



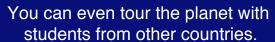


Explore. Discover. Create.





On safari. On Google. On YouTube.





Record your travels and share your experiences on the Web.

Even schools without classrooms.



Stockholm.

And universities in cyber-space.

With tools that are revolutionizing the way we teach and learn.







Anywhere. Any time. Any device.

Even a new way of thinking.



'Logic will get you from A to B. Imagination will take you anywhere.'

Albert Einstein

Even join 'The Crazy Ones' Think different.

The four disruptive innovations that change everything:

- 1. Moore's Law.
- 2. Drucker's Law.
- 3. Metcalfe's Law.
- 4. Steve Jobs' vision.

Disruption 1: Moore's Law (1965).



Computer power doubling every 2 years.
Probably every 3 years from 2013.

1954: 4 transistors on one chip: the first transistor radio.



Biggest selling electronic device in history — until the mobile phone.

1971: 2030 transistors on one integrated silicon circuit.

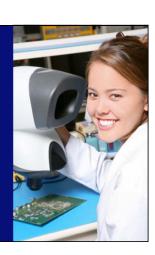


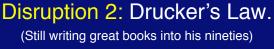
Result: the first pocket calculator.

Now the number of transistors possible on solid-state chip*:

- 2010: 2 billion
- 2012: 4 billion
- 2015: 7 billion
- 2018: 14 billion
- 2021: 28 billion

* Or fewer but chip much cheaper.







To replace an existing technology, a new one must be 10 times better.

Apple iPod is way beyond that.



'1,000 songs in your pocket.' So it made Sony Walkman obsolete.

So is Wikipedia.



Now: 40 times as many articles as Encyclopedia Britannica.

And information updated every day.

When the Mac launched in 1984, only one "Killer App": Pagemaker.





And it launched a new industry: Desktop publishing. Everyone a publisher.

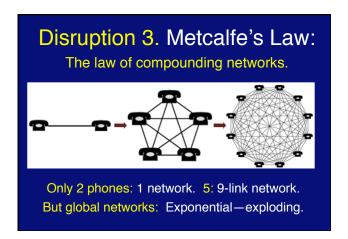
Now the incredible compounding:



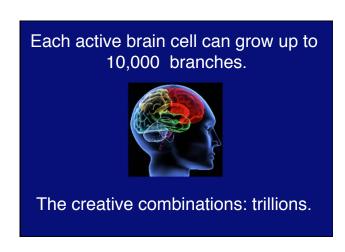
Apple's new online App Store offers 500,000 applications.

And the average price of a new Apple App: \$3.64 — many free.



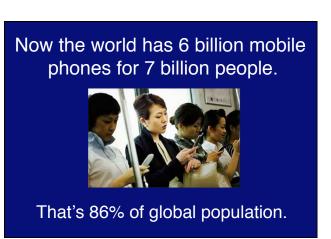
















India close behind.

For the first time in history . . .



We can now store all the world's information and make it available in almost any form almost instantly to anyone on earth.

Now you select what you want, then:

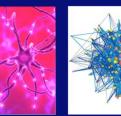


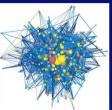




Retrieve it. Learn with it. Create with it.

You can link your unique brain network to everyone else.







And seven keys can unlock the door.

Key No. 1: It's global.



Everyone linked to everyone else. At the click of a mouse, or touch of an icon.

Going into 2012—Scorecard:

- Google answers 1 billion questions a day.
- 107 trillion emails sent in year.
- 3.146 billion email accounts worldwide.
- 2.1 billion Internet users worldwide.
- 220 million domain names globally.
- 201 billion videos viewed on line per month.
- 150 million blogs on the Internet.
- 225 million Twitter accounts.

Key No. 2: It's personal.

If it can be digitized, it can be personalized.

Every student in Uruguay has a free laptop for school and home. Now a new solar-powered tablet, too

Total cost: 5% of national education budget.

http://www.youtube.com/watch?v=vzX6cfbeDOM

Today's new Learning Revolution:

The biggest change in education since mass-produced book 560 years ago.







Now every student a multimedia producer.

Key No. 3: It's interactive.



6-year-olds, on their first day at school, shoot videos.

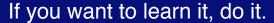
On day 2 they learn to edit video.



On day 3: they compose music.



With Apple GarageBand computer software.





To learn science, become a scientist.

To embed knowledge, play with it.



Bridge and chess as games models: with world masters as your coach.

Key No. 4. It's easily shared.



YouTube: 2 billion videos viewed every day — created by millions.

The World Wide Web itself.



Owned by no one. Shared by everyone.

Key No. 5: It's social.



Facebook: from one 19-year-old to 845 million members in 8 years.

10 million Facebook groups.





Families and friends share 200 million new photos a day; store them online.

51 million Flickr members.





And they now share 6 billion photos.

Key No. 6: It's often free.



Skype: 663 million registered users: Free global video phone-calls.

All the world's answers free on line in half a second.



Then Google earns billions from related ads: one 25-cent click at a time.

Key No. 7. It's co-creative.



Wikipedia: 20 million articles, created by millions — and updated every day.

Together we even co-create computer operating systems.



So you can buy a computer without one.

And download its kernel free.

Even the world's biggest computer network was co-created.



Its young student founders set out to build giant system by assembling their own.

Above all: everything is now possible.



Everything that Utopians ever dreamed about can now be achieved. And easily shared.



'We are at the dawn of a new age of networked intelligence: an age that is giving birth to a new economy, a new science, a new society.'

Don Tapscott
Growing Up Digital