The Future of Learning

Sugata Mitra, 2019
The Hole In The Wall

1999-2005
Unsupervised groups of children can learn to use the Internet on their own.
SOLE
Self Organised Learning Environment

2007
The SOLE

Set up a few computers with Internet connections

Screens should be large and easily visible from anywhere in the room

In the first few minutes, build up to a Big Question

Let the children self organize

Listen to the answers from a few groups after some time
Unsupervised groups of children can use the Internet to learn anything by themselves.
Self Organising Systems
Emergent behavior and Spontaneous Order
Water “recollecting” a drop
Cellular Automata recollecting an image
“You go there, I will go with you”

A SOLE is a mildly chaotic environment of children, clustered around the Internet, in search of answers to Big Questions.

The teacher is a friend, on this journey....
The Granny Cloud

2009
Debbie Mann of Newcastle reads to the children in Hyderabad
Admiration and encouragement, used correctly, can cause learning through spontaneous order.
The School In The Cloud

2013
Korakati reading comprehension scores

n=50
Reading Comprehension - All site together except G234

$R^2 = 0.4058$
A New Literacy...

Reading comprehension

Using devices

..through self-organizing systems
Schools in the Cloud

Improve reading comprehension

Improve a sense of well-being

Cause learning with good retention

Improve communication and collaboration

Change the teachers!

That’s what we know, so far....
The System vs The SOLE
The challenge of assessment
Use of the Internet should be allowed during all assessment and examination.

(It can’t be stopped anyway, as access becomes invisible)
The Internet should be learnt like the Sciences, Arts and Mathematics
Comprehension, Communication and Computing should be the key outcomes of schooling.
The purpose of education should be to enable people to live Happy, Healthy and Useful lives.
We need

A curriculum of what we don’t know yet.

Pedagogy that is immersed in the Internet.

Assessment that looks for heuristics over process and method.
THE SCHOOL IN THE CLOUD

WHAT IS THE FUTURE OF LEARNING?

CAN TREES THINK?

DOES A FROG KNOW IT’S A FROG?

CAN YOU BE REAL WITHOUT*SOMETHING ELSE HERE NO ANIMALS HAVE A BLUE WHALE?

CAN YOU KNOW ASKING AT IT?
The Future of Learning