



COMMONWEALTH *of* LEARNING



Learning for Development

WORLD SCIENCE DAY



Commonwealth
of
Learning

Sri Lanka



Plan

- My studies



Plan

- My studies
- Science



Plan

- My studies
- Science
- Technology



Plan

- My studies
- Science
- Technology
- Technology in Education

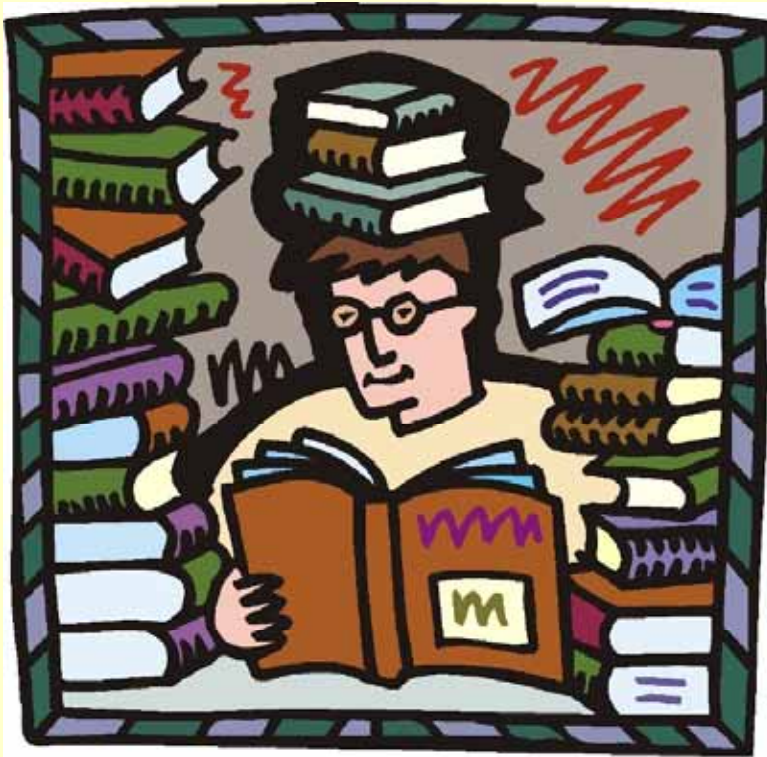


Plan

- My studies
- Science
- Technology
- Technology in Education
- Learning



Lifelong Learning





COMMONWEALTH *of* LEARNING



Learning for Development

Plan

- My studies



OXFORD



PARIS



Studying Metallurgy

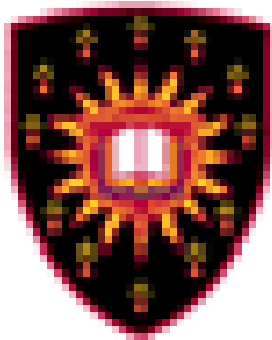




France:
a big commitment to nuclear power



Ecole Polytechnique – Université de Montréal



Concordia
UNIVERSITY

Masters in Educational Technology



The Open University - UK

The Commonwealth of Learning

WHAT IS IT FOR?

To help Commonwealth governments and institutions use various technologies to improve and expand education, training and learning in support of development

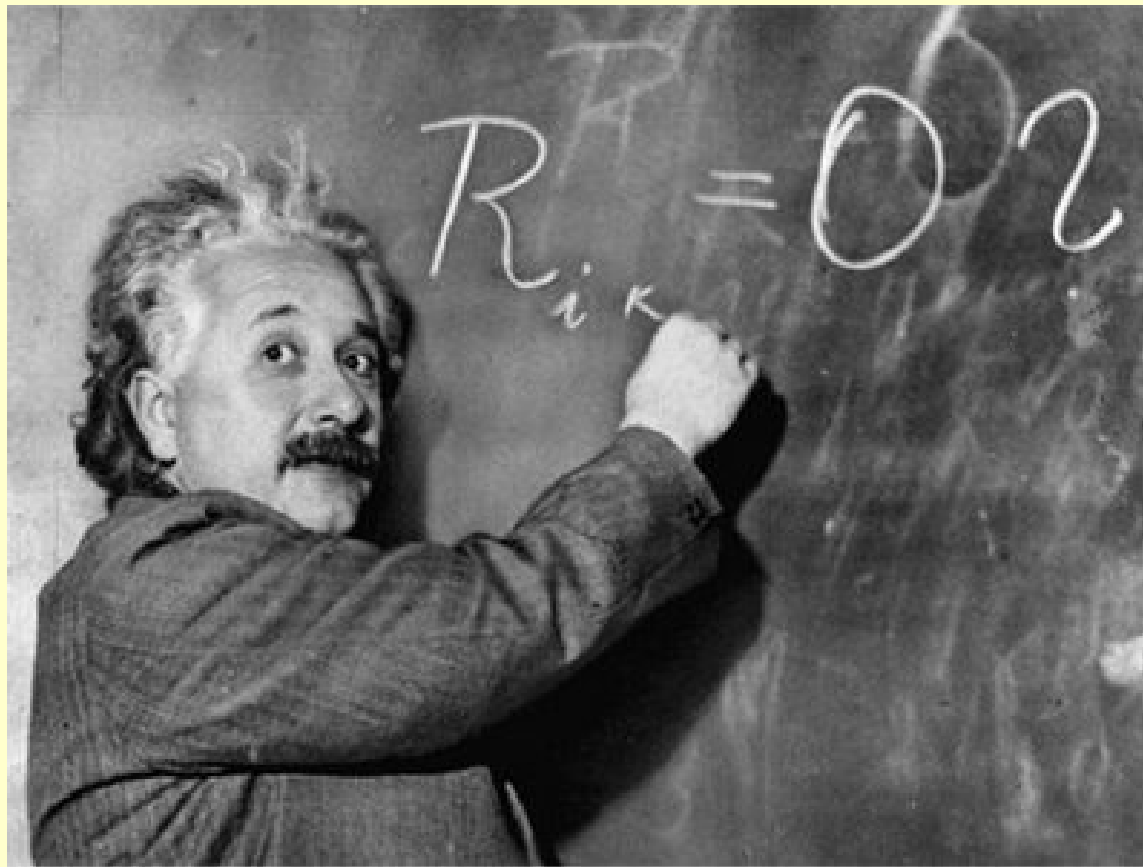


Plan

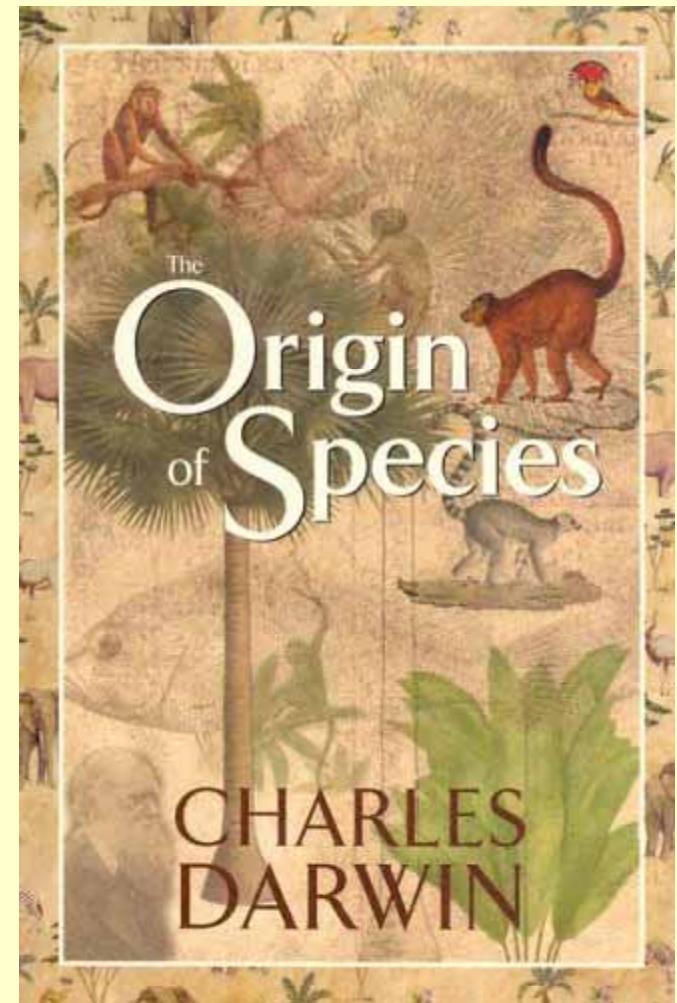
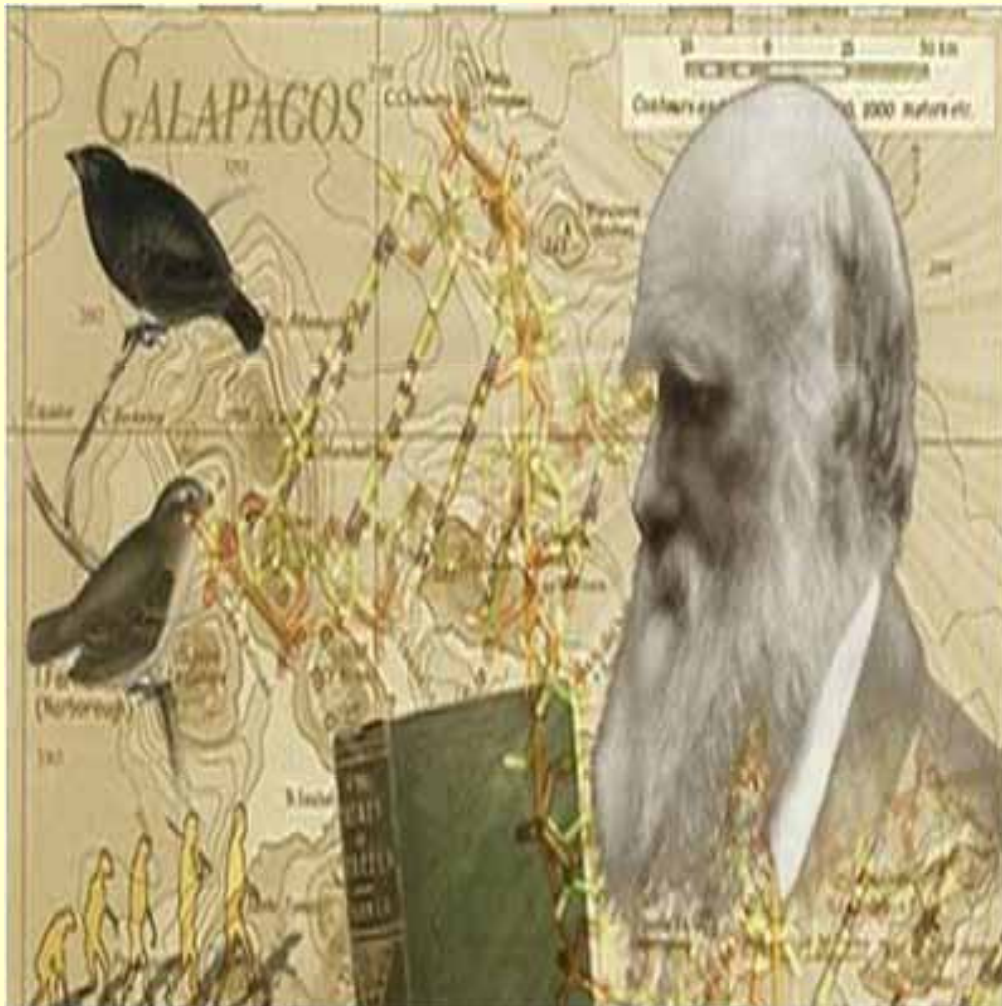
- My studies
- Science



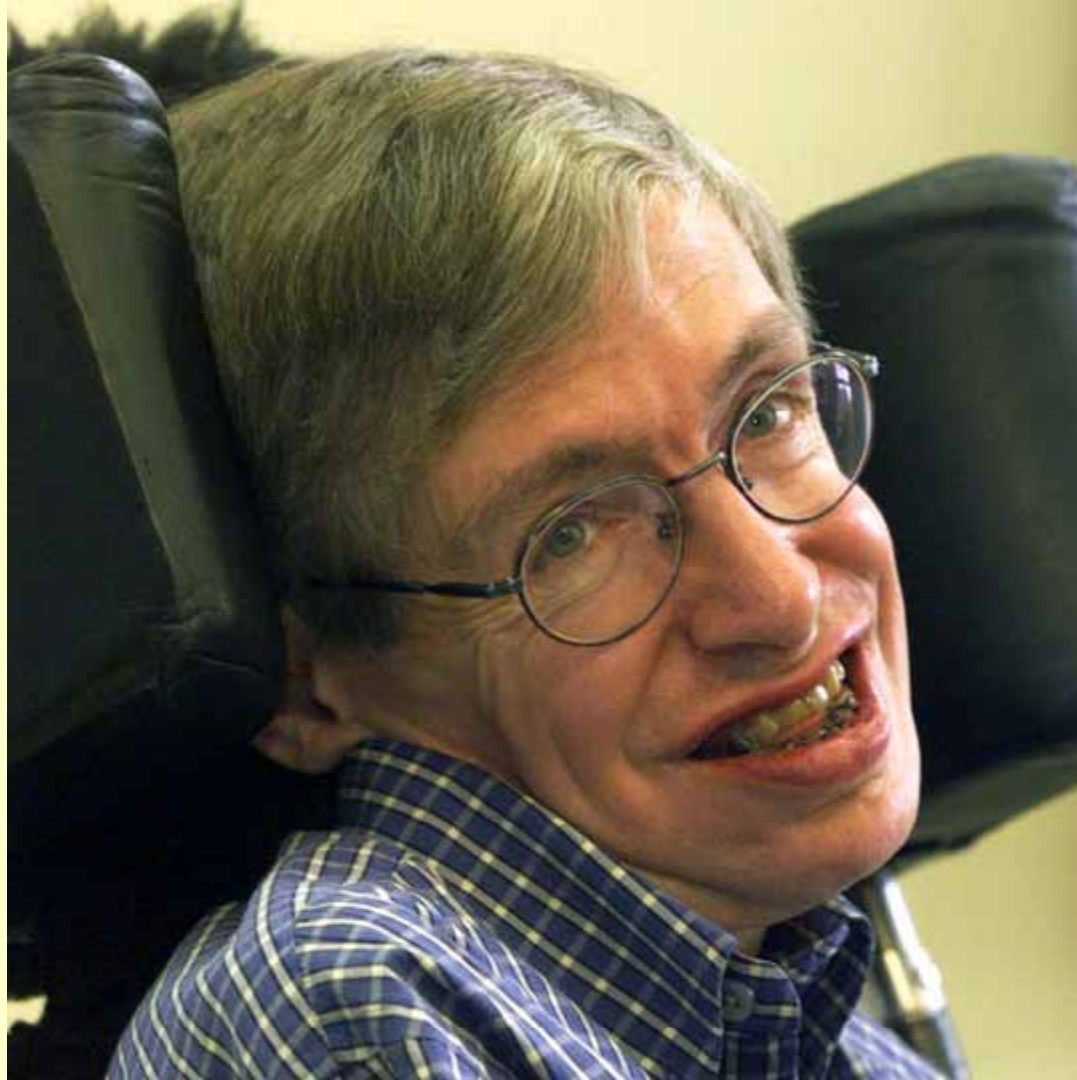
**The key to
science is the
testing of
explanations**



Einstein's principle of relativity:
conceived first through mathematical thinking
and only later confirmed by physical
observation



Darwin's theory of evolution by natural selection was developed by reasoning based on massive numbers of observations



“the laws of physics may not be the same throughout the universe”

Plan

- My studies
- Science
- Technology



Technology

is the application of scientific and other organised knowledge to practical tasks by organisations consisting of people and machines



Adam Smith



AN INQUIRY
INTO THE
NATURE AND CAUSES
OF THE
WEALTH OF NATIONS
Volume I
Elibron Classics

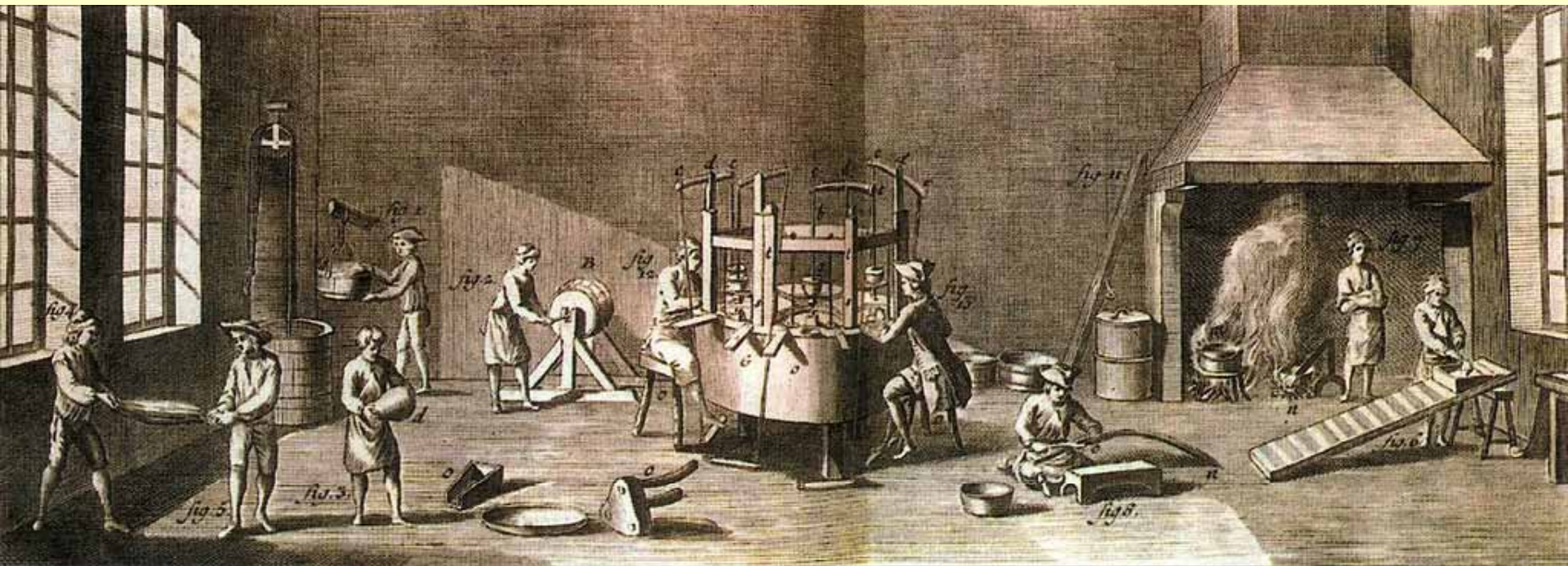


Principles of Technology

- Division of labour
- Specialisation
- Economies of scale
- Machines and ICTs



Adam Smith
1723-1790



Adam Smith's Pin Factory

Industrial Revolution
of the 18th century

and

Communications Revolution
today



“The world is caught in a communications revolution, the effects of which will go beyond those of the industrial revolution of two centuries ago.

Then the great advance was the invention of machines to multiply the potency of men's muscles. Now the great new advance is the invention of machines to multiply the potency of men's minds.

As the steam engine was to the first revolution, so the computer is to the second... At the Open University in the communications revolution... every new form of human communication will be examined to see how it can be used to raise and broaden the level of human understanding.”

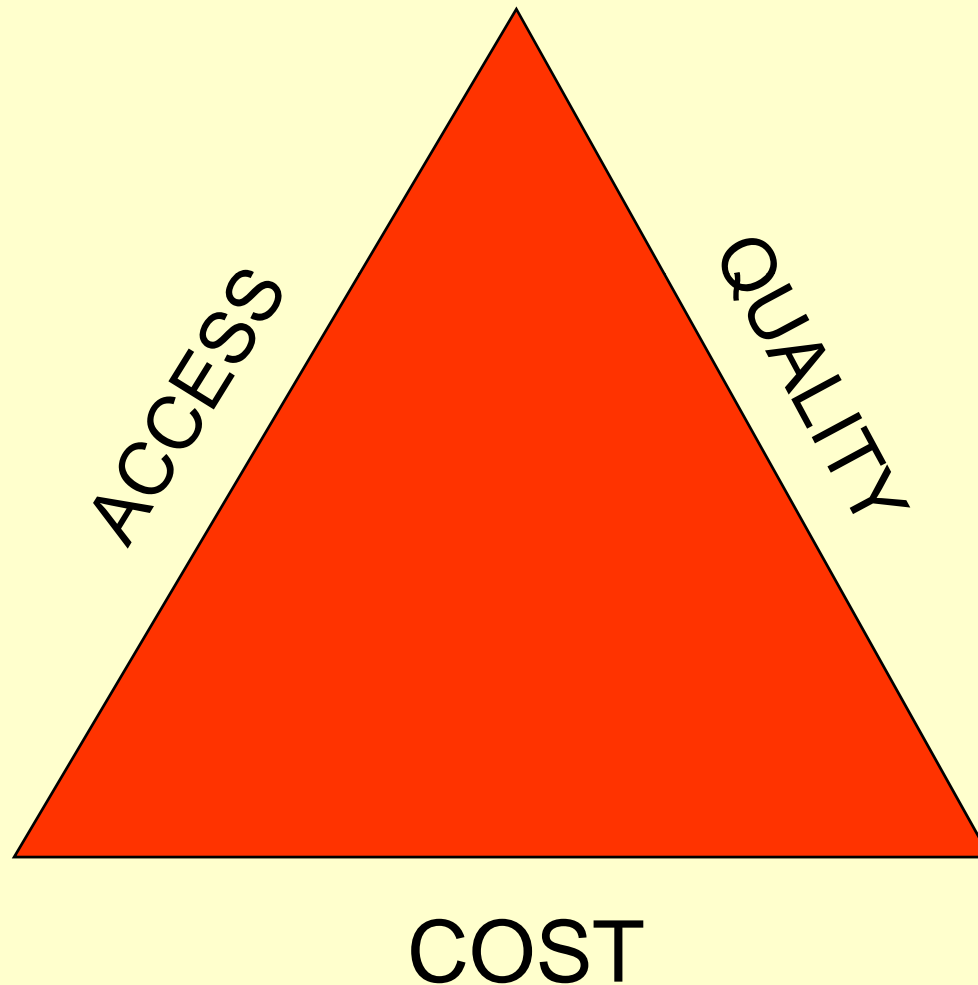
Geoffrey Crowther

The Central Challenge

- ACCESS (wider)
- QUALITY (higher)
- COST (lower)

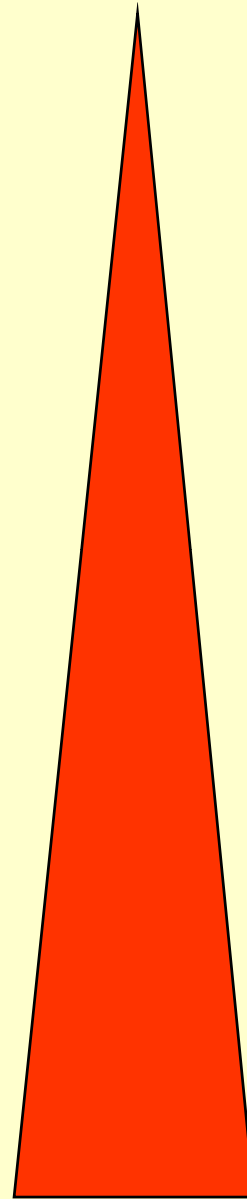


The Iron Triangle



ACCESS

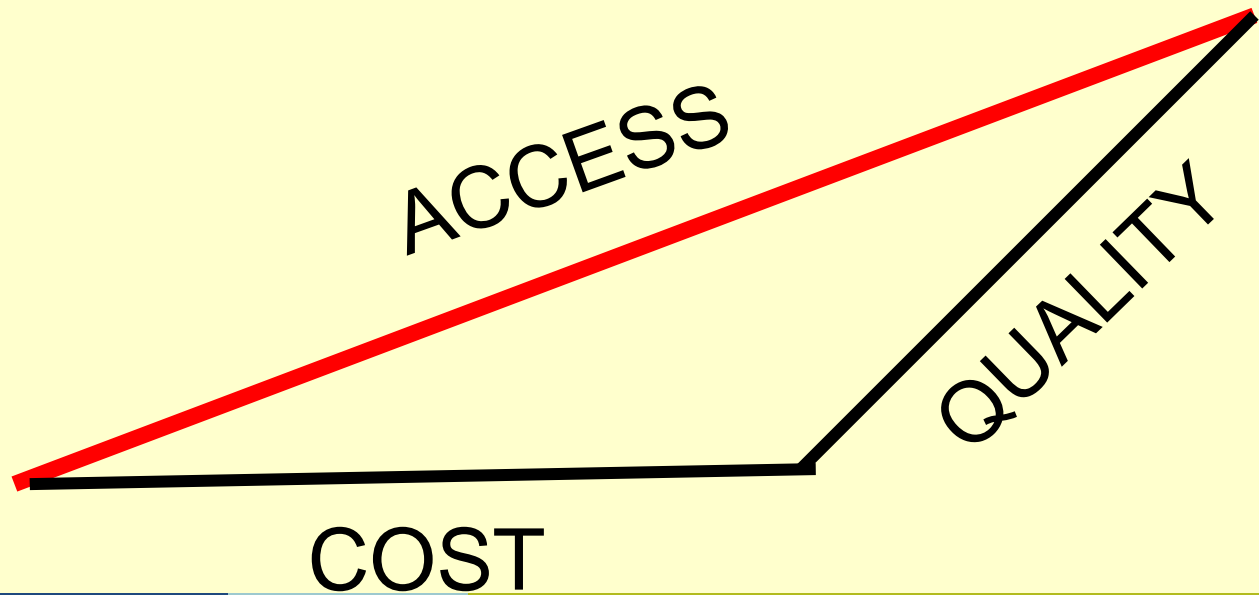
QUALITY



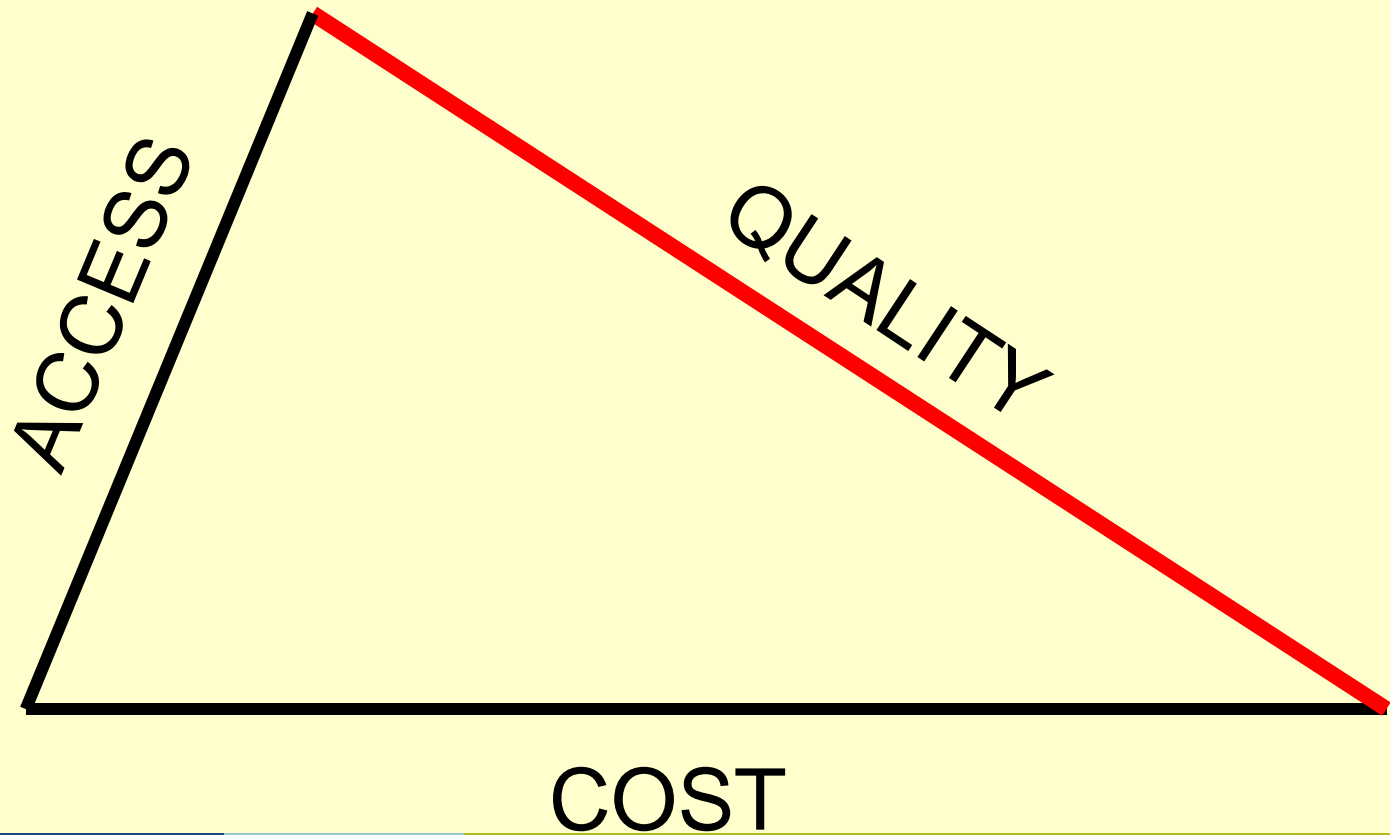
COST



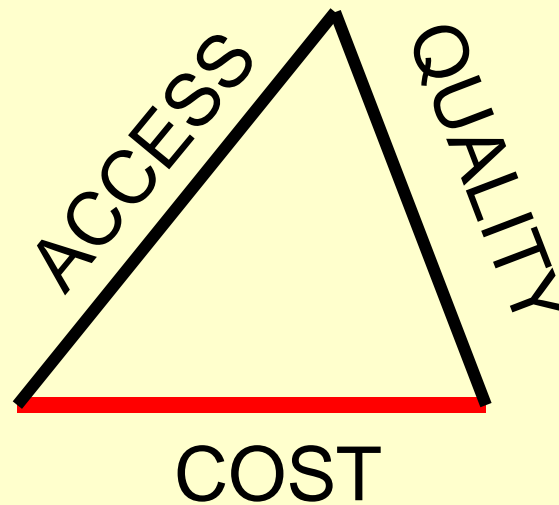
The Iron Triangle



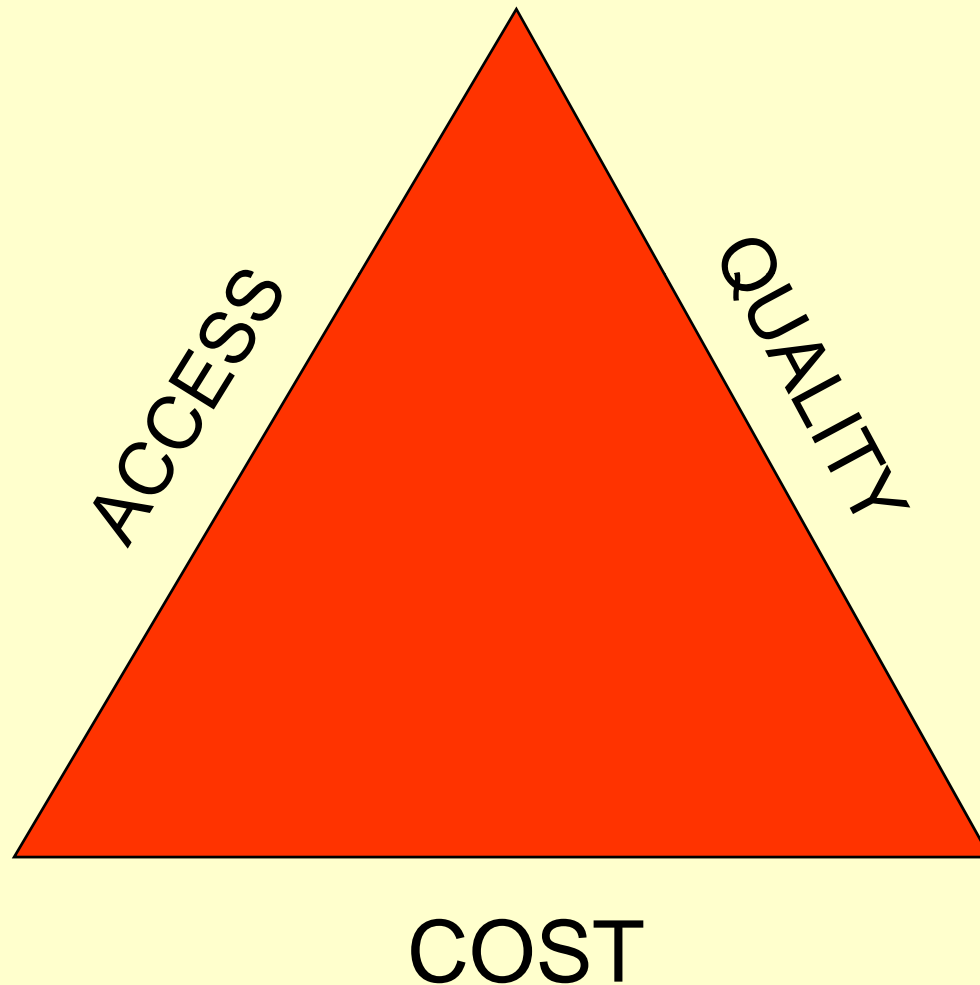
The Iron Triangle



The Iron Triangle

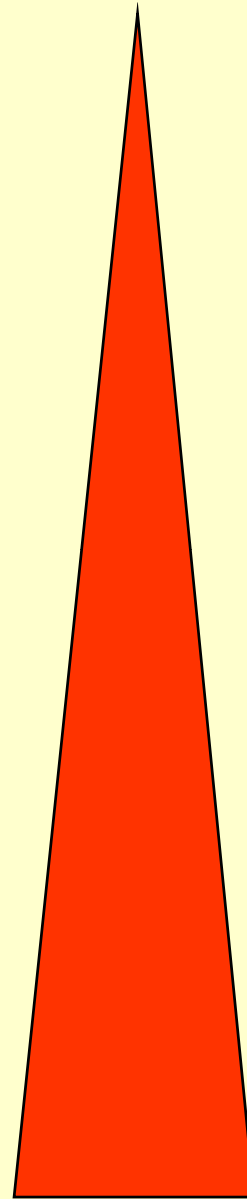


**“an insidious link between
quality and exclusivity”**



ACCESS

QUALITY



COST



The Technology Revolution

- ACCESS (wider)
- QUALITY (higher)
- COST (lower)

ALL AT THE SAME TIME!

OPEN AND DISTANCE LEARNING

combines the
Industrial Revolution
and the
Communications Revolution



Industrial Revolution:

- high quality learning materials



Industrial Revolution:

- high quality learning materials

Communications Revolution

- interaction and feedback
(Synchronous & Asynchronous)



The challenge
is to get a good
combination of
independent study
and
interactive support





EDUCATION

3 observations

Sri Lanka





UNUSUAL PROFILE

- Universal Primary
- Good Secondary

Sri Lanka





The education of girls may also be the most powerful tool against climate change



UNUSUAL PROFILE

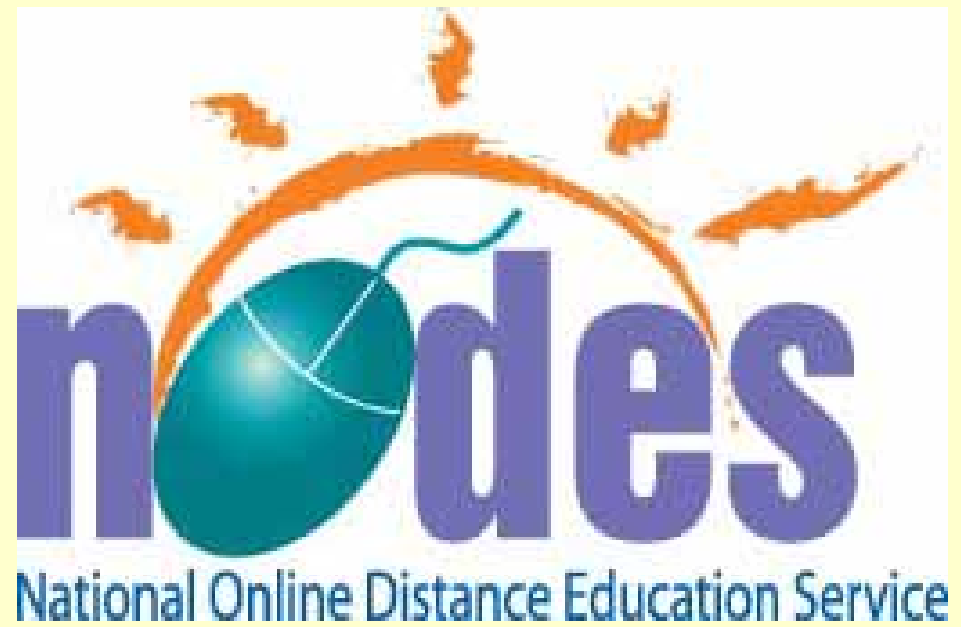
- Universal Primary
- Good Secondary
- Dismal Tertiary

Sri Lanka



The Open University

Sri Lanka



Sri Lanka





EDUCATION
what really counts
is
LEARNING

Sri Lanka



Thank you to
Professor Uma Coomaraswamy



LIFELONG LEARNING FOR FARMERS

Dr. K.
Balasubramanian



Lifelong Learning for Farmers Sri Lanka

Increase income and employment





Banana tissue culture - Hambantota



Diversifying vegetable crops - Batticaloa



Mushroom cultivation - Ruhuna



“individual universities focus on communities in their own region”



Learning for Bankers



Agreeing a loan



If you are
thinking you
are becoming
lifelong
learners!

Sri Lanka



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Learning for Development

WORLD SCIENCE DAY



Commonwealth
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Learning

Sri Lanka





Text & slides at:
www.col.org/speeches

THANK YOU