

IT Basics

The Adventure Continues...

What we know so far...

- People & Computers both **Communicate**...
- They both communicate using **Code**...
- Code is a System of **Signs**...
 - Humans: Language & Gestures
 - Computers: Numbers
- Signs carry **Information**.
- Information always has some **Meaning**.

Something's missing...

Communication is the Transfer of

Information.

(meaning)

The Process of Communication



How do Components connect?

Computer Components connect through an

Interface

The Smallest Unit of IT is a

bit

(Binary Digit)

Today's IT: a binary system

Numbers: 1 0
Logic: TRUE FALSE
Electricity: ON OFF
Analogy:



The Next Unit of IT is a



Byte

(= 8 bits)

Other Units of Digital Information

- 1 KiloByte (KB) 1024 Byte
- 1 MegaByte (MB) 1024 KB
- 1 GigaByte (GB) 1024 MB
- 1 TeraByte (TB) 1024 GB