1 ***Strategies for Effective Elementary Technology Integration***

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www.wtvi.com/teks/integrate/tcea2001

2 Today's Learning Points

- If you don't have the vision, you can't see the picture
- How do we learn to integrate technology?

3

"In a global economy, it is education, not location, that determines the standard of living."

-Albert Hoser, CEO of Siemens

4 Will you see the picture?

"It's philosophy, not technology, that is going to make a difference in your classroom."

Dr. Allen Glenn, Dean of COE, Univ of Washington

5 Technology is a TOOL:

6 Living with the TAAS

- How is technology use perceived by most teachers?
- TAAS ≠ the ultimate educational achievement
- TAAS = standard expectation we fulfill along the way in our educational journey

7 Roger Wagner ...

"The world is moving from word-based communication to a technology mediacentric society."

8 The World has changed

- "Law of The Photon"
- Floppy Disk = 1.4 MB
- 1 Compact Disk = 650 MB (entire GME)
- Ethernet speed is 10 Mbps: 1 CD-ROM in 60 seconds
- Fiber Optics = 10 Gbps
- 1 fiber strand can transmit 8000 CD-ROMs per second

9 The speed just gets faster

- Lucent Bell Labs has achieved transfer rate of 5 trillion Gigabits per second
- Jan 2001: Lucent announced 1.6-trillion-bit-per-second networking system (320 million
- one-page e-mails simultaneously)
- Bandwith triples every 12 months at current rates
- Prediction is this will continue for 20 years
- We are in the stone age of the photonics age

10 Jobs of the Future

85% of the jobs for today's 5th graders (when they graduate) have not been invented yet

11 How can we learn to change?

12 Putting Integration in Perspective:

1)Entry

2)Adoption

3)Adaptation

4)Appropriation

5)Invention

13 ACOT Key Competencies

- Dynamically explore and represent ideas
- Able to experiment and problem solve
- High degree of social awareness and self confidence
- Effective communication of ideas, using tools

14 ACOT Key Competencies (2)

- Use computers productively
- Are independent learners
- See themselves as collaborators and experts
- Have a positive orientation to the future

15 What is our Focus?

If you focus on TECHNOLOGY, you will just do what you are already doing

16

"I used to think that technology was going to be an equalizer in society and that more people

would get more opportunity. I don't think that anymore. Now I think that the impact of technology is that it's an amplifier of the rich getting richer and the poor getting poorer. My concern is that as we buy more and more technology for the schools, we are actually part of the problem of making the rich richer and the poor poorer because the real action is at home."

-Alan November

17 Why are we here?

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