

## Advice

- Avoid expensive "canned" technology solutions like the SMART boards. Don't put your eggs in one basket.
- Try one before 100.
- Check reviews.
- Power your pedagogy.
- Share, PLAY, test be a role model.
- Admins: Empower the professional.

F PROMISE TO DO? Is the main purpose to build students' knowledge of content, or is it to develop skills and dispositions? Are there meta-cognitive s egies associated with the product?

J EXPECT IT TO DO? Do you expect the product to raise students' test scores? To grab students' attention? To flip your classroom? To open up dialog quiry process? Be clear about your goals.

IA WAS THE PRODUCT DEVELOPED AGAINST? How was the product conceived and who designed and built the product? What classroom experier/entrepreneur have? What research was done during the designing process? Was it piloted in schools? Is this a rapid prototype with the flexibility to a

HELP OR CHANGE TEACHERS' ROLES? Will the product keep the teacher in the center of the action in class, or will it give more control to students meet the needs of the students, and if so, how? Does it augment teachers' performance?

CHANGE WHAT HAPPENS IN CLASS? What kind of class environment does it create? Does it encourage collaboration, risk-taking, and student con oftware that allows kids to do practice exercises, how will classroom time be spent on that subject? Will a different kind of curriculum be created, and w ands-on projects be incorporated into class time that build on what students have practiced on computers?

ERS RATE THE PRODUCT? Just as you would do with a personal purchase, checking Amazon reviews, Consumer Reports, Yelp, Facebook or Twittens, asking friends, do your due diligence and research to find out what other educators like and don't like about the product. For example, some school ented with certain kinds of software that's billed as adaptive, or encouraging critical thinking skills, and found that some are much better than others, and this knowledge can help educators root through the overwhelming number of choices, and find products that deliver what they promise.

SCALE AND GROW IN THE FUTURE? If the product is going to be used systemically, how sustainable is it? What are the chances that the company rvice, or start charging or raising fees? What's the ease of adoption and use? Are there built-in ongoing improvement processes?

**DNAL DEVELOPMENT NEEDED TO USE IT?** If so, how much does it cost, and how much time will it take? Too often new technologies are not used t tial, or are left completely unused. Educators should make sure they have the time and budget allotted to ensure smooth transitions, and that the princ hal development a priority.

AL FIT? This question is also quite subjective. The best product should be like electricity, Kator said — there's no question whether you should or should be an intuitive need that the product fulfills, rather than having teachers tangle themselves into knots trying to find ways to use it.

## class of 2025

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#### Learning

#### The ABS Model for Digital Literacy



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## The ABS Model for Digital Literacy

programming languages Google Wi-Fi video games

Access







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#### Sergey Brin of Google



## The ABS Model for Digital Literacy

**L**alance Like a healthy diet. Young children learn best by active manipulation of concrete materials.

tualization	morality, creativity, spontaneity, problem solving, lack of prejudice, acceptance of facts
***	self-esteem, confidence, achievement, respect of others, respect by others
elonging	friendship, family, sexual intimacy
	security of: body, employment, resources, morality, the family, health, property
.ogical breath	ning, food, water, sex, sleep, homeostasis, excretion

http://en.wikipedia.org/wiki/File:Maslow%27s\_Hierarchy\_of\_Needs.svg



## The ABS Model for Digital Literacy



Support someone to find ar introduce new idea and apps a human to make s it works for you







## Learning theory (DAP)

# ...use the best tools for the job.

and Beatlering and

## A future l'd like... A Leonardo da Vinci in every town.

- A device for every child with carefully selected apps.
- Wi-fi on the bus.
- Apps viewed as "another material."
  - Cloud-based assessment (developmental profile facebook page, for every child).



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"Pillars" of the iPadMulti-touch screen: 11 simultaneous inputs, oleophobic surface 10 hour batteries Internet
~23,000 apps for children (and an army of programmers) Clear, stereo speakers Clear screen
Gyro and accelerometer, for AI
<u>Oleophobic screen</u>
Two cameras (eyes) and microphone (ears) Affordable and durable: \$500, no moving parts

#### "The iPad is the computer we always wanted Ann McCormick, Founder, The Learning Co

## an Sagan

in an extraordinary age. These are times of stunning changes in ganization, economic well-being, moral and ethical precepts, hical and religious perspectives, and human self-knowledge, as n our understanding of that vast universe in which we are d like a grain of sand in a cosmic ocean....

been born fifty years earlier, we could have wondered, d, speculated about these issues, but we could have done nothing em. Had we been born fifty years later, the answers would, I think, nave been in. Our children will have been taught the answers nost of them will have had the opportunity to even formulate the s. By far the most exciting, satisfying and exhilarating time to is the time in which we pass from ignorance to knowledge on ndamental issues; the age where we begin in wonder and end in nding. In all of the four-billion-year history of the human family, only one generation privileged to live through that unique onal moment: that generation is ours." (Sagan died in 1996, o young). <u>http://www.goodreads.com/quotes/show/165217</u>





#### LIKE BUILDINGS

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#### NJ

- Elementary Education, Central Michigan iversity
- A Human Development, Pacific Oaks College
- D., Educational Psychology, Michigan State iversity
- Consultant, High/Scope Foundation
- eschool, elementary & college teacher
- viewer: CTR, Scholastic Parent & Child, New rk Times
- ntest coordinator (KAPi & Bologna Ragazzi Dust or Ma
- rent of two daughters



