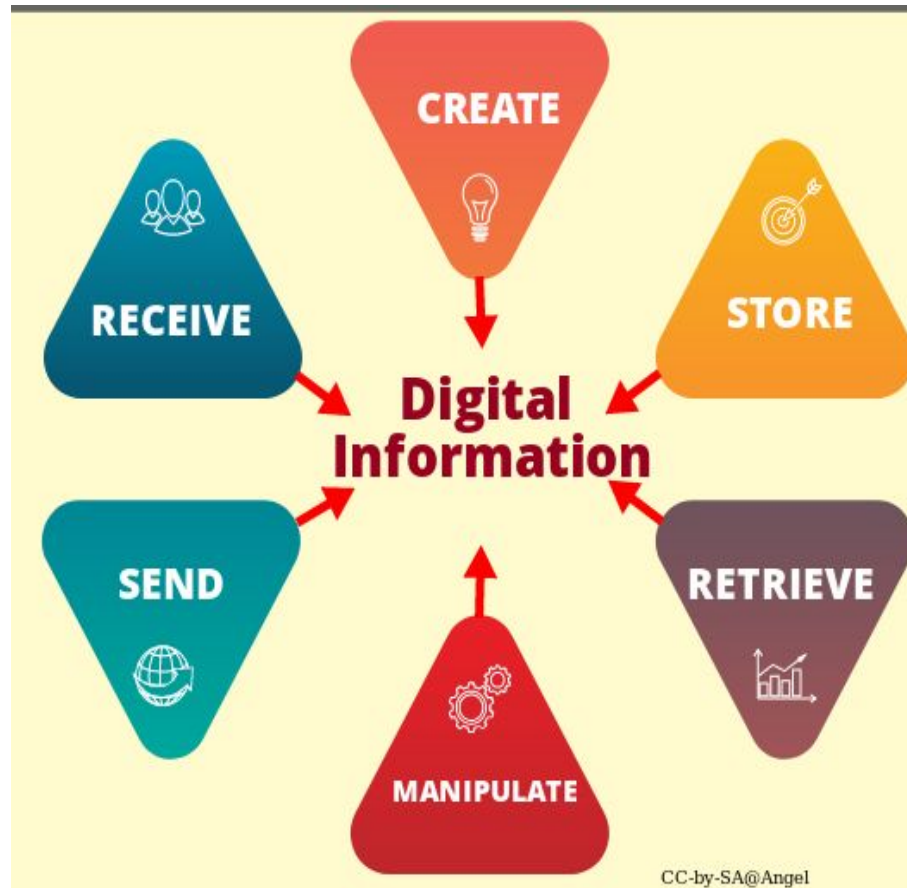


Integration of ICT in Teaching, Learning and Assessment

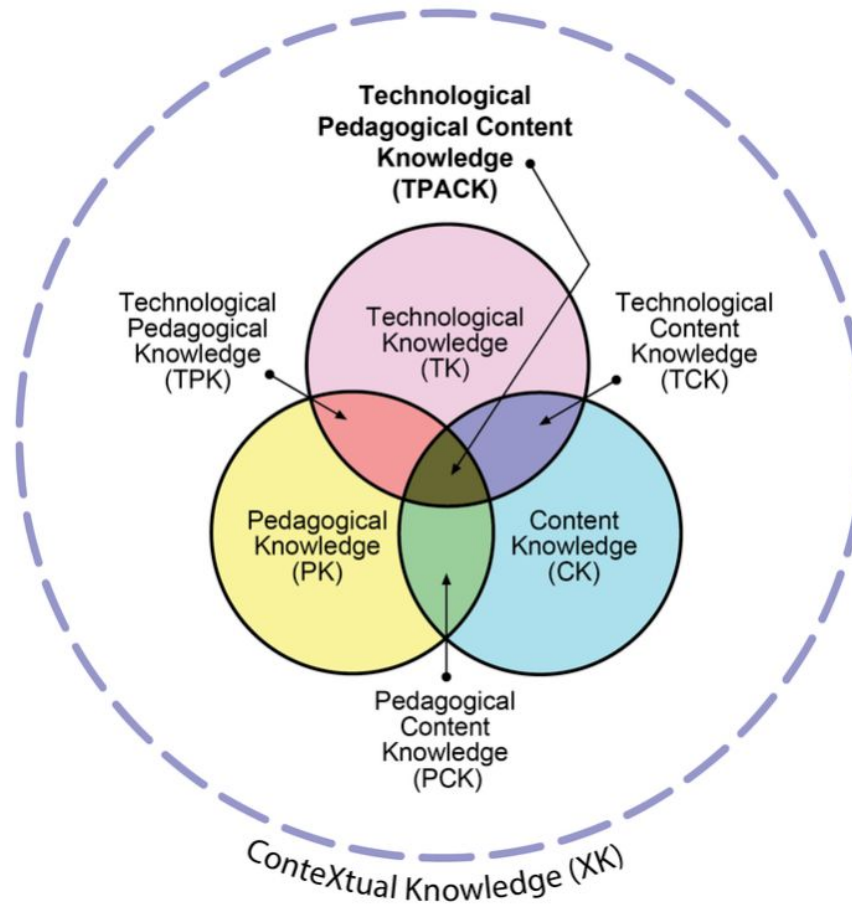
Central Institute of Educational Technology,
NCERT

Concept of ICT

As per UNESCO, ICT refers to create, store, retrieve, manipulate, transmit and receive digital information.



ICT Pedagogy Integration



Source: <https://commons.wikimedia.org/wiki/File:TPACK-new.png>

Parameters to be considered while integrating ICT

Parameter - 1: Nature of content

1. Factual
2. Conceptual
3. Procedural
4. Metacognitive

Parameters to be considered while integrating ICT

Parameter: 2 Context

Characteristics to Consider about Learners



Parameters to be considered while integrating ICT

Parameter 3: Method of teaching/ learning

Parameter 4: Technology/ Tools/ e-Content

- eContent need to be selected appropriately for using in the teaching-learning process
- Criteria For Media Selection and Integration
- Availability
- Accessibility
- Reliability and Validity
- Economy/Costing

eContents for Teaching Learning

eContents are e text, video, audio/voice narration, music, sound effects, images and graphics; singly or in combination to create a fictional or non fictional media or multimedia narration.

Different Forms of Digital Contents

Mind Maps

Simulation

Audio

Video

Advertisement

Interactive media

Info graphics

Photographs

Animation

Cartoons

Comic Strips

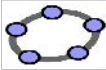

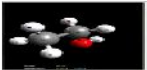

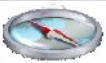








Slide shows,

Diagrams,

Charts,

Graphs,

Flow diagrams

Software	Category
Geogebra 	Subject Specific - Mathematics
KHangman 	Subject Specific - English
Kalzium 	Subject specific - Chemistry
Avagadro 	Subject specific - Chemistry
Marble  MARBLE	Subject specific - Geography
GComprise Educational Suit 	Subject specific - Primary level all subjects
Audacity 	Generic
Openshot Video Editor 	Generic
Freeplane 	Generic
GIMP 	Generic
Turtleblock 	Generic
Scratch 	Generic
Tux Paint 	Generic

Mobile Technology Solutions

- Stop motion Studio
- Quiver
- Solar Walk
- Bio digital human
- Street view

Thanks for your attention

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