



Information and Communication Technology: TECHNOLOGY

TECHNOLOGY



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Question # 3



3. What is the ICT?

ICT = Information and Communication Technology



A “lexical approach”:

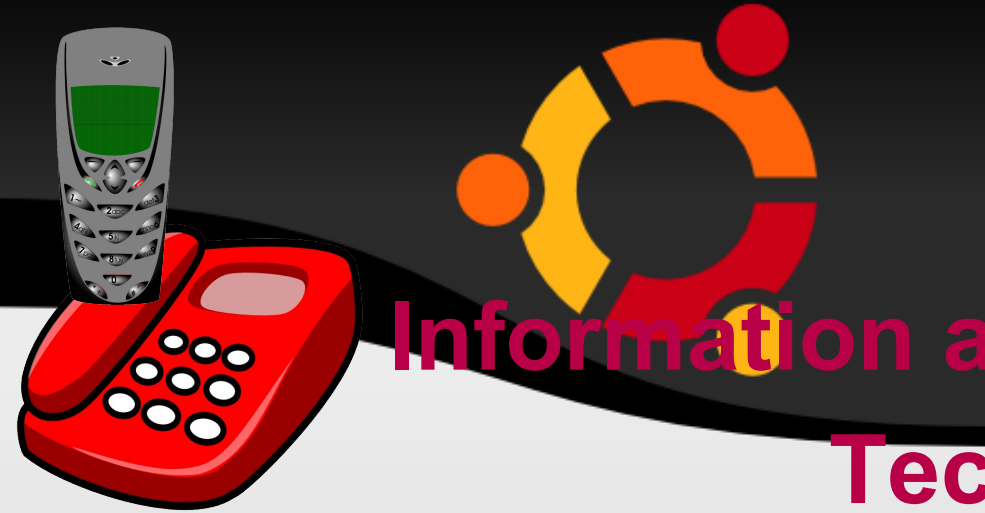
3 (three, actually 4?)

words:

(1) TECHNOLOGY

(2) INFORMATION

(3) COMMUNICATION



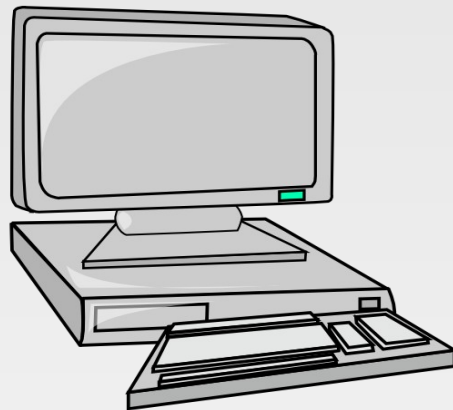
Information and Communication Technology:

The Meaning of TECHNOLOGY

THE ISOLATED
AND EXTENDED
MEANING

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Technology:

- The ISOLATED meaning
- The EXTENDED meaning



Technology:



■ The ISOLATED meaning

■ Sources:

- Dictionary
- Encyclopaedia
- Thesaurus
- “Wikipedia”



All kinds of DICTIONARIES:



All kinds of Dictionaries

- W.J.S. Poerwadarminta, "**Kamus Umum Bahasa Indonesia**", PT. Balai Pustaka, 1976:

"**teknologi**" = "ilmu teknik"

"**teknik**" = 1 pengetahuan dan kepandaian membuat sesuatu yang berkenaan dengan hasil industri (bangun-bangunan, mesin, dsb.)



- **"MacMillan Dictionary for Children",**
MacMillan Public Coy., 1989:

"technology":

1. The use of science for practical purposes,
especially in engineering and industry
2. Methods, machines, and devices that are used
in doing things in a science or profession



- **"Webster's II New Riverside Dictionary",**
Berkeley Books, NY, 1984:

"technology":

1. The application of scientific knowledge esp. in industry or business
2. The methods and materials of applied science



- **"The New Merriam-Webster's Dictionary", 1989:**

"technology" = applied science

= a technical method of achieving a practical purpose

"technique" = **"technic"** = the manner in which technical details are treated or basic physical movements are used

"engineering" (English) = *"teknik"* (Bah. Indonesia)

= the practical application of scientific and mathematical principles

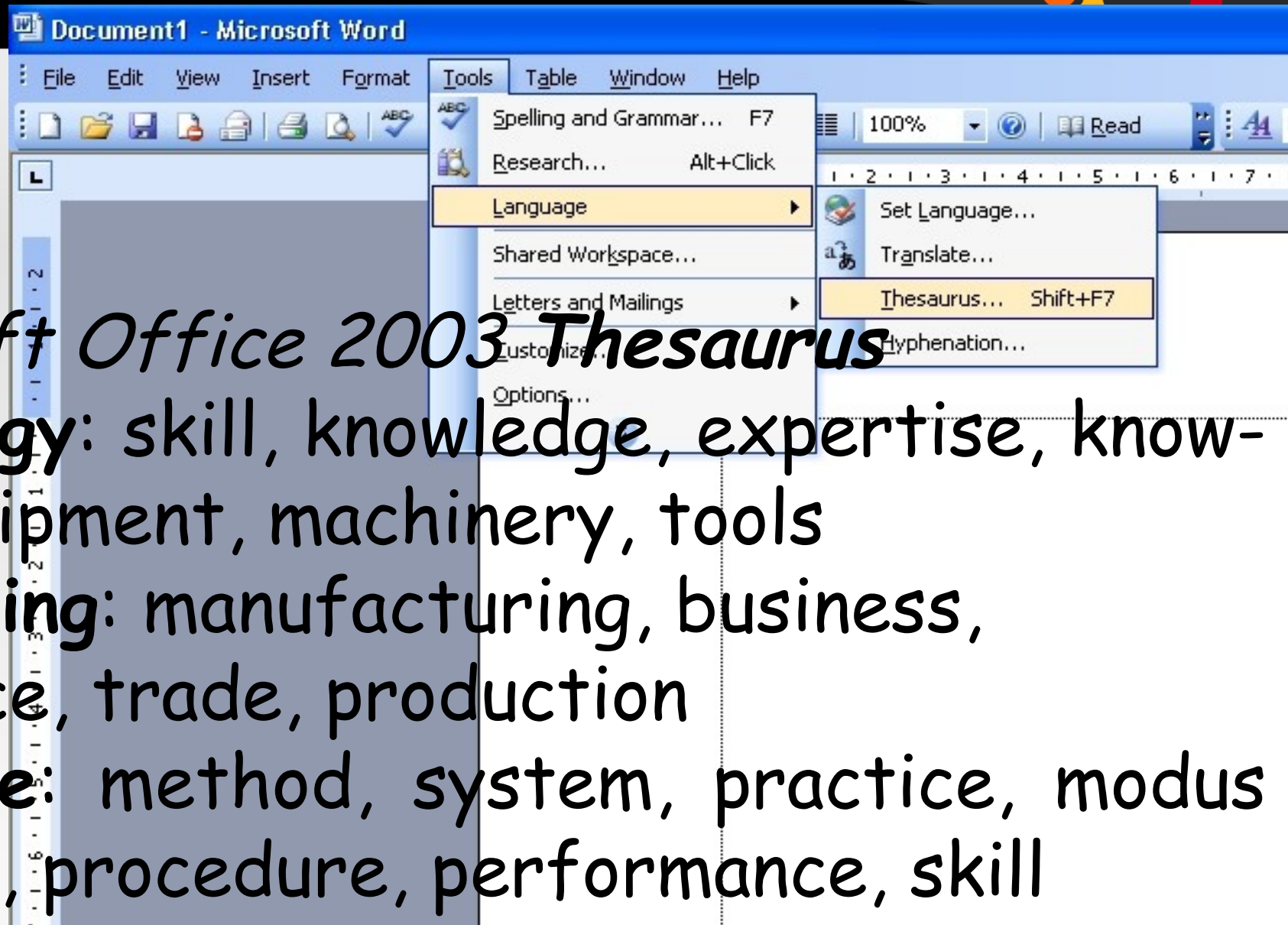
The shift of meaning



*(as quoted from **Langdon Winner's**
“Autonomous Technology”, [1977], page 8)*

- *Webster's Second International [1909]:*
“technology” = “industrial science, the science or systematic knowledge of the industrial arts, especially of the more important manufactures”
- *Webster's Third New International [1961]:*
“technology” = “the totality of means employed by people to provide itself with the objects of material culture.”

Thesaurus



Microsoft Office 2003 **Thesaurus**
technology: skill, knowledge, expertise, know-how, equipment, machinery, tools
engineering: manufacturing, business, commerce, trade, production
technique: method, system, practice, modus operandi, procedure, performance, skill



<http://en.wikipedia.org/>

The Technology Portal

Technology (Gr. technologia (τεχνολογία) < techne (τέχνη) "craft" + logos (λόγος); "reason")

Technology predates both **science** and **engineering**. It may be defined as: *"Solutions for real human problems by the development and application of tools, machines, materials, goods, or information in the form of skills, knowledge, processes, blueprints, plans, diagrams, models, formulae, tables, engineering designs, specifications, manuals, or instructions."*



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NEXT

**The EXTENDED
MEANING of
TECHNOLOGY**