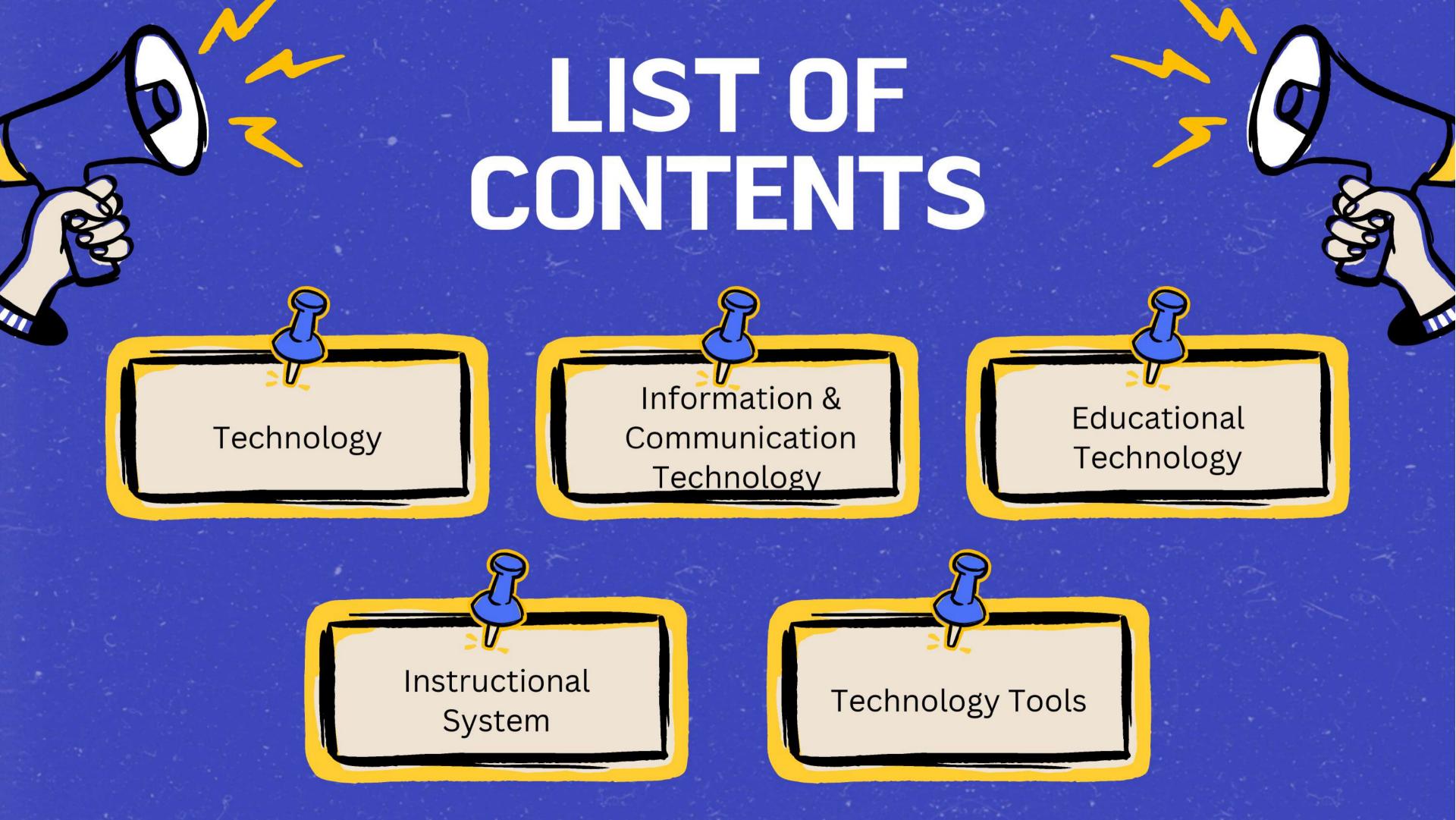
# CHAPTERI

ICT: BASIC TERMS AND CONCEPTS

At the end of the lesson, the students are expected to:

Define the concepts in understanding ICT in education; and

Determine the interrelation of concepts in ICT in education.







### TECHNOLOGY

The New Book of Knowledge (2007)
Greenwood Dictionary of Education (2003)
Newby et al. (2000)



-is the use of digital technology, communication tools and networks to access, manage, integrate, evaluate, create and communicate information (Guro 21, 2011).

Anderson, 2010 UNDP, 2001 UNESCO, 2011 RA 10844, 2016 TESDA, n.d.

Florencio & Andong, 2008

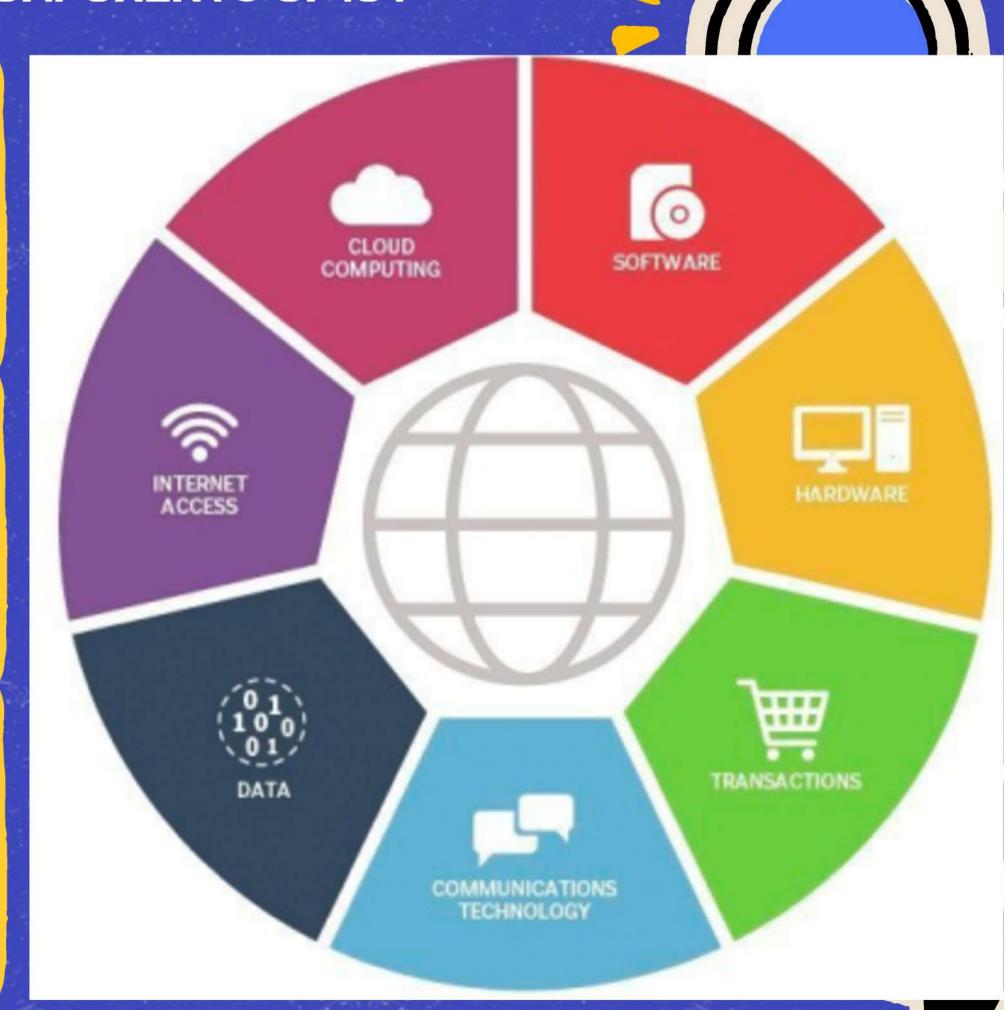
#### THERE ARE 6 COMPONENTS OF ICT:



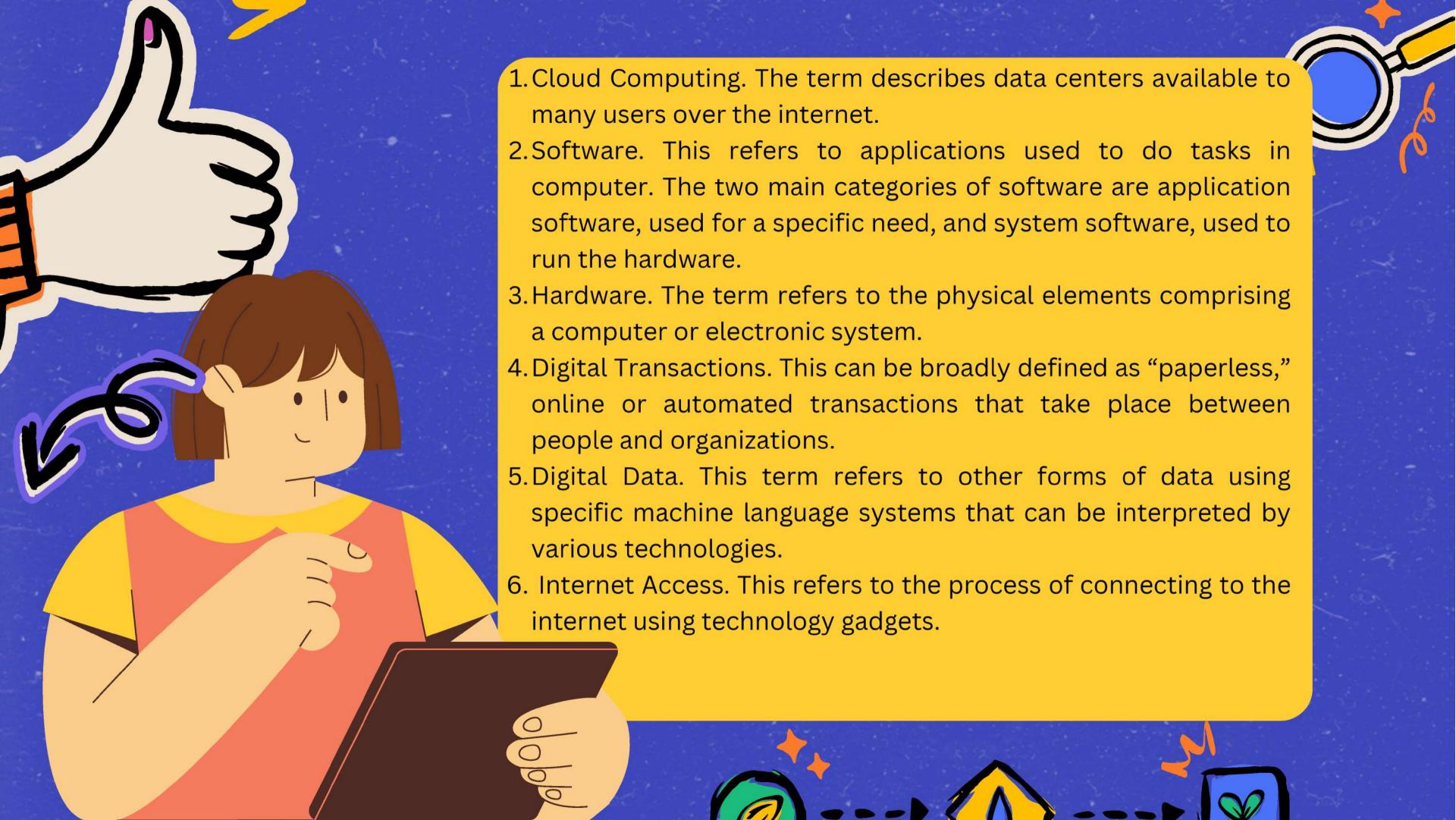
1. CLOUD COMPUTING 2. SOFTWARE

3. HARDWARE
4. DIGITAL
TRANSACTIONS

5. DIGITAL DATA 6. INTERNET ACCESS







## EDUCATIONAL TECHNOLOGY









#### EDUCATIONAL TECHNOLOGY

the practice of using methods and resources to facilitate the learning process (Lucido, 1997) **UNESCO, 1974 AECT, 2008** 

#### INSTRUCTIONAL SYSTEM

-methods or strategies to make way for students to learn the lesson easily, instructional utilizing appropriate materials.

General steps involved in the procedures are:

- 1. defining learning objectives;
- 2. determining sprecifications for a 5. system debugging system that would meet the objectives;

involved in General steps the procedures are:

- 3. desigining a system based on the specifications;
- 4. developing the system
- implementation and system evaluation.



## TECHNOLOGY TOOLS

Technology tools are software used to develop or support online course content. Chalk, posters, and overhead projectors were considered technology tools before. Technology tools include all tools that enhance the delivery of instruction.

#### Categories:

- 1. DATA / CALCULATION TOOLS: include electronic databases and spreadshets
- 2. DESIGN TOOLS: include computer-aided designs
- 3. DISCUSSION TOOLS: include blogs, forums, and video conferencing
- 4. COMMUNICATION TOOLS: include e-mail
- 5. HANDHELD DEVICES: include palmtops and digital cameras
- 6. INSTRUCTIONAL TOOLS: include instructional softwares
- 7. INTERACTIVE TOOLS: include interactive websites
- 8.PUBLISHING / VISUAL TOOLS: include digital cameras, scanners, and graphics software used for imaging
- 9.MULTIMEDIA TOOLS: include presentation tools incorporating texts, sounds, and graphics; and
- 10. WRITING TOOLS: include word processing softwares



