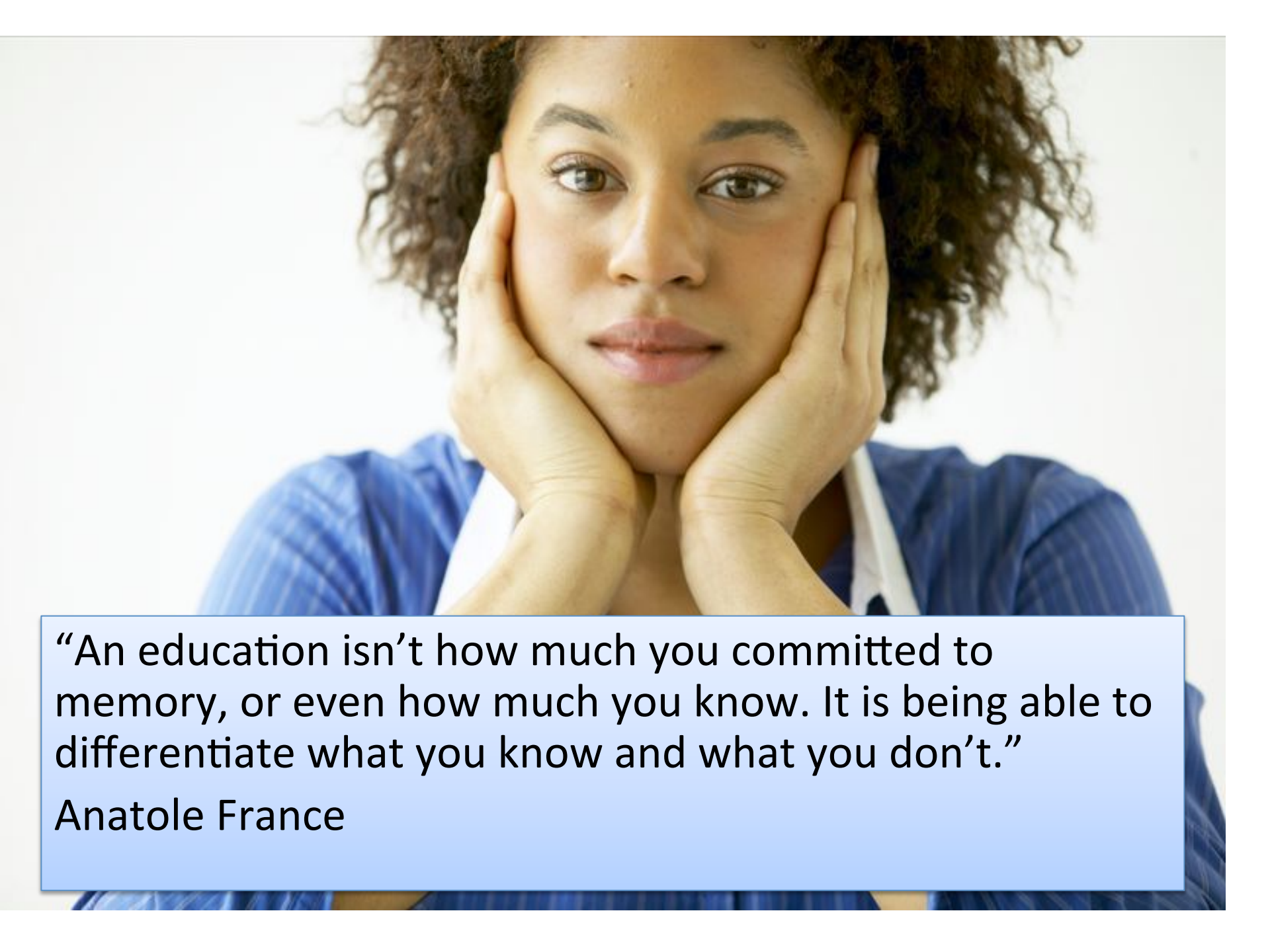




Technology Integration

Is technology happening in our schools?



“An education isn’t how much you committed to memory, or even how much you know. It is being able to differentiate what you know and what you don’t.”

Anatole France

Question

- Is technology Integration happening in our schools?

Are we catering to our students?



Digital natives, Digital immigrants

- We are living in an era where the students are the digital natives and many of the teachers are digital immigrants (Prensky, 2000, p. 3).

Increasingly, many teachers especially those who are now entering into the teaching service have grown up during the digital era.

Why haven't computers reduced achievement gaps between students?

Problems:

- Many schools today still reflect their Industrial Age origins with rigid schedules, inflexible facilities, and fixed boundaries between grades, disciplines, classrooms, and functional roles.
- Twenty-first century learning cannot fully flower when embedded in a rigid 19th century calendar.

What is Technology Integration

- Technology integration is the use of “technology as a tool to enhance the learning [process] in a content area or multidisciplinary setting” (International Society for Technology in Education [ISTE], 2000a, p. 6).

Effective Technology Integration

- Effective integration of technology is achieved when students are able to select technology tools to help them obtain information in a timely manner, analyze and synthesize the information, and present it professionally. The technology should become an integral part of how the classroom functions -- as accessible as all other classroom tools (ISTE, 2000, p. 6).

BusinessWeek

- Despite millions and millions of dollars spent on new learning technology, schools had not achieved real improvements in teacher productivity or student achievement.
February 28, 1994

Do you agree?



Why has technology integration failed in schools?

Choose the best answer:

- a) Failing to make optimal use of technology
- b) No appropriate objectives and goals for its use
- c) Lack of training
- d) We don't realize its potential
- e) All of the above



—The first rule of any technology used in a business is that automation applied to an efficient operation will magnify the efficiency. The second is that automation applied to an inefficient operation will magnify the inefficiency.

Bill Gates



Do you agree?

When students lack the academic language to meet any standards, applying technology ineffectively will **ONLY** magnify their inefficiencies.



Do you agree?

- The primary goal of technology in schools is to **improve academics.**



Do you agree?

- Technology should be a tool to help educators meet the educational needs of ALL children.



Catering to the various multiple intelligences of the students

- Previous generations 3R's
- Current generation 21st Century skills
- Understanding Howard Gardner's theory on multiple intelligences helps the teacher address the needs of the 21st century student.

Do you agree?

- "If we are serious about school improvement, and indeed, the overall educational performance of our students, we must learn to **apply technology effectively. . .**

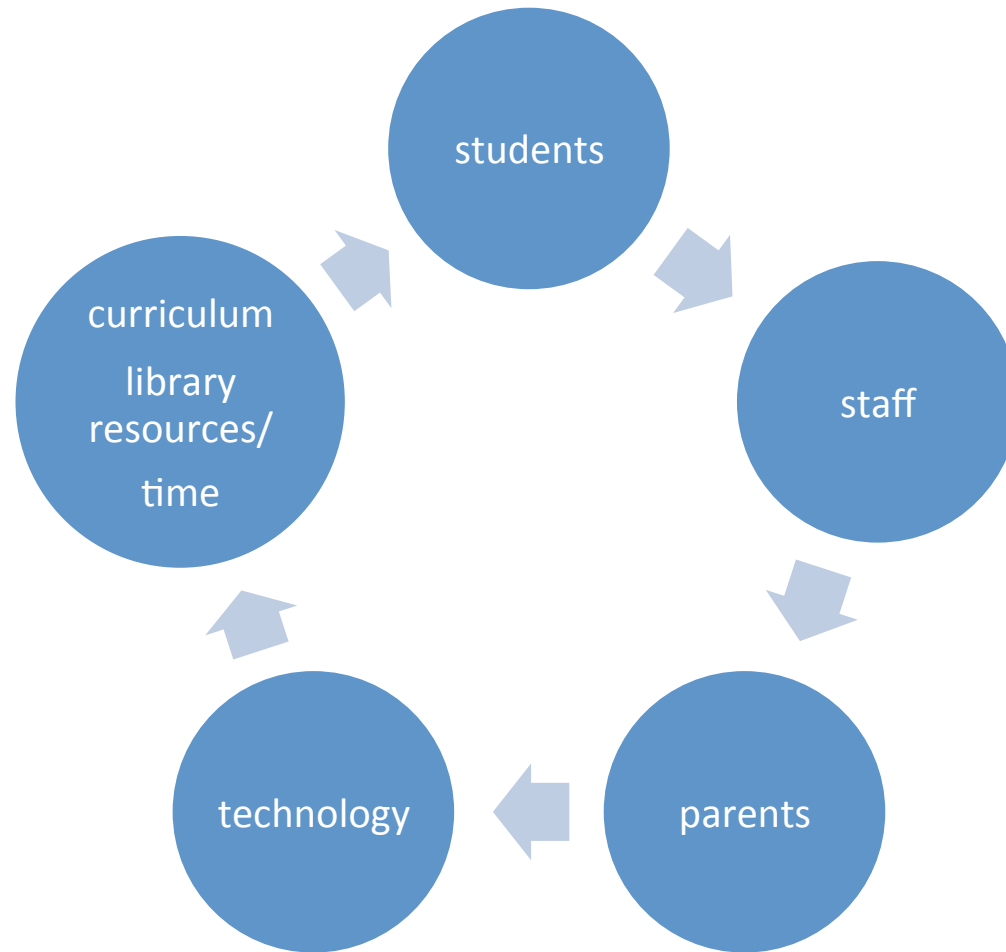


- As in any professional field, we must take into account our demographics, the nature and culture of the classroom. But, most importantly the **priorities and needs of our children.**

5 Technologies that can change education



So what do we need?



20/20 Learning

- **20/20 Learning** is a school based strategy focusing on teaching and learning using current school resources. **20/20 Learning is about differentiating instruction through technology.**
- **During 20/20 Learning, computers are used to tailor instruction to meet the needs of individual students. 20/20 Learning provides** a variety of ways for individual students to take in new information, assimilate it, and demonstrate what they have learned.
- **20/20 is about ReTeaching, challenging, and engaging students .**

Your future classroom



References

- Jorge Madrid - www.edutechnia.org