Multi-generational learning and technology

Karl Hakkarainen
Worcester Institute for Senior Education

About this presentation

Advances in educational technology are creating rifts between the generations. The kids are learning with and about computers and mobile devices, often leaving parents and grandparents feeling as though they're unable to help.

This workshop will show how we can involve the whole family in the educational experience:

- Help parents and grandparents find their roles and voices
- Discover who knows what - a reality check on kids and technology
- Find common language for learning and discovery
- Choose common apps with educational discounts for the whole family
- Identify lifelong learning resources for kids, parents, and grandparents

Speakers

Karl Hakkarainen
Technology Adviser, Worcester Institute for Senior Education

Semi-retired from 30+ years in IT, Karl teaches and writes about technology. His grandkids still ask him (occasionally) for technical help.

About yours truly

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▸ Worcester Institute for Senior Education (WISE) http://www.assumption.edu/wise

THE
SIMPLE ANSWERS
TO THE QUESTIONS THAT GET ASKED
ABOUT EVERY NEW TECHNOLOGY:

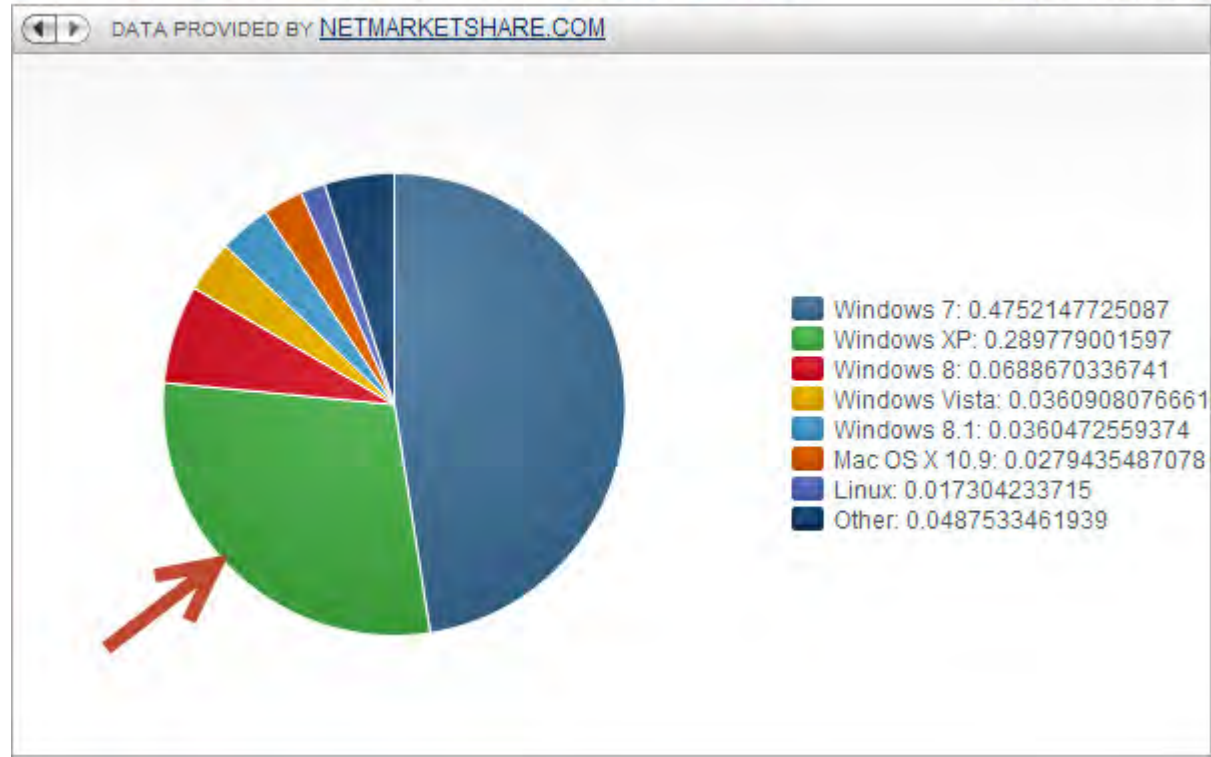| Question	Answer
WILL [____] MAKE US ALL GENIUSES?	NO
WILL [____] MAKE US ALL MORONS?	NO
WILL [____] DESTROY WHOLE INDUSTRIES?	YES
WILL [____] MAKE US MORE EMPATHETIC?	NO
WILL [____] MAKE US LESS CARING?	NO
WILL TEENS USE [____] FOR SEX?	YES
WERE THEY GOING TO HAVE SEX ANYWAY?	YES
WILL [____] DESTROY MUSIC?	NO
WILL [____] DESTROY ART?	NO
BUT CAN'T WE GO BACK TO A TIME WHEN—	NO
WILL [____] BRING ABOUT WORLD PEACE?	NO
WILL [____] CAUSE WIDESPREAD ALIENATION BY CREATING A WORLD OF EMPTY EXPERIENCES?	WE WERE ALREADY ALIENATED
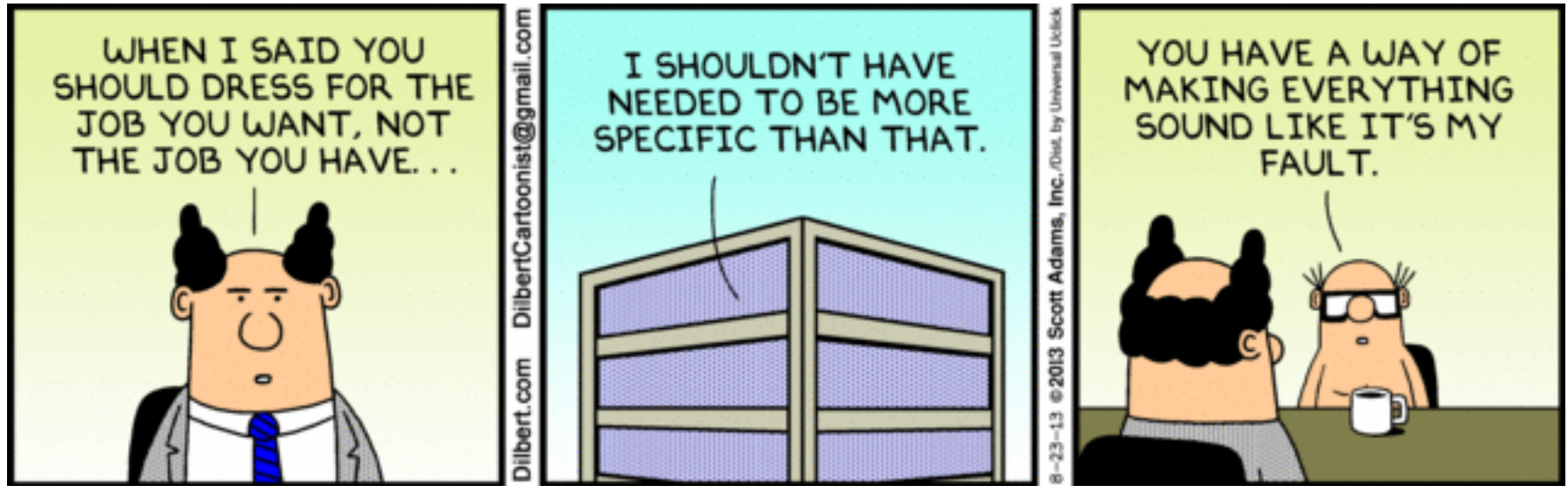
The world of work has changed

Desktop Operating System Market Share

December, 2013

DATA PROVIDED BY NETMARKETSHARE.COM

- Windows 7: 0.4752147725087
- Windows XP: 0.289779001597
- Windows 8: 0.0688670336741
- Windows Vista: 0.0360908076661
- Windows 8.1: 0.0360472559374
- Mac OS X 10.9: 0.0279435487078
- Linux: 0.017304233715
- Other: 0.0487533461939

We're not keeping pace with change

Nearly 30% of users are using Windows XP, a 12-year-old operating system that will be unsupported in April 2014.

Tablet ownership over time (2010-2013)
% of American adults ages 18+ who own a tablet computer, over time.

Source: Pew Research Center's Internet & American Life Project tracking surveys, May 2010 – May 2013. May 2013 data is from the Pew Research Center's Internet & American Life Project's April 17-May 19, 2013 Tracking Survey of 2,252 adults ages 18 and older. Interviews were conducted in English and Spanish and on landline and cell phones. The margin of error on the sample is +/- 2.3 percentage points.

The problem we worried about in 2010 went away

Windows 8 was going to wreck the user experience. It didn't because tablets took over.

Don't tell me what you think. Tell me what you did.

-- Anon

Lifelong learning as a skill

Your Internet Banking password ensures that only you can access your confidential information. Please remember this password and keep it secure. If you forget your password, you will have to be reset.

Please enter all passwords requested. Your password:

- must be between 8 and 12 characters
- must be at least 1 number
- must be at least 1 uppercase letter
- must be at least 1 lowercase letter
- must have at least 1 special character (a special character is anyone of the following: ! @ # $ % ^ & * _ + - = ( )
[ ] { } | : ; ` , . / ?)
- cannot contain leading or trailing blanks

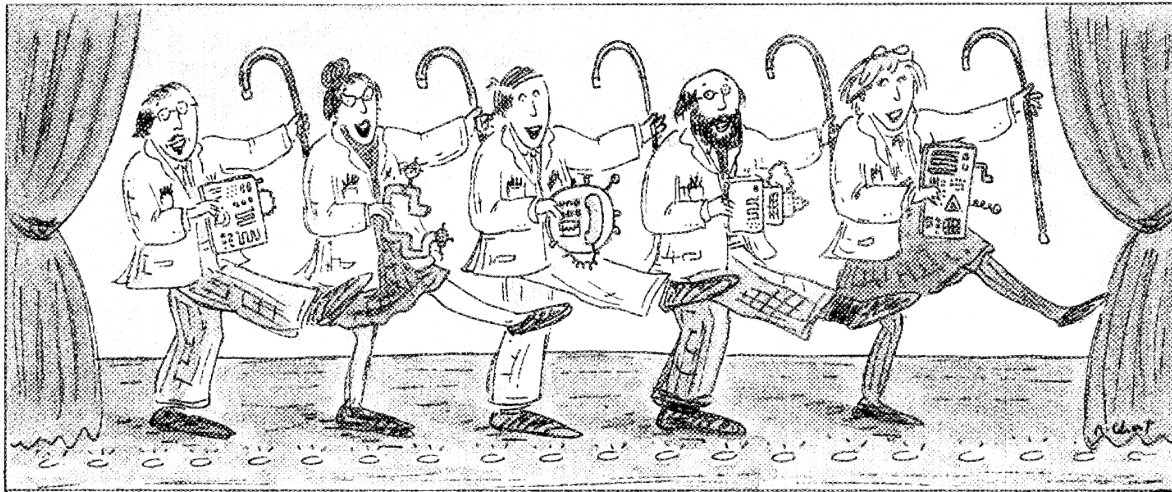## Clear away the impediments to learning

Passwords are the major impediment to mobile adoption

Key to success in the workplace

Any training program for improving the productivity of professionals must first target taking initiative.

How Bell Labs Creates Star Performers
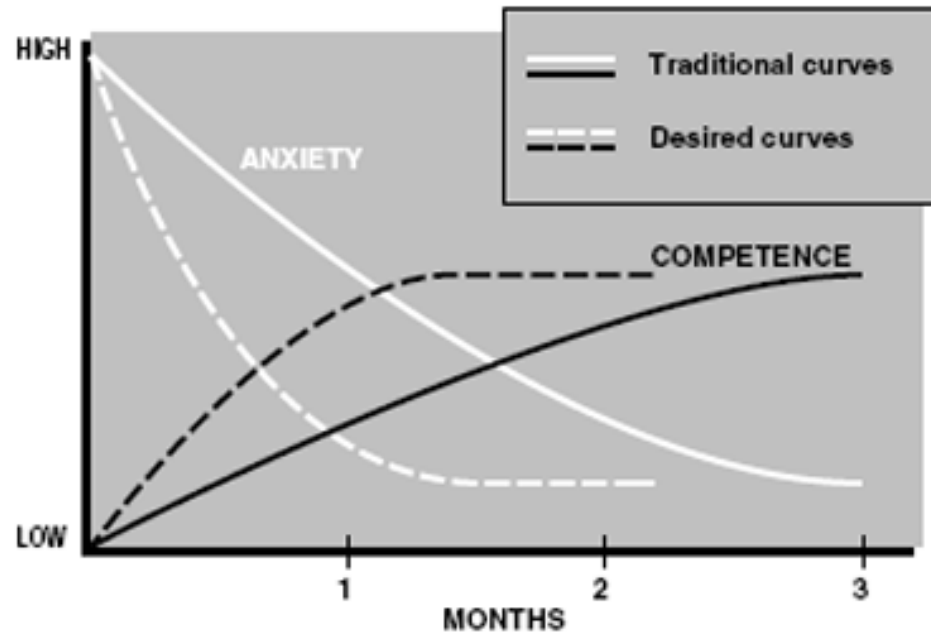

by Robert Kelley and Janet Caplan

By instructing students bow to learn, unlearn and relearn, a powerful new dimension can be added to education.
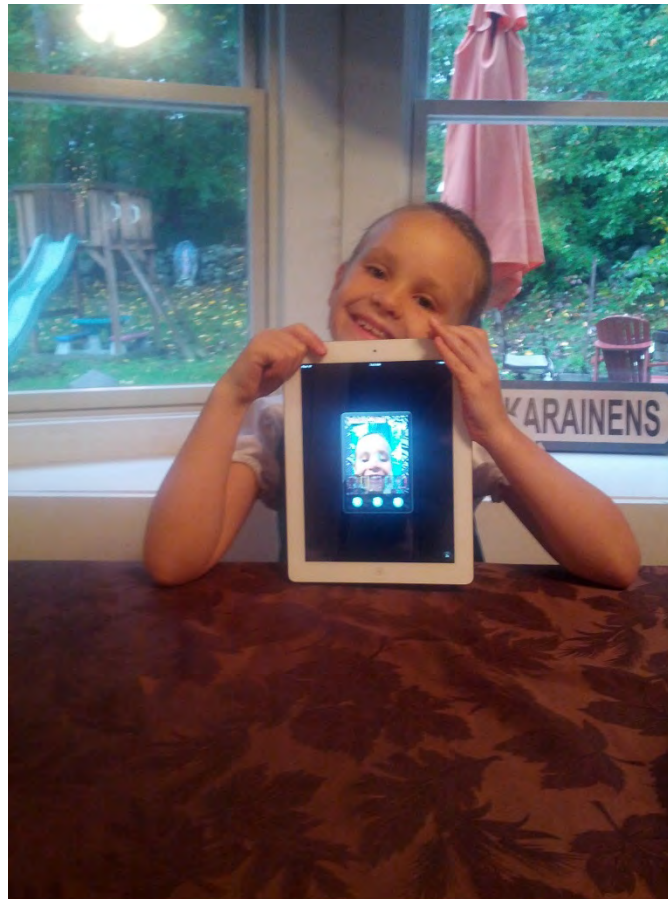
-- Alvin Toffler *Future Shock*

EXHIBIT III. Postulated Consequence of Anxiety Reduction

Reducing anxiety improves training

HBR: Breakthrough in On-the-Job Training

How the experts do it

"Teens aren't addicted to social media. They're addicted to each other."

-- danah boyd

They learn from each other

And teach their elders

They practice

Let's see what we can find out

Florence, MA, In The Future, circa 1910
By boobob92 ★ 4 favorites 💬 5 comments

Areas for future research

Scale the Apple Genius Bar

The Genius Bar training manual says pay attention to

"Emotion Portrayed through Nonverbal Gestures."

Create multigenerational learning projects

Let the kids and adults work on real projects together

Understand our risk tolerance

We're not done yet

▸ [Google's Serge Brin with Google Glass](#)

Questions?

Thank you and have fun.