



CHILDREN AS A MISSION

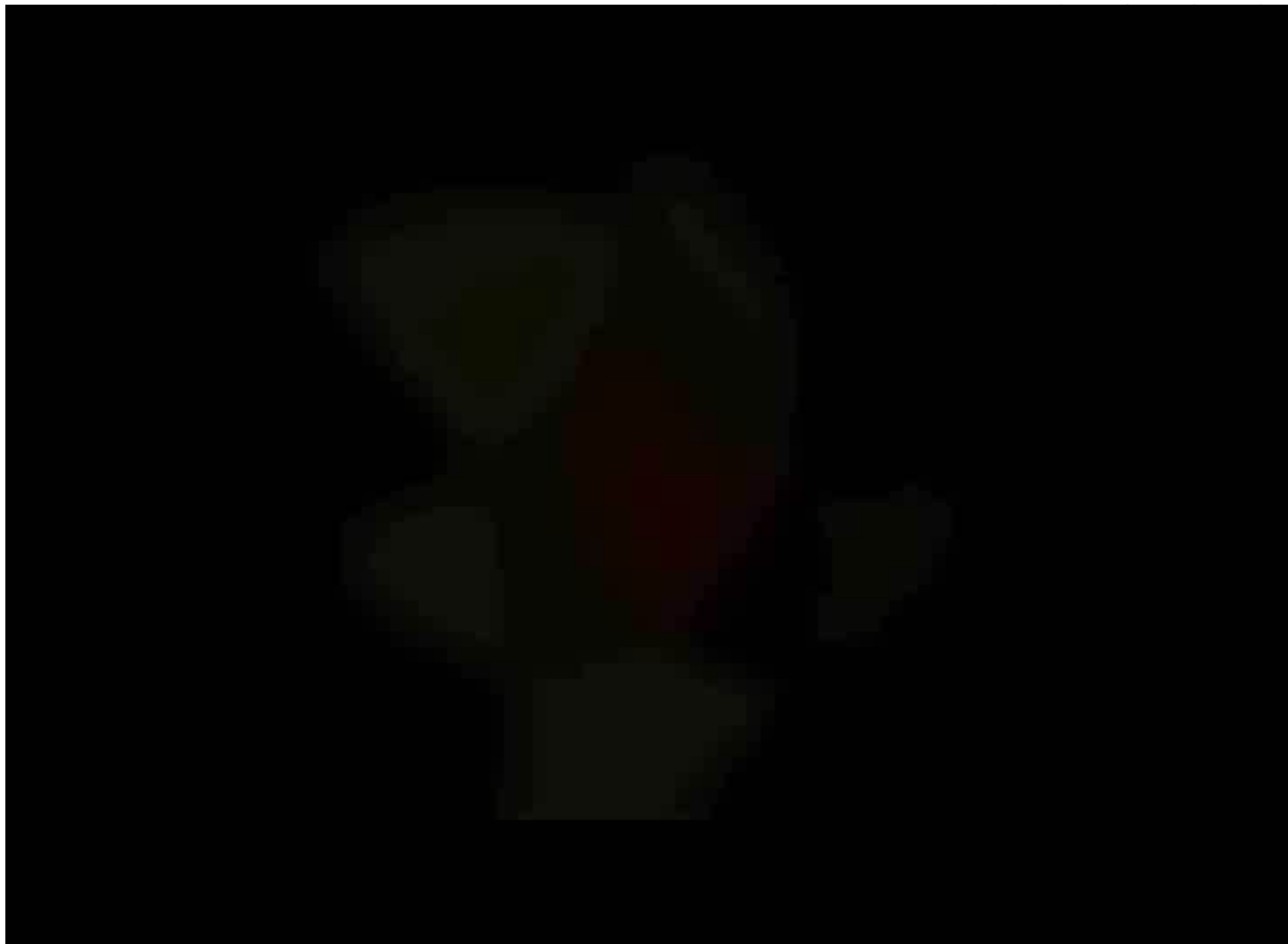
.....NOT AS A MARKET

Satish Jha

OLPC India Foundation

Children as a Mission not as a Market









URGENCY!

1 |  |  |  |
one laptop per child



Epidemic



Need to find a vaccine



When one is found...

1 |  |  | 
one laptop per child



One vaccinates everybody!



A vaccine against ignorance!



Senegal circa 1982



Who we are



OLPC- One Laptop Per Child



OLPC is a non-profit entity registered in the United States

Founded in MIT-Boston



1



one laptop per child

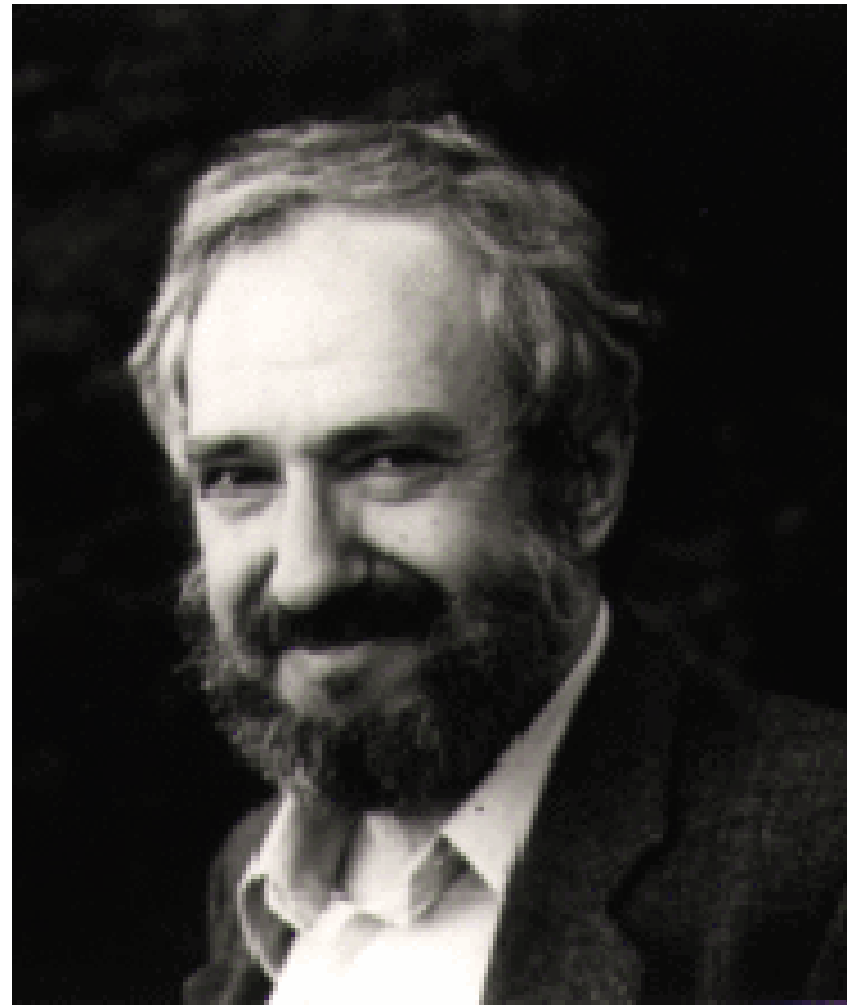
What are we trying to do?



Pedagogical Foundation



Jean Piaget 1960

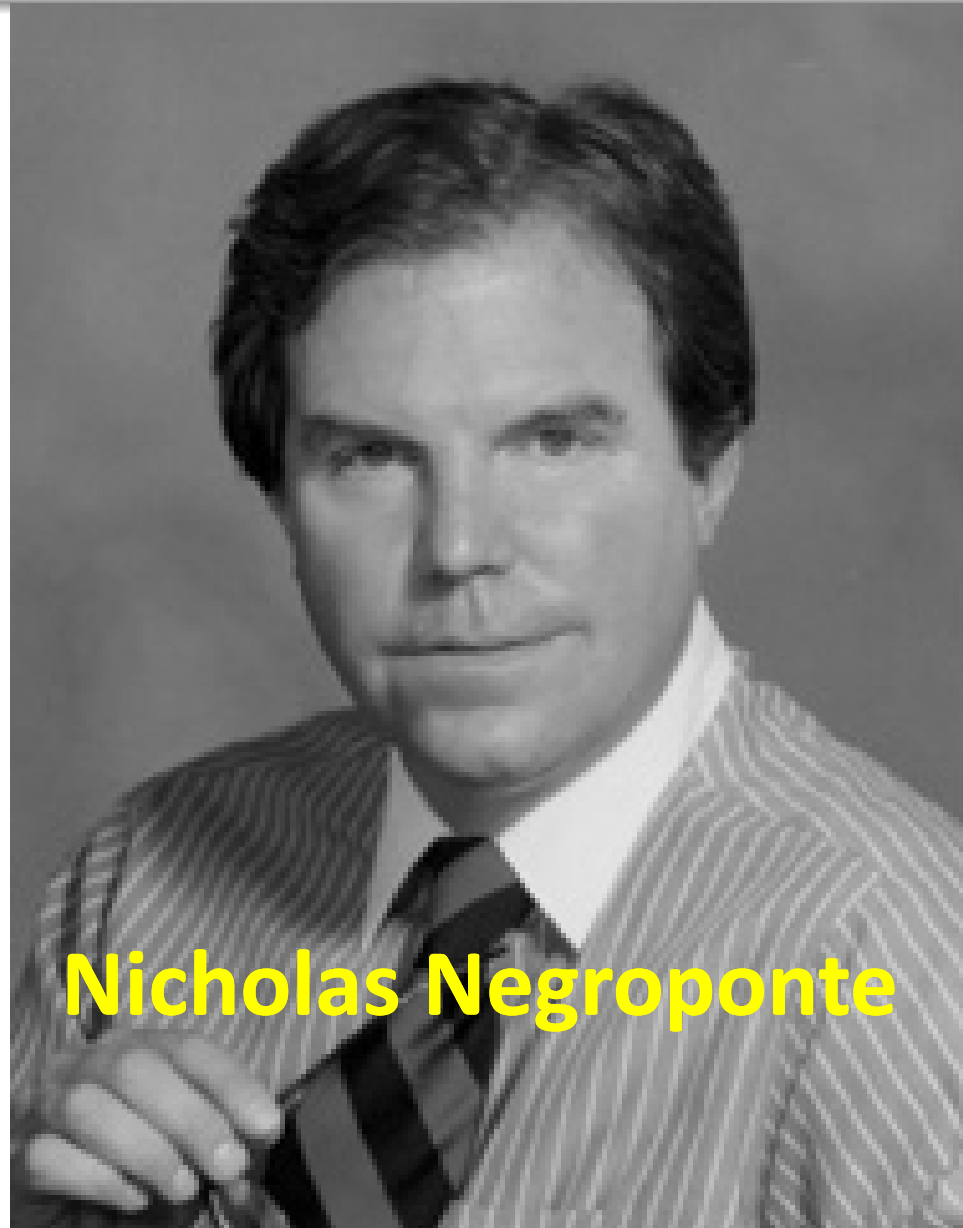


Seymour Papert 1967

Seymour - 2007







Nicholas Negroponte

So, the challenge



What is wrong?

1 -We teach the wrong thing

Notenoughscientists

1 laptop → 
one laptop per child



OrEngineers

1 |  |  | 
one laptop per child



Need to create true wealth XXI Century

- It has a precise name:....

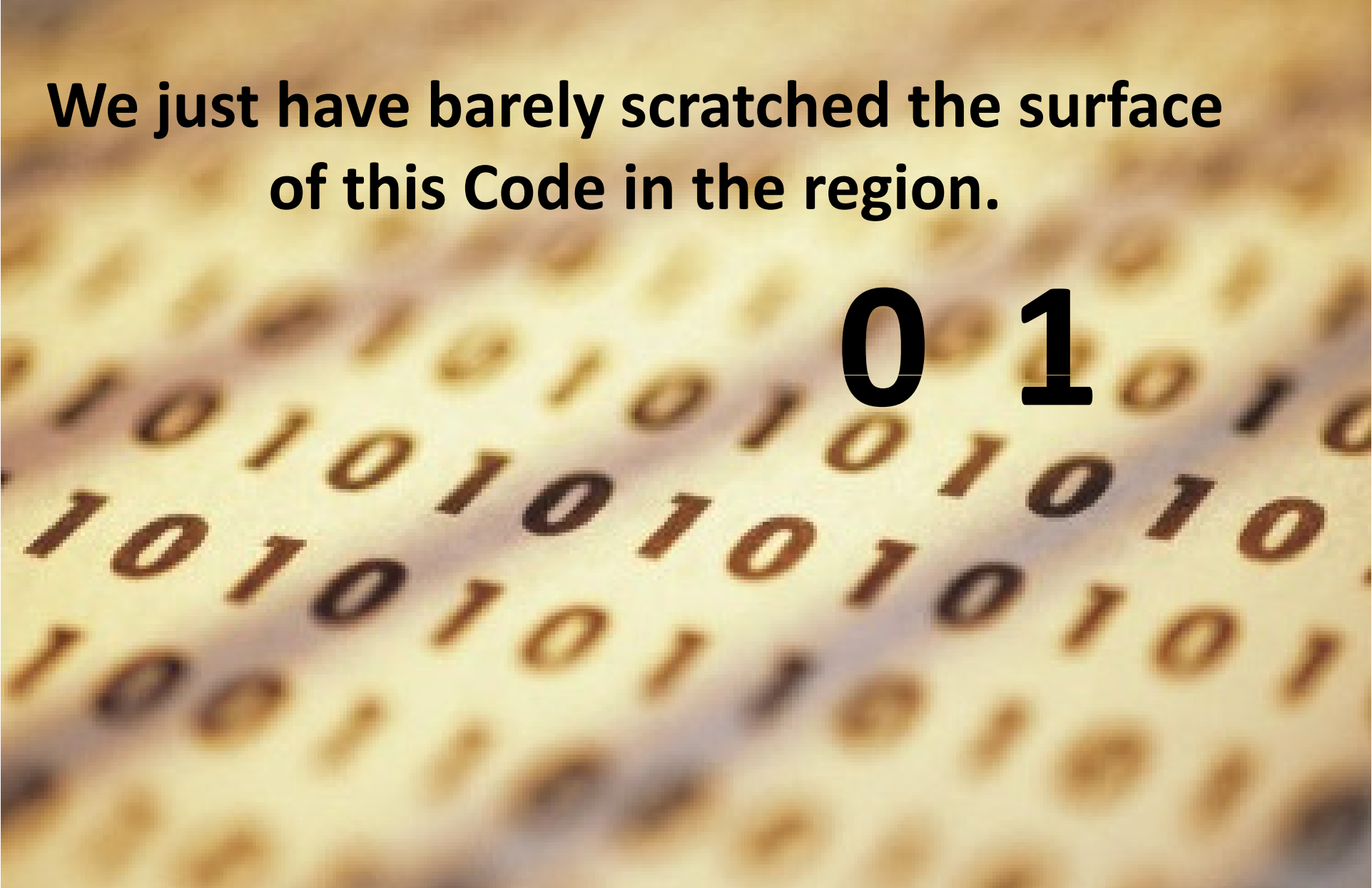


Intellectual Property

First tool to be embraced: the Binary or Digital code

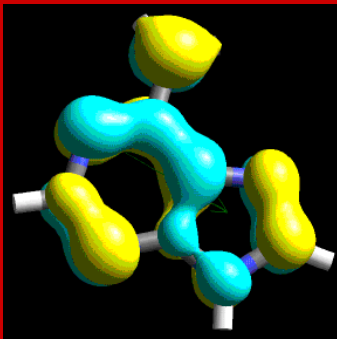
We just have barely scratched the surface of this Code in the region.

0 1

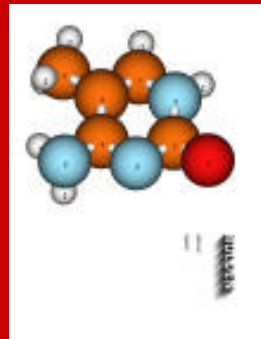
The background of the slide features a blurred, golden-brown textured surface with a pattern of binary digits (0s and 1s) scattered across it, creating a digital or data-themed aesthetic.

Second tool to embrace

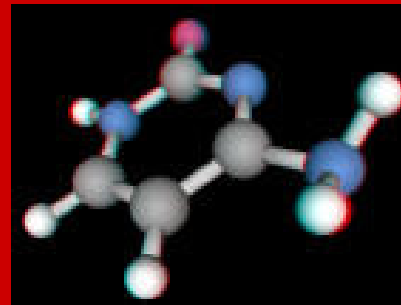
A = Adenine



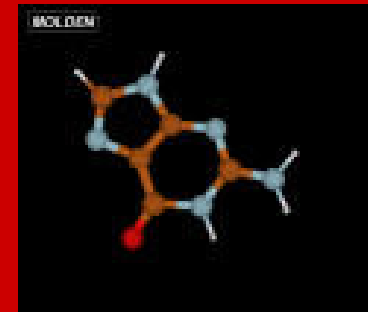
T = Thiamine



C = Cytosine



G = Guanine



They are the new alphabet of the genetic code. Where the digital age ends, the bio-genetic age begins

It is the knowledge code of the future.....



- Examples-



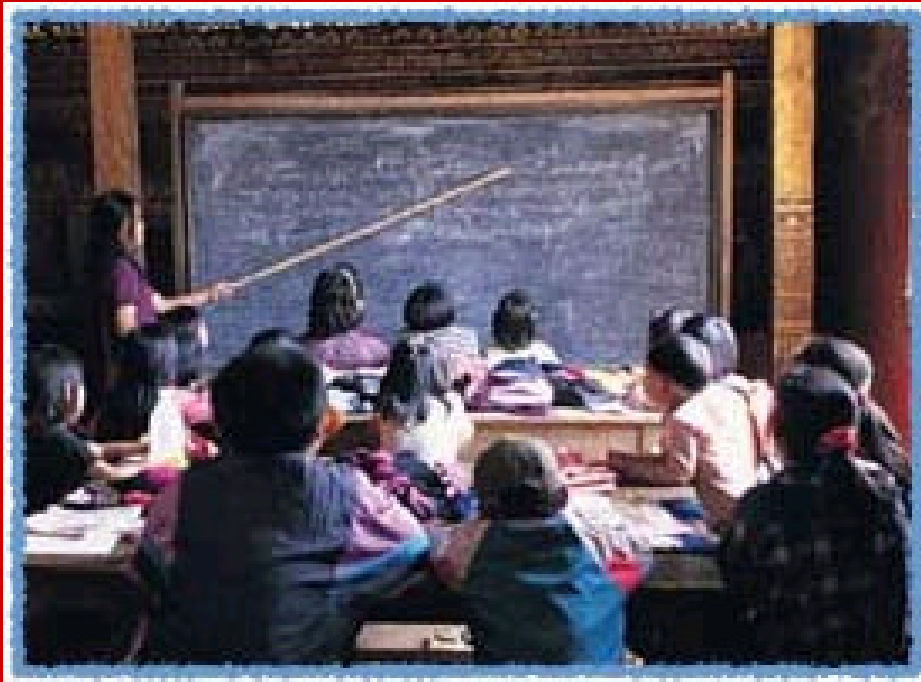
Surgery circa 1900



Surgery of today

Compare this to a classroom in 1900 and one in 2005

- Examples -



Old Classroom



“New” classroom

They have not changed one bit- and both are wrong

2 - We teach it in the **Wrong Manner**

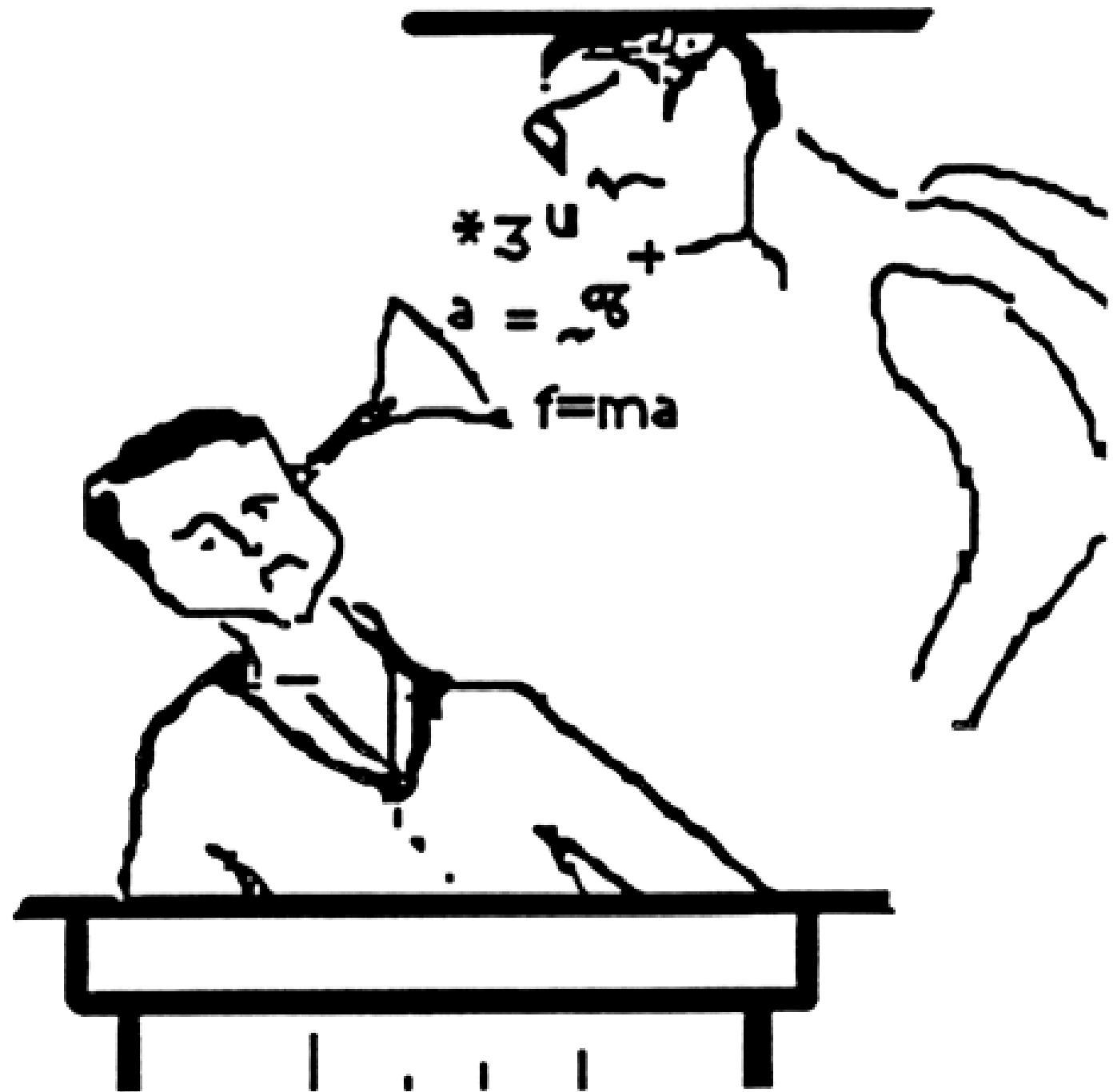
Child centric vs Teacher centric



Teaching

vs.

Learning



Team Work

Individual Access to
Knowledge

Teachers as
facilitators

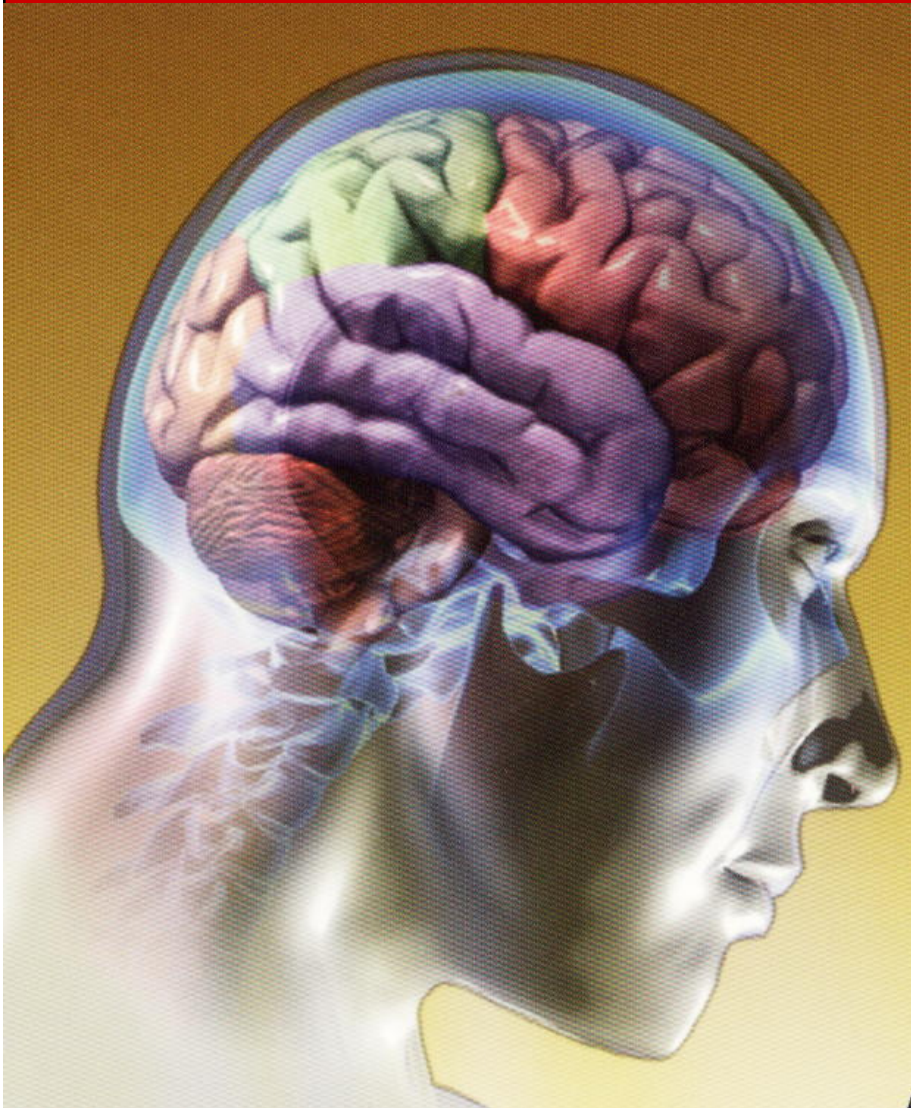


Why small children of 4-12 years of age?

1 |  |  | 
one laptop per child



Profile of the citizen for XXI Century



- **Inventor, Innovator, Researcher**
- **We need to start creating this profile from very early stages of growth.**

Need to create Inventors, Innovators,

1 |  |  | 
one laptop per child



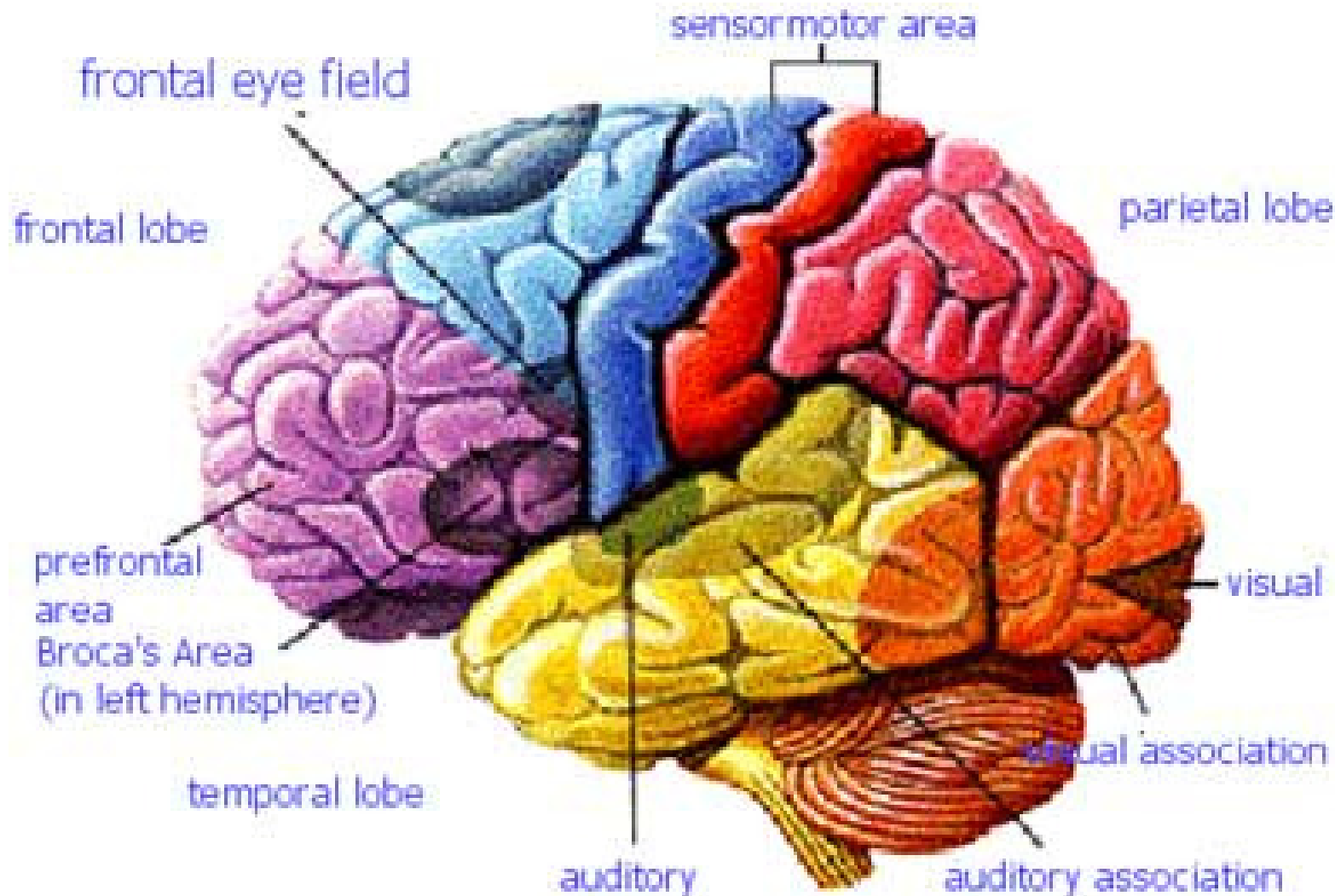
Learning by doing



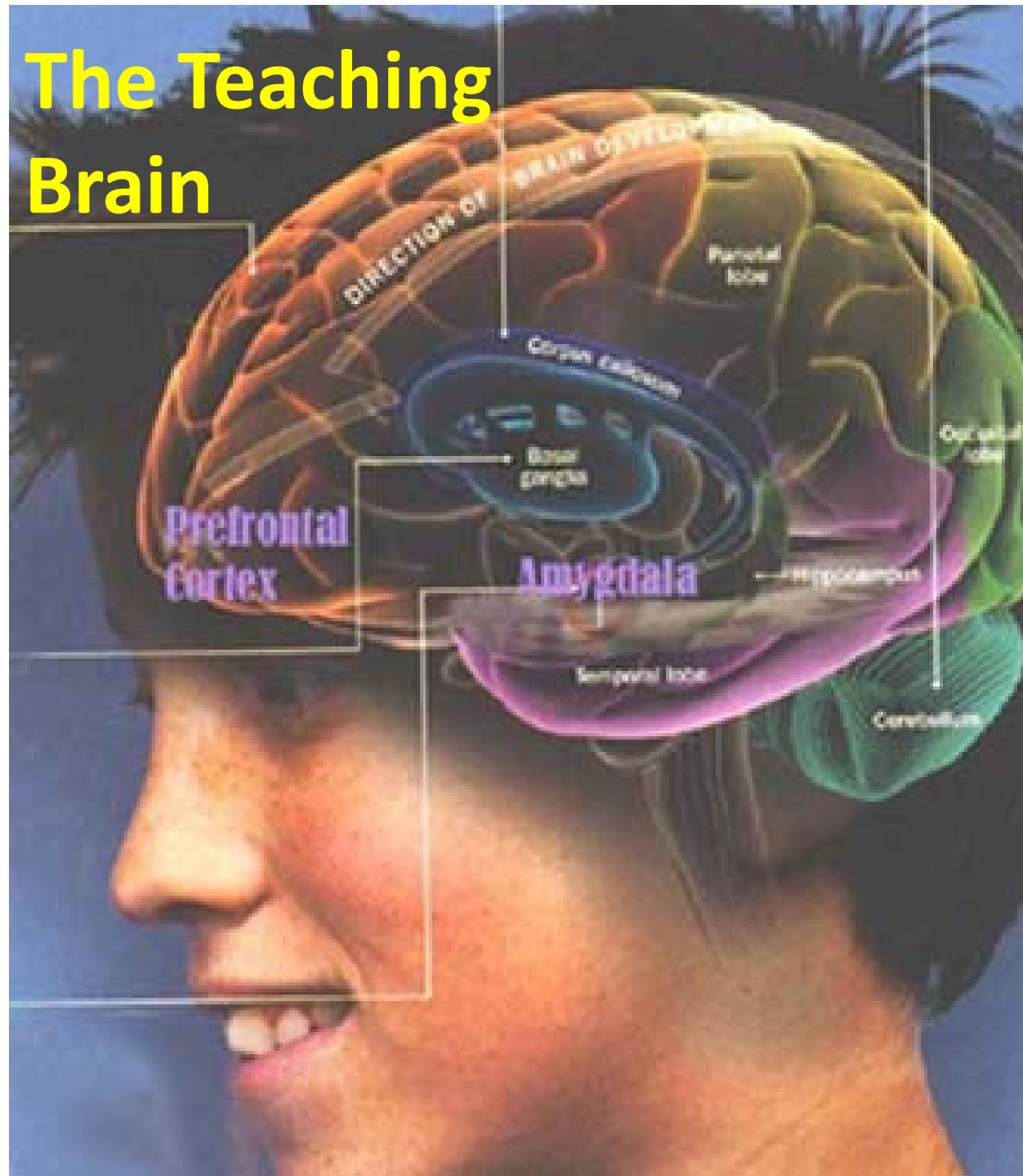
Robotics via the XO laptop

Curiosity
Creativity
Communication skills
**Critical thinking &
problem solving**

The learning Brain

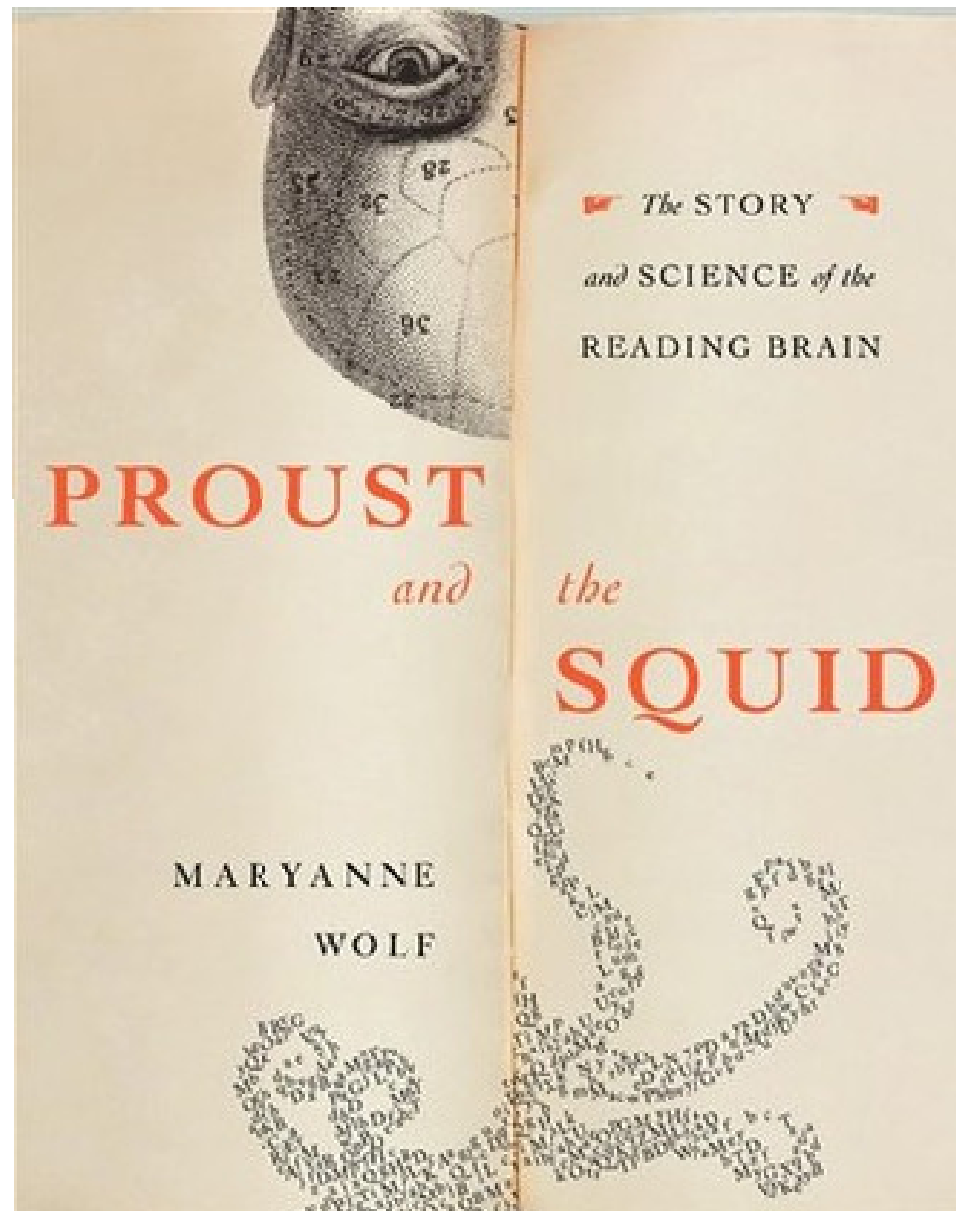


The Teaching Brain



The Reading Brain

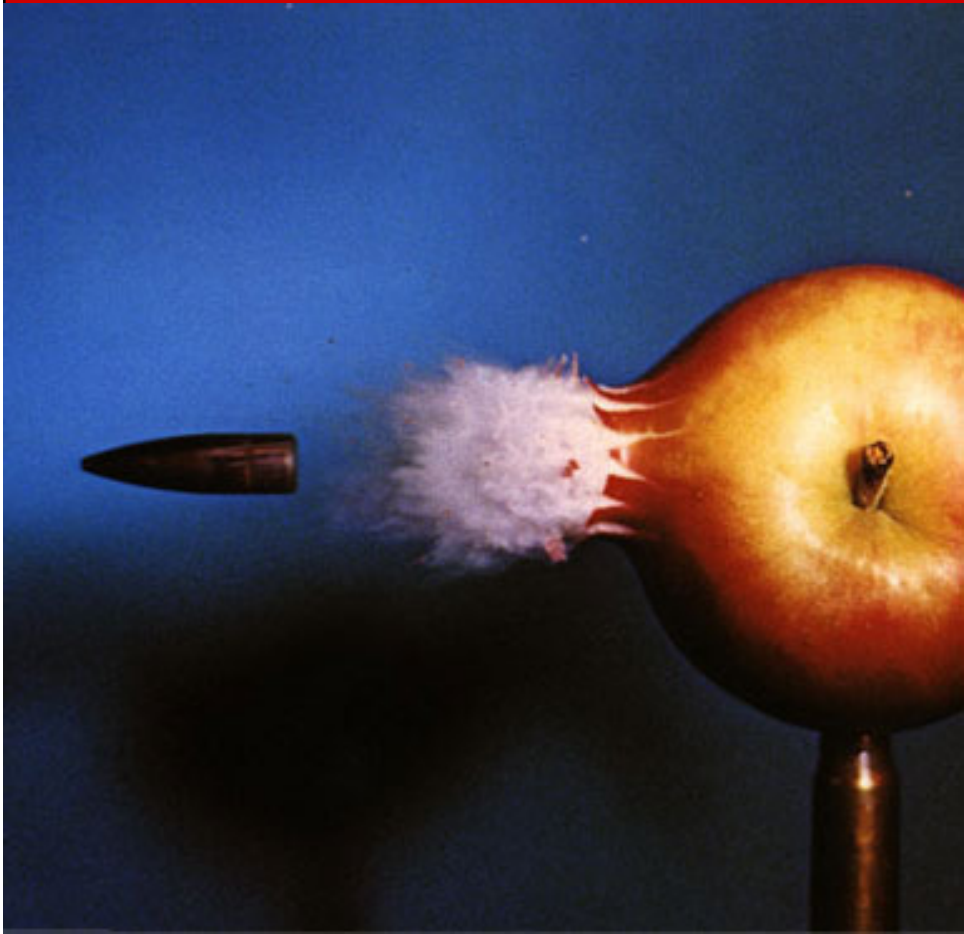
1 laptop per child



3 - We implement it at
the wrong speed!



The Wrong Speed

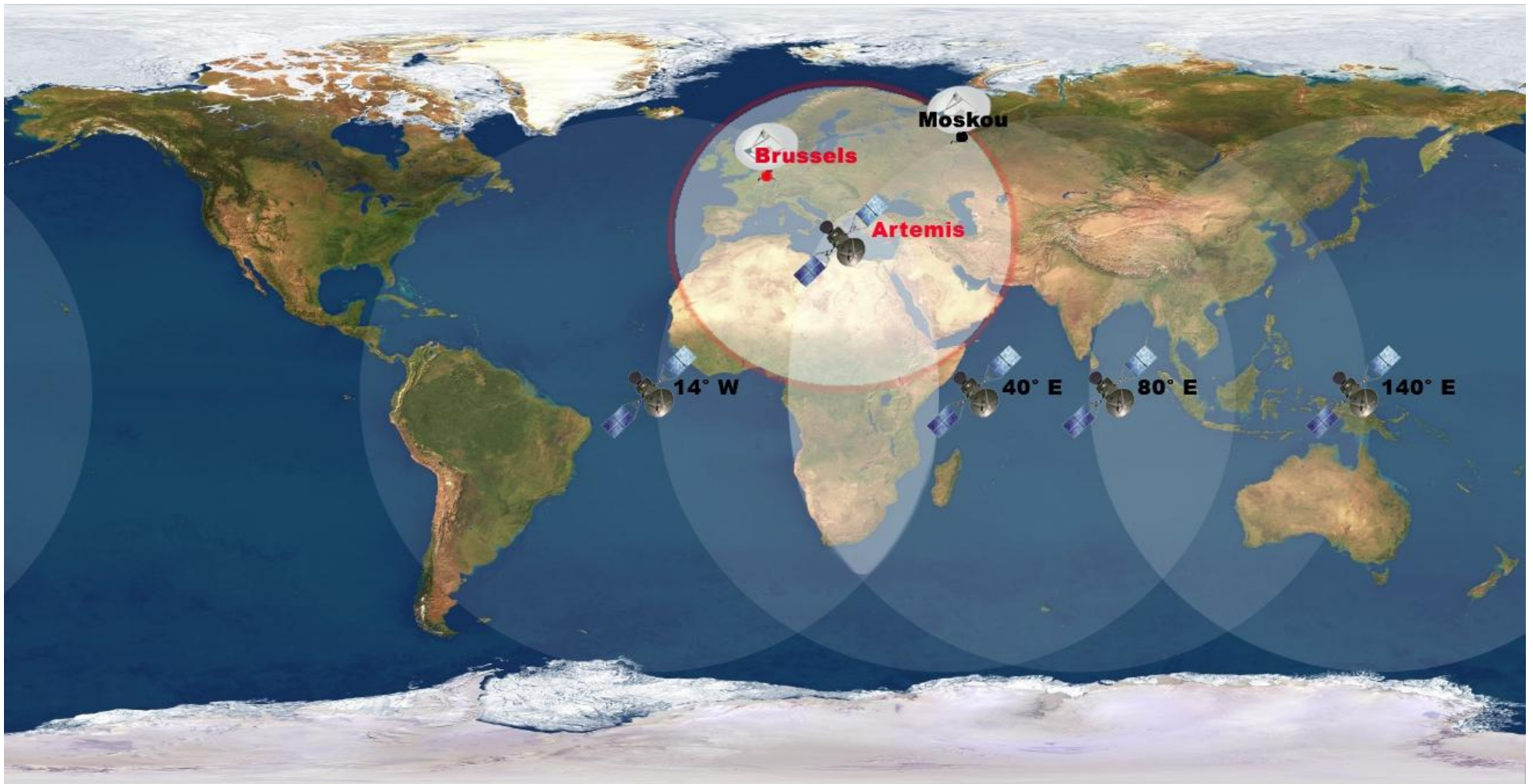


- The Digital Economy forces a change in the perception of time and speed of development .
- We cannot afford not see the speed of change anymore.

4 - And at the **Wrong Order of Magnitude**

Incrementalism Versus Scalability

Coverage





Total Saturation



Why a Laptop (or a Tablet)?

- **We are NOT a Computer Project or a Computer Company**



one laptop per child



Children are our mission not our market



So, How to reach 1 Billion Children, Fast?0

1 |  |  | 
one laptop per child





Do nothing?

"Social Entrepreneurship"

1 |  |  | 
one laptop per child

Public Sector



NGOs

Private Sector



Does it change anything?







India











Virtuous Circles

1 |  |  | 
one laptop per child



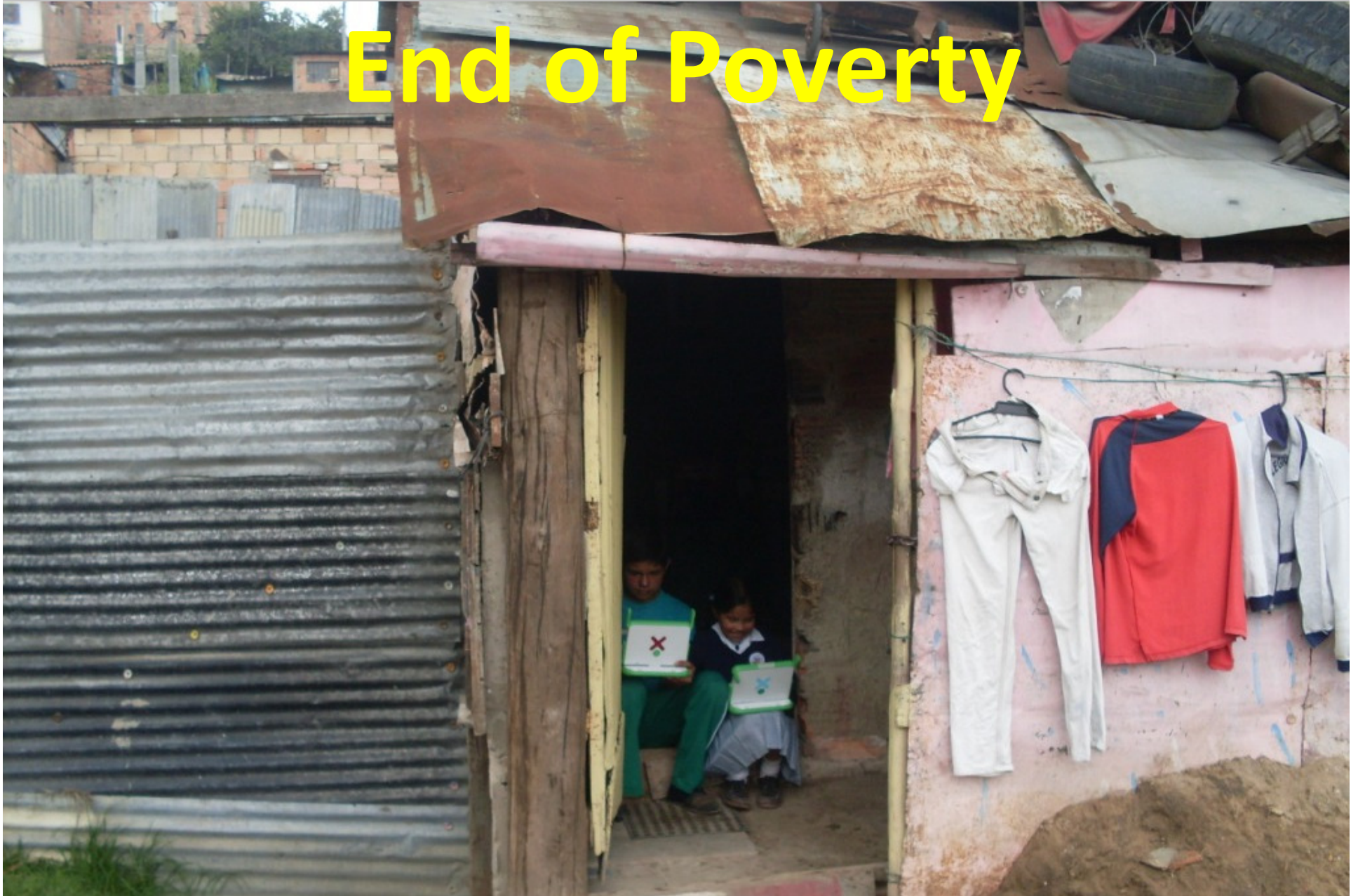
Education for Peace

1 |  |  | 
one laptop per child





End of Poverty



End of Isolation



Does it Work?



Children as a Mission not as a Market



one laptop per child









Correos URUGUAY

12 DE JUNIO
Día Mundial
contra
el trabajo
infantil.

LA EDUCACIÓN
La respuesta
acertada al
trabajo infantil.

\$12



Sanfelix & J. 2000





PERU



OLPC in India?



35\$ “Sakshat” tablet

The challenge:



5,000 XO laptops

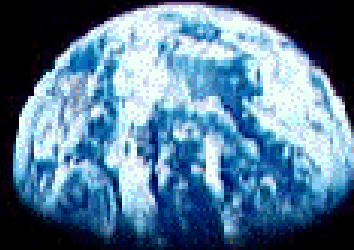
Vs

**180 MILLION CHILDREN
in primary school**

**25% of the world
children population**



Enormous Challenge



Similar to what President Kennedy posed to his people to send a man to the moon IN LESS THAN ONE DECADE

Proportions apart, to give each student in India a laptop with Internet connection & with educational material, within the next 10 years!

What are we waiting for?

- Among the living forces of the world, the resources are there....

Give a laptop

1 |  |  | 
one laptop per child



and change the world



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OLPC India Foundation

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