FUTURE SCHOOLING: LEARNING WHEN INFORMATION IS AT YOUR FINGERTIPS

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WHAT WAS THE MAIN CONTRIBUTION OF EMPEROR SHI HUANGDI TO CHINA?

☐ A. HE UNIFIED MOST OF CHINA UNDER ONE GOVERNMENT

☐ B. HE ESTABLISHED A PUBLIC EDUCATION SYSTEM IN CHINA

☐ C. HE REQUIRED CITIZENS TO USE THE MONGOL LANGUAGE

☐ D. HE ENCOURAGED ACCEPTANCE OF THE HINDU RELIGION
How did the rise to power and reign of Alexander most affect Greece?

A. He established a peaceful relationship with the Persian Empire

B. He strengthened greatly the concept of democratic rule

C. He made Macedonia into the intellectual center of the Hellenistic world

D. He ended the power of the city-states and established a unified nation
The Tenth Amendment was added to the Constitution to resolve which of the following debates surrounding the development of the Constitution?

- A. Division of powers among branches of government
- B. The annexation of new lands into the country
- C. Balance between national and state power
- D. Representation of states in the legislative houses
5. Danville’s elevation is 12 feet above sea level, which can be represented by +12. The sum of Centerville’s elevation and Danville’s elevation is 0. What is Centerville’s elevation?
   A. −24
   B. −12
   C. 0
   D. 12

16. The two rectangles at the right are not similar because—
   A. the perimeters are not equal
   B. their corresponding sides are not in proportion
   C. the areas are not equal
   D. their corresponding sides are not equal

10. The graph of $y = -\frac{1}{2}x + 1$ is at the right. What is the x-intercept?
   A. 2
   B. 1
   C. 0
   D. −1
KEY LESSONS

☐ INFORMATION RECALL DRIVES THE EDUCATIONAL ENVIRONMENT

☐ BREADTH > DEPTH

☐ TECHNOLOGY OF PENCIL AND PAPER DRIVES WHAT IS DONE

☐ MASS STANDARDIZATION DRIVES BOTH CONTENT AND ASSESSMENT
WHAT WE KNOW ABOUT LEARNING

☐ HOWEVER, WE LEARN BEST WHEN WE ARE:

☐ ACTIVE

☐ DOING

☐ PERSONALLY-ENGAGED

☐ SOCIALLY-CONNECTED

☐ ABLE TO THINK, EXPRESS, CONSTRUCT, REPRESENT IN MEDIA WITH WHICH WE ARE FLUENT AND COMFORTABLE*

☐ REFS: DEWEY, MONTESSORI, PAPERT, PIAGET, ...

Thursday, May 26, 2011
LEARNING AND KNOWING IS FAR MORE THAN THE ABILITY TO STORE AND RECALL INFORMATION IN TEXTUAL FORM (AND THAT IS OBSOLETE ANYWAY)

NEW TECHNOLOGIES ENABLE NEW POSSIBILITIES

PERSONALIZATION IS MORE FELICITOUS FOR LEARNING THAN STANDARDIZATION, (BUT NOT JUST PERSONALIZATION OF PRESENTATION OF INFORMATION, RATHER, PERSONALIZATION THROUGH ENGAGEMENT)
NEED TO RE-THINK THE LEARNING ENVIRONMENT

☐ HOW WE LEARN
☐ WHAT WE LEARN
☐ WHERE WE LEARN
☐ WITH WHOM WE LEARN
WHAT WE’RE DOING

- ILABSCHOOL AS AN EXEMPLAR OF WHAT EDUCATION CAN BE
- ILABSCHOOL NETWORK TO SPREAD IDEAS AND CHANGES GLOBALLY, MAKE SYSTEMIC IMPACT, & BRING IDEAS AND PEOPLE FROM EVERYWHERE TO CONTRIBUTE
- IPARTNER NETWORK AS MEANS TO COLLABORATE, ADD DEPTH & BREADTH, DEVELOP & SPREAD POWERFUL IDEAS

Thursday, May 26, 2011

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WHAT WE’RE DOING

- NEW LEARNING ACTIVITIES, CONTENT AND MATERIALS
- NEW ENVIRONMENTS AND TOOLS FOR LEARNING & COLLABORATION
- NEW IDEAS ABOUT MAKING SYSTEMIC TRANSFORMATIVE IMPACT
Figure 2. A screenshot of the PyoLogo programming environment
Description of the strategy:

If beam_falls_to_the_left
  Then move_the_car_to_the_left
If beam_falls_to_the_right
  Then move_the_car_to_the_right

Implementation in Logo:

If angle < 0 [ setpower 8]
If angle > 0 [ setpower -8]
LESSONS

- The power in computational technology for learning lies in its interaction, connectedness, and expressiveness; not merely in its ability for presenting information.

- Build open environments for expression, construction, design & collaboration, not merely focused on delivery of information.

- What counts in assessment for learning is being able to think clearly & critically, to do, to create, to communicate, to solve problems: not merely to recall information.