



E-Learning Forum Asia 2009

Smart Ambience Classroom: **Dancing Koto**
and **de Bono's Six Thinking Hats**

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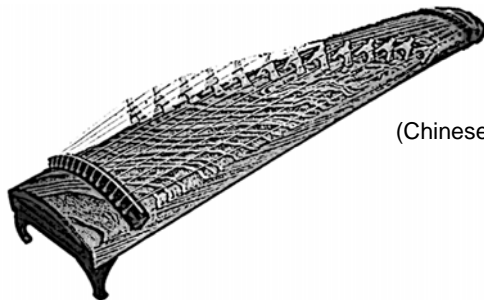
Smart Ambience Classroom

1st Example

“Dancing Koto”

Dancing Koto
(A 3-D multi-media information
management tool)

The interactive
movement-sound-video experience



(Chinese & Japanese Relaxation Tool)

Dancing Koto Application (A 3-D multi-media information management tool)

The application aims for:

- 1) Users' (esp. Chinese & Japanese) **relaxation, self-complacency** and **meditation**.
- 2) Performing body movement like **kung fu (e.g. Tai chi chuan)** or dance steps.
- 3) Viewing the Chinese Poem messages with the Koto sound which helps to put in users' soul. (2-way interaction and affects)
- 4) Fulfilling enjoyment and satisfaction of users while they synchronize their motion with the Koto sound and video.

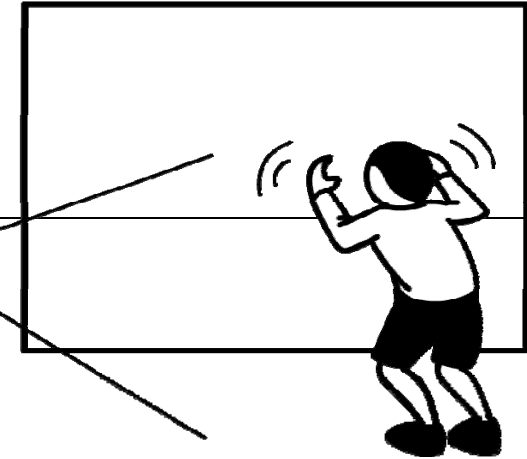
1

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Enter the filename, Click Confirm.

2

Camera



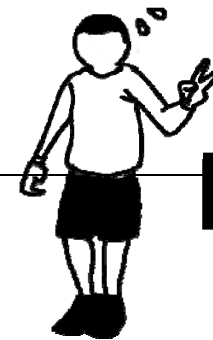
Dance or move in front of the camera.

3



Feel the Chinese Poem and listen to the Koto sound.

4

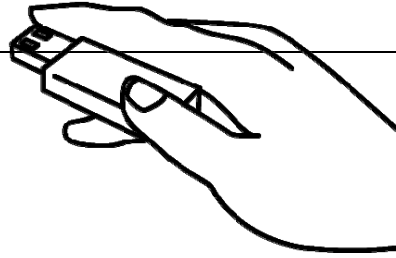


FINISH

Congratulations! Finish!

5

Data



Store your performance file to the memory stick.

Smart Ambience Classroom

2nd Example “de Bono’s Six Thinking Hats”

WHAT “Six Hats”?

- There are six colored hats and each color represents a type of thinking:
 - White Hat (**information**)
 - Red Hat (**feeling**)
 - Black Hat (**critique**)
 - Yellow Hat (**benefit**)
 - Green Hat (**energy and freedom**)
 - Blue Hat (**control and direction**)

WHITE Hat (information)



- The white hat means neutral information
- This is not a matter of argument or making suggestion
- White hat thinking focuses directly on the available information
- Information is very important for thinking, so it is useful to have a way of being able to focus directly on information
- Under the white hat there are three key questions:
 - What information do we have?
 - What information is missing?
 - How do we get the information we need?

RED Hat (feelings)



- The red hat is for feelings, **emotions**, perception and intuition
- Feelings are a very important part of thinking
- We seek to be objective but are rarely objective
- In the end all choices or decisions are based on feelings
- Feelings are valuable so long as we label them as feelings:
 - No justification is required (Don't ask me why, but I just got the feelings)
 - Focusing on the feelings "at the moment" (You may change your feelings later)
 - It is perfectly possible to have mixed feelings (You may feel good about some aspects and bad about others)

BLACK Hat (critique)



- Think of a stern judge
- The black hat is concerned with truth and reality
- It is the hat of **critical thinking**: "Is this right?"
- It is certainly the most used and valuable of all the hats
- It prevents us from making mistakes and doing silly things
- Under the black hat there are a number of questions:
 - Is it true?
 - Does it fit?
 - Will it work?
 - What are the dangers and problems

YELLOW Hat (benefit & optimism)



- Think of sunshine and optimism
- The yellow hat is full of hope, but as it is logical hat the reasons behind the hope must be given
- In general, the yellow hat is looking forward into future: "If we do this, then these benefits will arise..."
- The yellow hat thinks asks the following questions:
 - What are the **benefits**?
 - Why should it work?

GREEN Hat (energy and freedom)



- Think of grass, trees, vegetation and growth
- Think of energy of growth and fertility
- The green hat is the hat for **creative** thinking that may mean: bringing something about or make something happen; and new ideas, new alternatives, new solutions, & new inventions
- This is active thinking, not reactive thinking
- The five main uses of the green hat are as follows:
 - Exploration
 - Proposals and suggestions
 - **Alternatives**
 - New ideas
 - Provocations

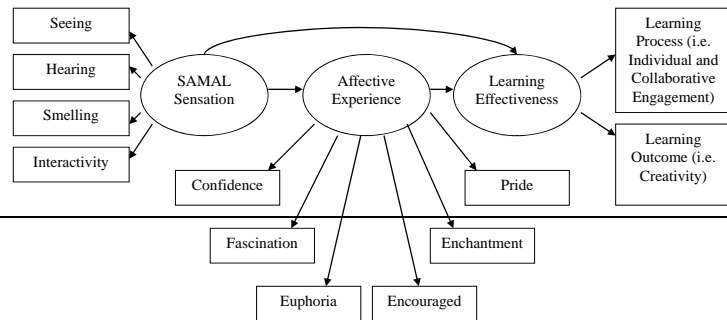
BLUE Hat (control and direction)

- Think of the blue sky and the sky is above everything
- With the blue hat thinking, you are above the thinking: you are looking down at the thinking (**thinking about thinking**)
- The blue hat is the overview, **process control**, and is like the conductor of the orchestra
- The blue hat covers the following points:
 - Where are we now?
 - What is the next step?
 - Program for thinking
 - **Summary**
 - Observation and comment



SEQUENCE “Six Hats”?

- General sequence:
 - Yellow > Black
 - Black > Green
 - Black > Red
 - Start with Red (with strong feelings about the subject)
 - Start with White (without strong feelings about the subject)
 - (White) > Green > Yellow > Black > Red
- **Sequence for seeking an idea:**
 - White > Green > Yellow > Black > Green > Blue > Black > Red
- Sequence for reacting to a presented idea:
 - Red > Yellow > Black > Green > White > Green > Black > Red
- Short sequences:
 - Yellow > Black > Red (For quick assessment of an idea)
 - White > Green (To generate ideas)
 - Black > Green (To improve an existing idea)
 - Blue > Green (To summarize and spell out the alternatives)
 - Blue > Yellow (To see if the thinking has had any benefits)



Research Model: Smart Ambience Learning for Information Management

Thank You