Schools as factories

Centuries old Military-Industrial requirement.
Produces identical people with identical skills.
Obedience and compliance are more important than curiosity, imagination and creativity.
Purpose of schooling is to serve a ‘ruling class’.
The Hole In The Wall
SOLE
Self Organised Learning Environments
Chaos to order
Hole in the Wall to School in the Cloud

Children in unsupervised and self-organised groups can learn to use the Internet.

They learn to find answers to questions.

Children can learn almost anything by themselves in ‘Self Organised Learning Environments’.

Their reading comprehension, searching skills and self confidence improve quickly.

The presence of a friendly, but not necessarily knowledgeable, mediator can accelerate the process.
The challenge of assessment
The future of Assessment

Current assessment systems look for identical responses from learners.

Open-ended questions cannot be asked in such assessment. We need a new assessment system.

Use of the Internet should be allowed during assessment.

Fair evaluation of such a new assessment system is not possible by human examiners.

More research on automated and continuous evaluation of open-ended questions and tasks is needed.
The future of Pedagogy

‘Spontaneous Order’ as a new method in children’s education, in the presence of the Internet.

It is irrelevant to provide direct factual information, manually.

Reading, writing and arithmetic are of newer and lower priority. Comprehension, communication and computation are the new basics.

The role of memory in education does not need emphasis, devices are playing that role.
Obsolescence
A curriculum of the big questions of our time, the unknown.

All irrelevant knowledge and skills need to be removed.

‘Just in case’ skills and knowledge should be replaced by the skill of learning ‘just in time’.

The Internet must be a subject as important as science or mathematics.

Networks, Chaos Theory and Emergent Phenomena should be introduced into schooling.
‘Driving’ becomes obsolete
A future where ‘knowing’ is obsolete
## New design for schools

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<th>Skills</th>
<th>Comprehension</th>
<th>Communication</th>
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New design for schools

Schools should enable people to live happy, productive and healthy lives.

The duration (years) of schooling needs to be reviewed.

The length of the school day needs to be reviewed.

‘Schooling’ may be redesigned to last throughout life.

Schools and teachers should exist in physical and virtual environments.

Not all teachers need to be human.
The Future of Learning