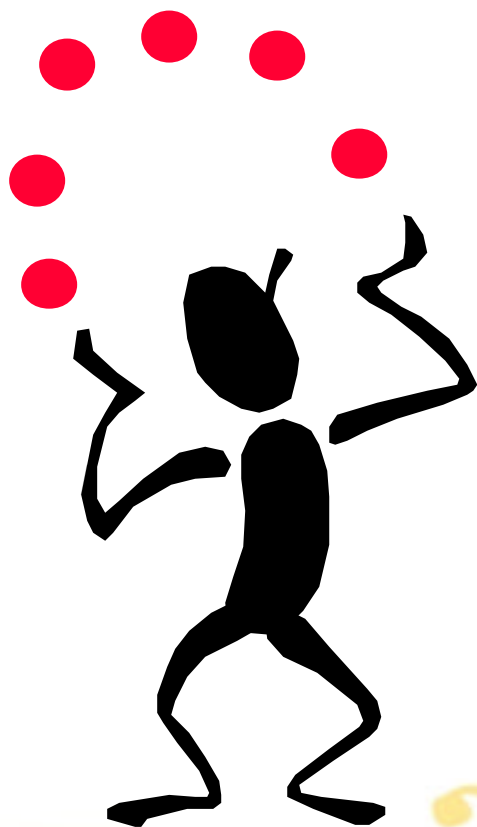
Agenda

- ✍ Who we are and what we want from this session
- ✍ e3Learning project structure
- ✍ Overview of types of e-interactions
- ✍ Hands on & debrief:
 - ✍ Interaction with content
 - ✍ Interaction with peers
 - ✍ Interaction with instructors
- ✍ ePlanning Matrix discussion
- ✍ AOB





Who we are (I)



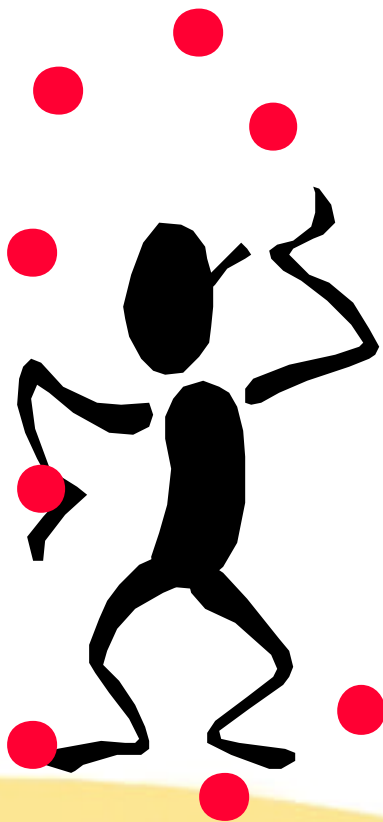
✍ How long have
you been doing
this?

✍ What is your role?



Who we are (II)

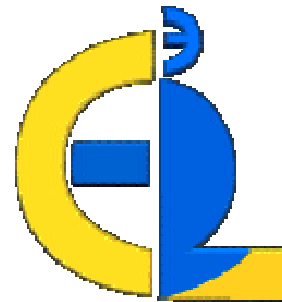
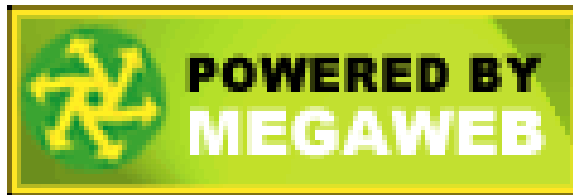
What do you want to get out of this session?



- _____
- _____
- _____



A story of two projects to support teachers



Visit website at: <http://megaweb.polyu.edu.hk/>

Visit website at: <http://e3learning.edc.polyu.edu.hk>



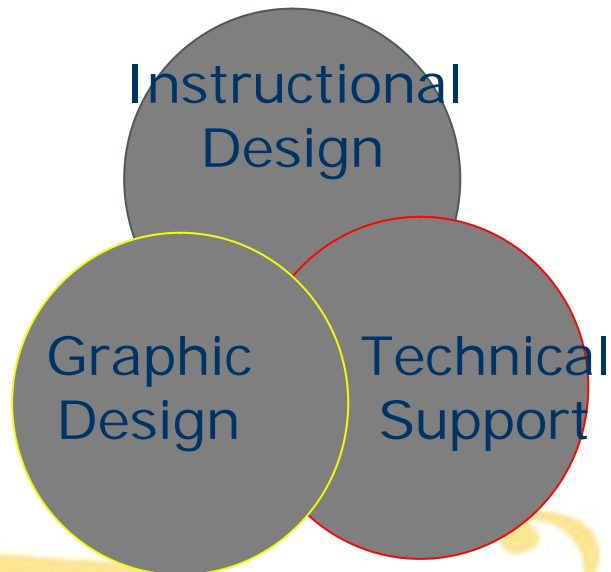
MegaWeb: Background

- ✍ Government funded grant 1998-2002
- ✍ “Enhancing Learning, Teaching, and Curricula with a University-wide Integrated World Wide Web Framework”
- ✍ Over 400 meetings with staff
- ✍ 241 sites built
- ✍ 7 full time project staff, MANY part-time student employees



MegaWeb: Support for the development of high quality web sites

✍ Multiple inputs into design and development of sites



Flexibility



e³Learning: A collaborative project based on three domains

✍ A two year project starting October 2002

✍ “The Development of a Comprehensive Web-enabled Learning System: a Collaborative Project Based on Three Domains – **New Technologies, Site Development, and Evaluation**”

Visit website at: <http://e3learning.edc.polyu.edu.hk>

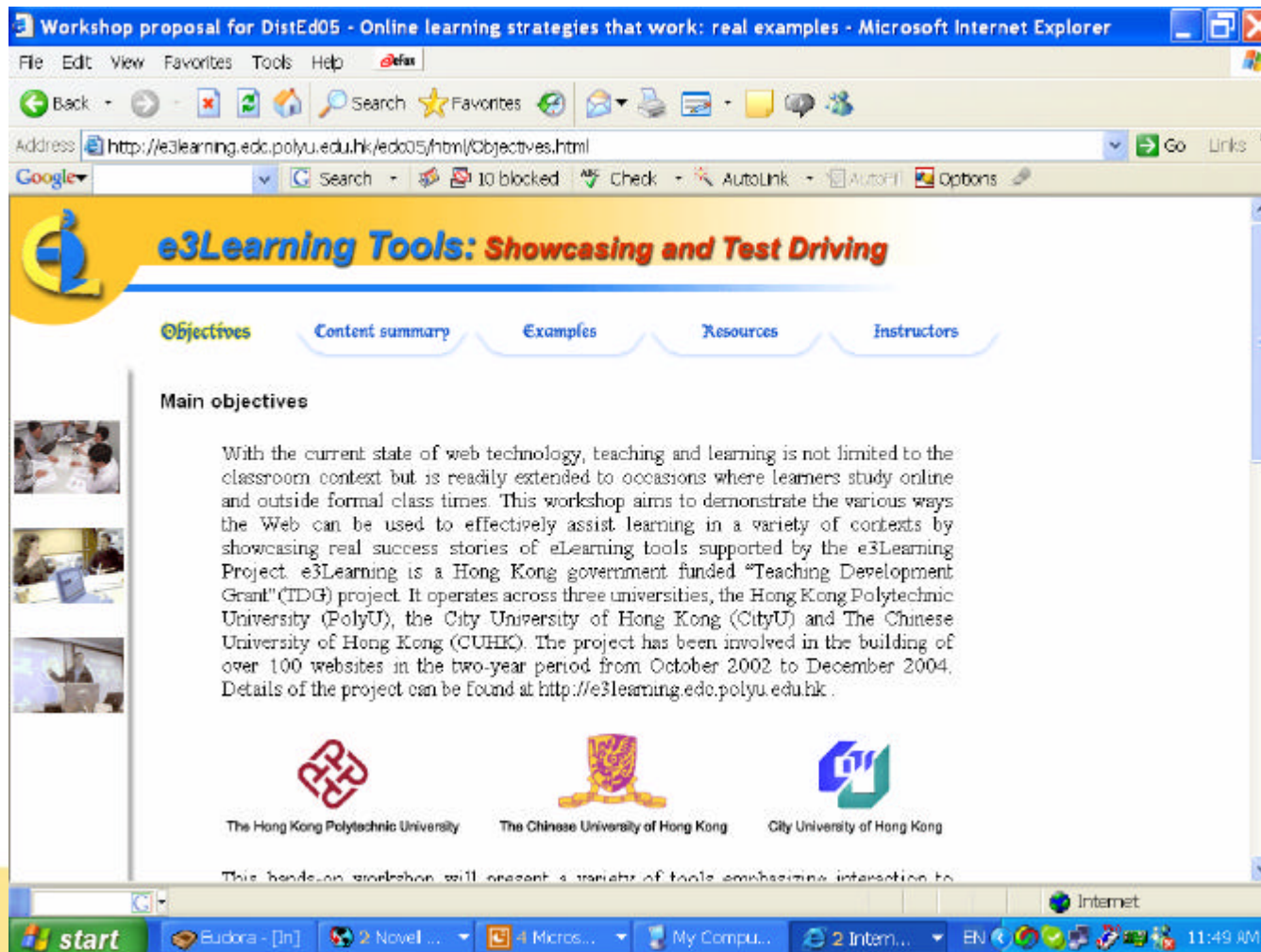


e3Learning Project Services

- ✍ 70 Subject websites with evaluation
- ✍ 35 Website enhancements
- ✍ 34 Adjunct and support sites
- ✍ Many consultations
- ✍ 10+ local workshops
- ✍ International dissemination



[http://e3learning.edc.polyu.edu.hk/
edc05/](http://e3learning.edc.polyu.edu.hk/edc05/)

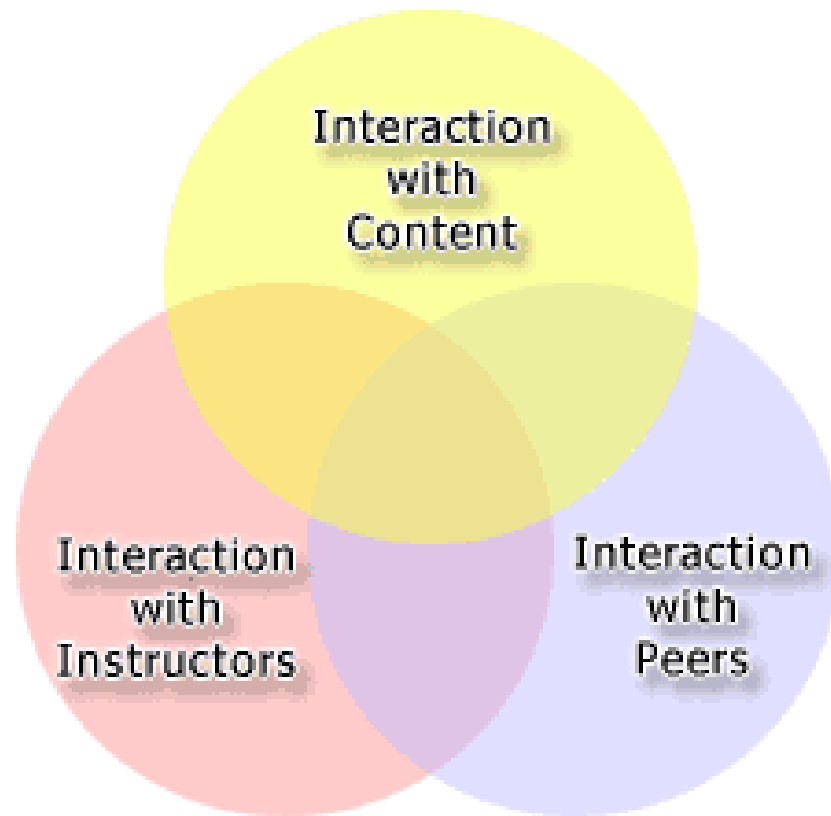
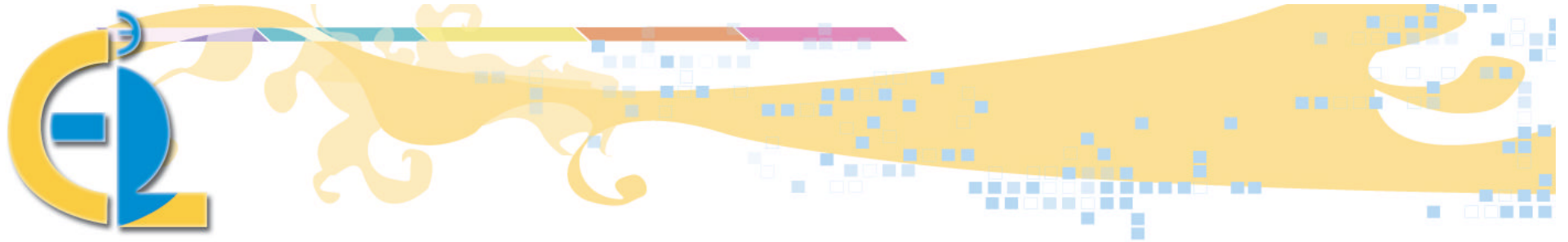


CDrom



Web





What kinds of interactions have you...

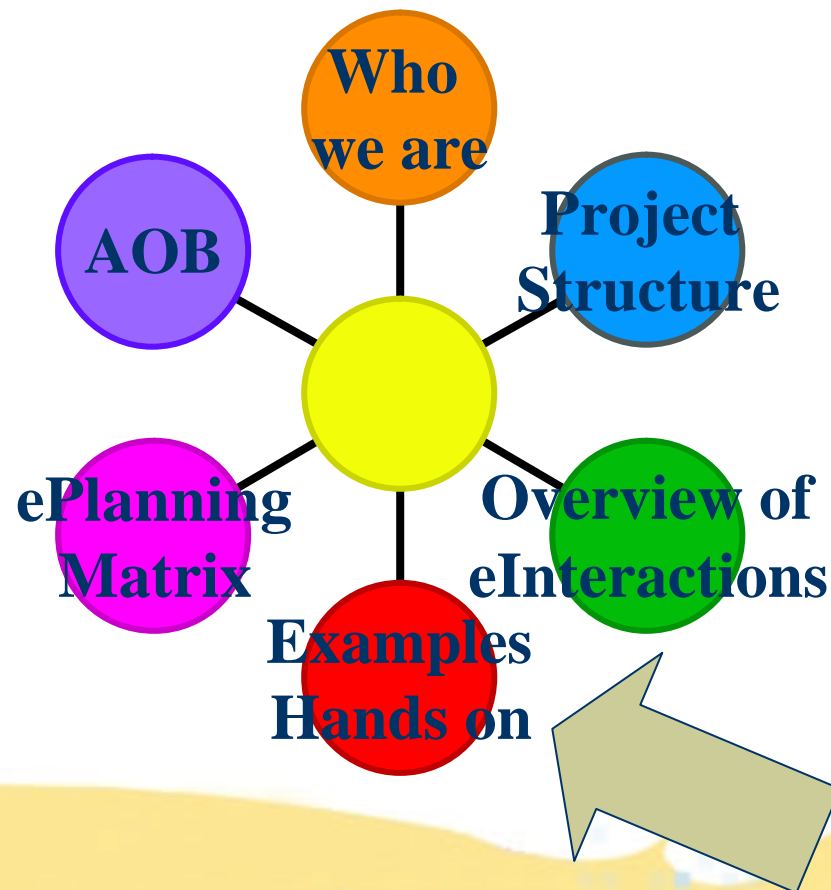
- ✍ Experienced?
- ✍ Used in your teaching/course development?

Karen Swan 2003 Paper

Karen Swan PPT



Time for Hands On...



- ✍ In small groups try the examples in a category
- ✍ First: note your general impressions on the Worksheet
- ✍ Later: Select ONE to describe to larger group (use “ePlanning Matrix”)

Let's take a look together first...



CDrom



Web



- ✍ Chose ONE example in the category
- ✍ Be prepared as a group to share:
 - ✍ Likes
 - ✍ Dislikes
 - ✍ Potential applications
 - ✍ ePlanning matrix comments



Interaction with content



CDrom



Web



- ✍ Chose ONE example in the category
- ✍ Be prepared as a group to share:
 - ✍ Likes
 - ✍ Dislikes
 - ✍ Potential applications
 - ✍ ePlanning Matrix comments







List of content examples




Just-in-time information through online references

-  Glossary of Medical Terms
-  Mandarin Pronunciation



Better explanation of dynamic concepts through animation and simulation

-  Nuclei behavior
-  Virtual Laboratory
-  Retiniscopy
-  Earth pressure








Application of concepts through online cases

-  Vignette
-  Video case study
-  Story telling






Improvement of procedural knowledge through videos

-  Online Workshop
-  Online video library



Consolidation of knowledge and skills through self-assessment with feedback

-  Self assessment
-  Flash cards
-  Bingo game
-  Drag-n-drop
-  Fluid Flow
-  Sedimentation
-  Centrifuge

Learning through playing educational games

-  Crossword Puzzle
-  Grammar Slot Machine
-  Fluid Flow in Pipe
-  Material Balance
-  Role Play Game

Increasing assessability through mobile-learning

-  Course Materials in the Pocket
-  Tracking Materials Usage in PDAs



What do you think?

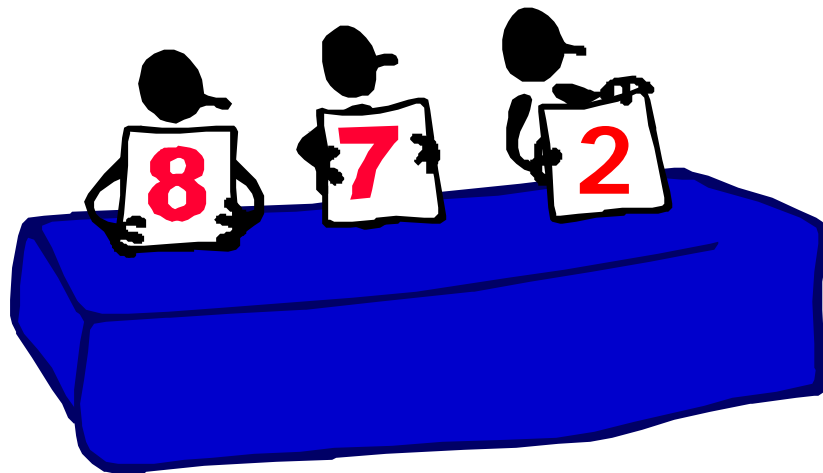
Of the **content** examples
you saw...

 What did you:

 Like?

 Dislike?

 Potential applications?



Interaction with peers & instructors



CDrom



Web



- ✍ Chose ONE example in each category
- ✍ Be prepared as a group to share:
 - ✍ Likes
 - ✍ Dislikes
 - ✍ Potential applications
 - ✍ ePlanning Matrix comments



List of peer examples

- ✍ **Building an online learning community**
 - ✍ Corner cafe
- ✍ **Peer learning through online group work**
 - ✍ Online group work
- ✍ **Challenging each other's ideas through peer commenting and discussion**
 - ✍ Peer commenting
 - ✍ Online debate
- ✍ **Reflective learning through peer critiques and revision of assignments**
 - ✍ Peer critique of group assignments
- ✍ **Building a larger learning community through inter-cultural exchanges**
 - ✍ Cultural exchange between Hong Kong and Korea
- ✍ **Better understanding through synthesis and creation by doing multimedia projects**
 - ✍ Cybernetic Show





List of instructor examples

Clarification of ideas with teachers through chat-rooms and discussion forums

-  Discussion forum of vignette
-  Chat room dialogue

Extended discussion on news and controversial ideas

-  Discussion forum using news
-  Discussion forum on controversial ideas

Answering students' questions about the course using forum & FAQ

-  FAQ of submitting assignments

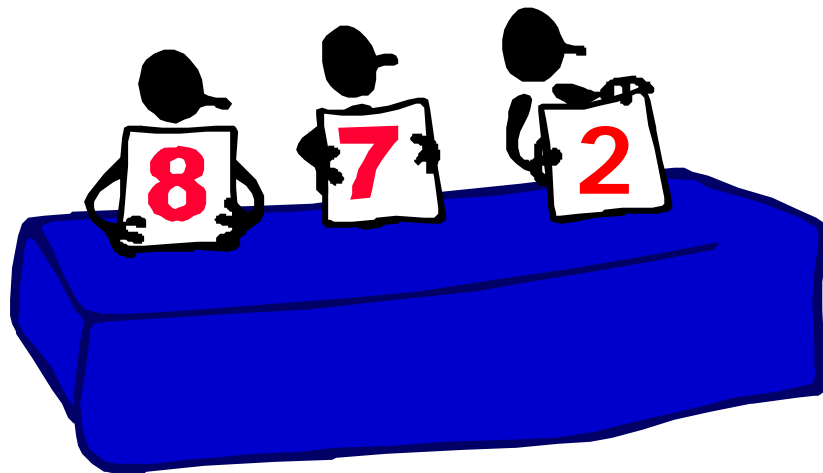
Sharing expertise through video conferencing

-  Presentation using video conferencing



What do you think?

Of the **peer & instructor**
interaction examples
you saw...





 What did you:

 Like?

 Dislike?

 Potential applications?

Application to your own context

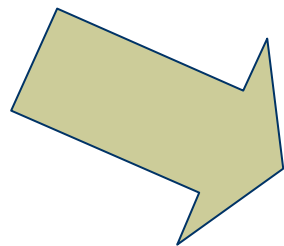
-  Review your priority scoring on the “ePlanning checklist”
-  What have you seen today that might help you better address your priority goals?





Any comments or questions?

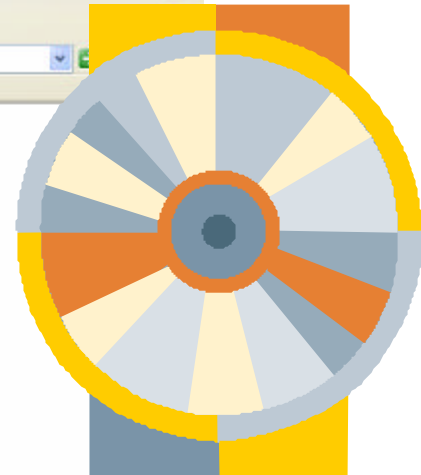
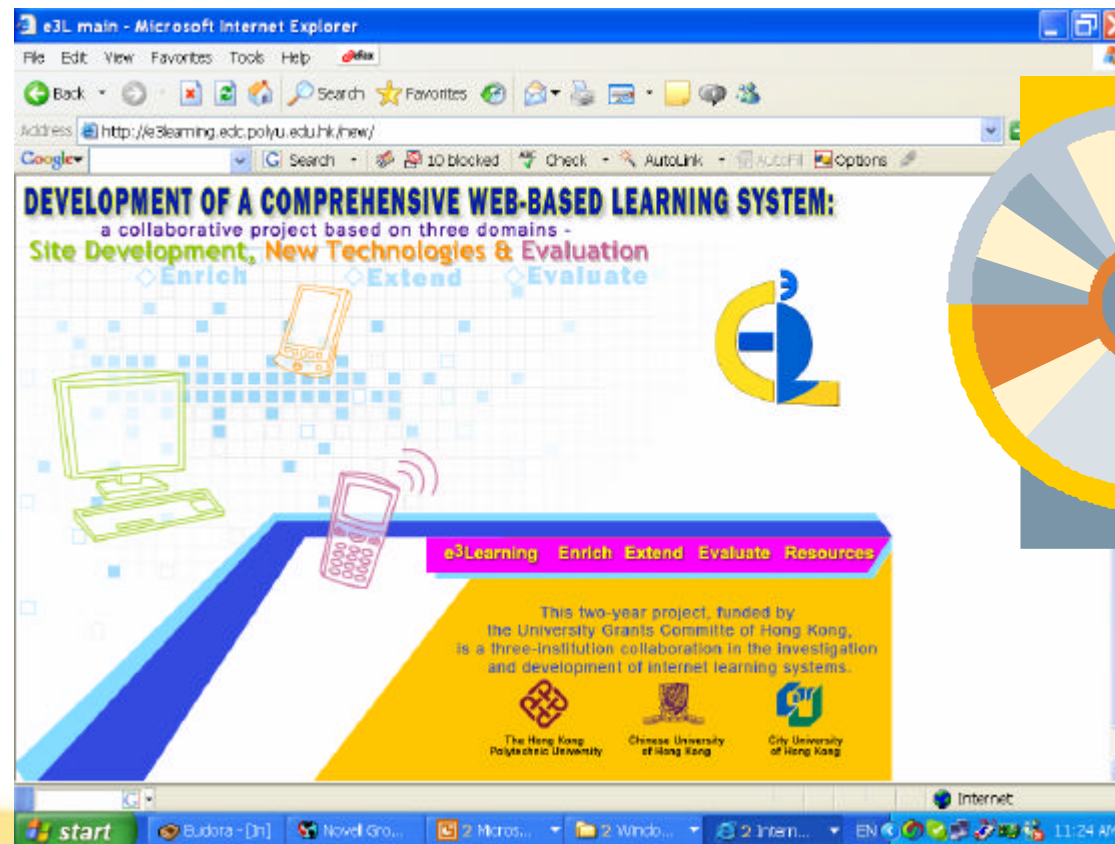
Have your goals
been met?

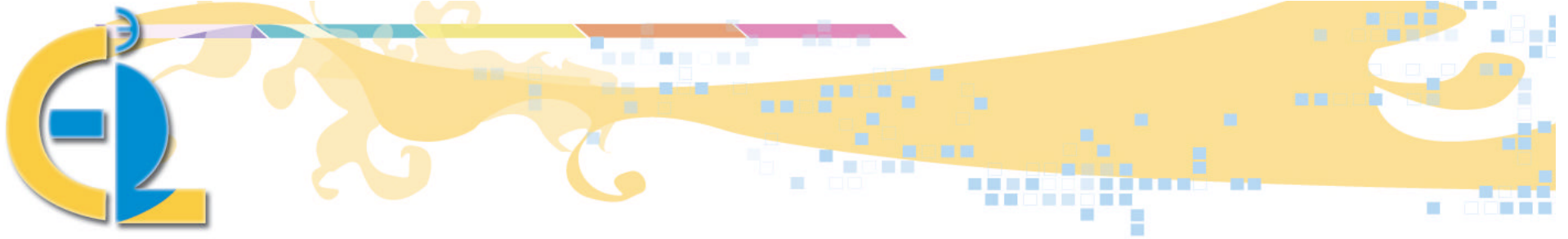




For your future reference

<http://e3learning.edc.polyu.edu.hk>





From today's
session...

what's your
“keeper”