

Selected workshop slides

May 21, 2010

Cambridge, Massachusetts

Tools  
Techniques  
to ***Increase***  
***Student***  
***Participation***

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*“Would you tell me, please,  
which way I ought to go  
from here?”*

*“That depends a good deal  
on where you want to get to,”  
said the Cat.*

*“I don’t much care where –” said Alice.*

*“Then it doesn’t matter which way you go,”  
said the Cat. “– so long as I get somewhere,”  
Alice added as an explanation.*

*“Oh, you’re sure to do that,” said the Cat,  
“if you only walk long enough.”*

– Lewis Carroll, *Alice’s Adventures in Wonderland*

What I **hear**, I forget.  
What I **see**, I remember.  
What I **do**, I understand.

– Confucius

***“Learning is not a spectator sport.***

*Students do not learn much just by sitting in class listening to teachers, memorizing prepackaged assignments, and spitting out answers.*

*“They must talk about what they are learning, write about it, relate it to past experiences, apply it to their daily lives. **They must make what they learn part of themselves.**”*

Chickering, A. & Gamson, Z.F. (March 1987)

“Seven principles for good practice.” *AAHE Bulletin* 39: 3-7

# A Shift in Focus...

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	Teaching/Teacher Focus	Learning/ Learner Focus
Course Design	What do I want to teach?	What do <i>students</i> need to learn?
Teacher's Role	What will I do to teach this material?	What will <i>students</i> do to learn this material?
Success Criteria	How well do I perform in the classroom?	How well do my <i>students</i> perform in and out of the classroom now and in the future?

Adapted from Fink, L.D. (2003)

# Course Design

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Three basic learning design elements

- **Goals**

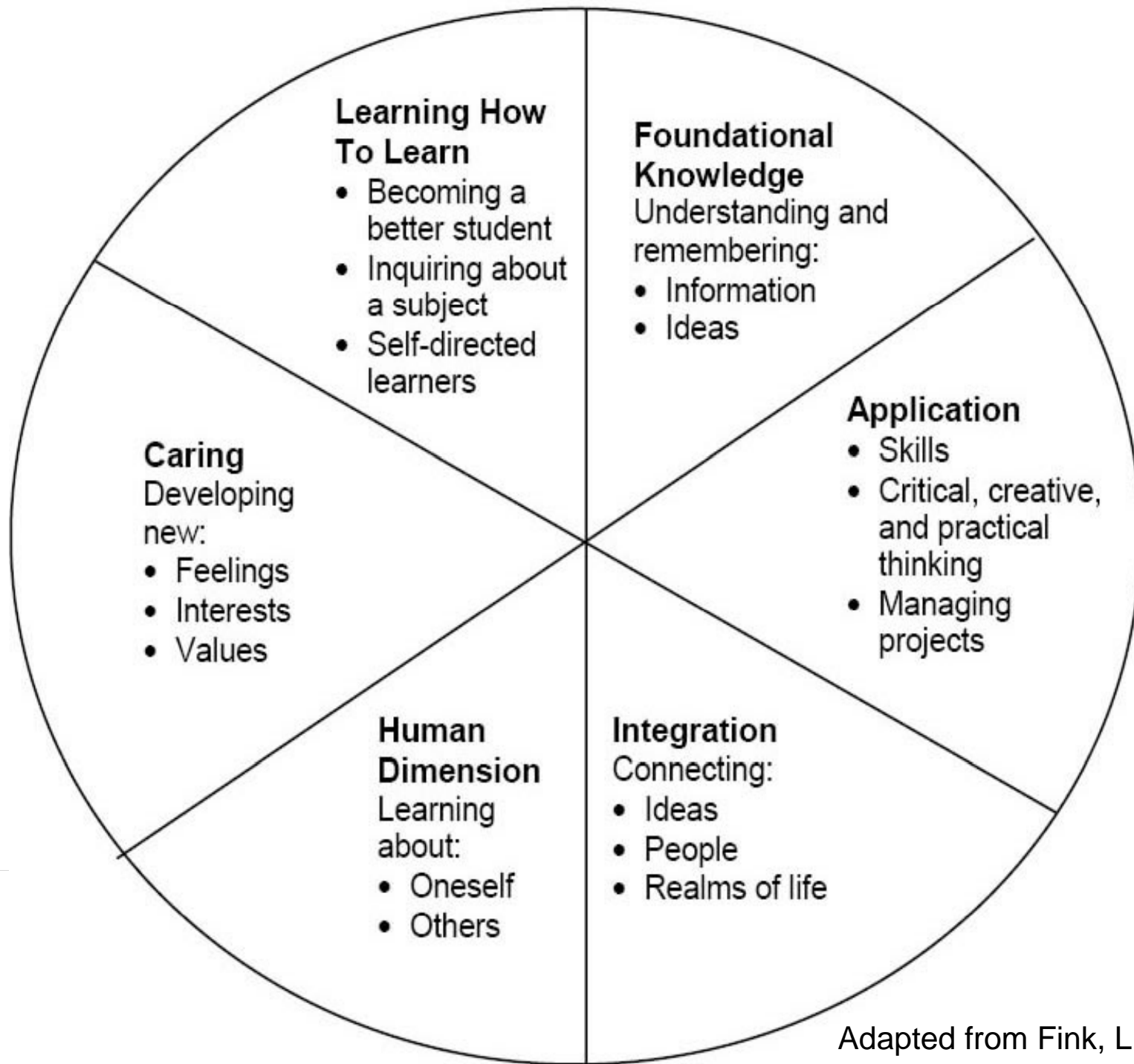
*What are students expected to learn?*

- **Activities**

*How students will learn?*

- **Assessment**

*How will student learning be measured?*



Adapted from Fink, L.D. (2003)

# Cognitive Learning Levels

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<b>Level 1: Remember</b>	<b>Level 2: Under- stand</b>	<b>Level 3: Apply</b>	<b>Level 4: Analyze</b>	<b>Level 5: Evaluate</b>	<b>Level 6: Create</b>
<i>Retrieve relevant knowledge from long-term memory</i>	<i>Construct meaning from instructional messages, including oral, written, and graphic</i>	<i>Carry out or use a procedure in a given situation</i>	<i>Break material into parts and relate to one another and to larger structure/purpose</i>	<i>Make judgments based on criteria and standards</i>	<i>Put elements together to form a coherent/functional whole; reorganize into new patterns</i>

Adapted from Anderson, L.W. & Krathwohl, D.R. (Ed.). (2001).  
*A Taxonomy for Learning, Teaching and Assessing*

(The complete chart is included on page 4 of the associated 4-page workshop handout.)

**Teachers speak  
at 100-200 words  
per minute**

***Students generally hear and process  
at 50-100 words per minute***

# Active Learning

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“Active Learning is, in short, ***anything that students do in a classroom other than merely passively listening*** to an instructor's lecture.

“This includes everything from listening practices which help the students to absorb what they hear, to short writing exercises in which students react to lecture material, to complex group exercises in which students apply course material to "real life" situations and/or to new problems.”

*Paulson & Faust, California State University, Los Angeles,  
<http://www.calstatela.edu/dept/chem/chem2/Active/index.htm>*

# QUIZ SHOW

Click to enter

Quiz Show					
Presidents (before 1800)	Presidents (1800-1850)	Presidents (1850-1900)	Presidents (1900-1950)	Presidents (1950-2000)	Presidential Pets
100	100	100	100	100	100
200	200	200	200	200	200
300	300	300	300	300	300
400	400	400	400	400	400
500	500	500	500	500	500

Round 1 ▶

# QuizShow: Copyright Free

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# Running QuizShow with Windows 7

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- QuizShow was initially developed to run under Windows XP. To run QuizShow with Windows 7, you need to use the “XP mode.”
- Visit this link to determine if your computer can run XP mode. There are also links to download required software.  
<http://www.microsoft.com/uk/windows/virtual-pc/download.aspx>
- Here’s a video you can also watch.  
<http://windows.microsoft.com/en-us/windows7/help/videos/using-windows-xp-mode>

# Workshop Handout

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*Additional references, resources, and links mentioned during this workshop may be found in the 4-page workshop handout*