Multimedia Resources for Teaching, Learning and Assessment Concept, Need, and Scope

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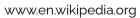
Types of media

- Audio
- Text
- Drawing / Illustrations
- Photographs

- Videos
- Animation
- Simulation
- Augmented Reality / Virtual Reality
- Mixed reality,
 Metaverse











Types of media

Audio	Listening	
Text	Reading / Symbols	
Graphics	Imagery	
Photographs	Factual representation	

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Types of media

Videos	Factual representation using moving images
Animation	Moving images
Simulation	Interactivity
Augmented Reality / Virtual Reality	Technology enabled imagery in the user's environment in real time, Immersive technologies







Graphics

Static graphics

- Drawings/Illustrations
- Photographs
- Charts/tables/graphs

Motion graphics

- Videos
- Animations





Graphics For Learning

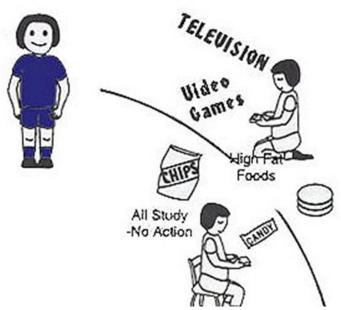
Function	A graphic used to:	Examples
Decorative	Add aesthetic appeal or humor	Art on the cover of a book Visual of a general in a military lesson on ammunition
Representational	Depict an object in a realistic fashion	A screen capture A photograph of equipment
Mnemonic	Provide retrieval cues for factual information	A picture of 10 forks stuck in a door to retrieve meaning of Spanish word for fork: Tenador
Organizational	Show qualitative relationships among content	A two-dimensional course map
Relational	Show quantitative relationships among two or more variables	A line graph A pie chart
Transformational	Show changes in objects over time or space	An animation of a weather cycle A video showing how to operate equipment
Interpretive	Illustrate a theory or principle	A schematic diagram of equipment An animation of molecular movement





Carney, R.N. Levin, J.R





Decorative

Add aesthetic appeal or humor







Representational

Depict an object in a realistic fashion



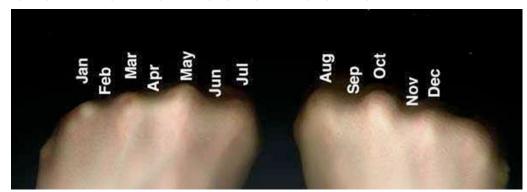






Mnemonic

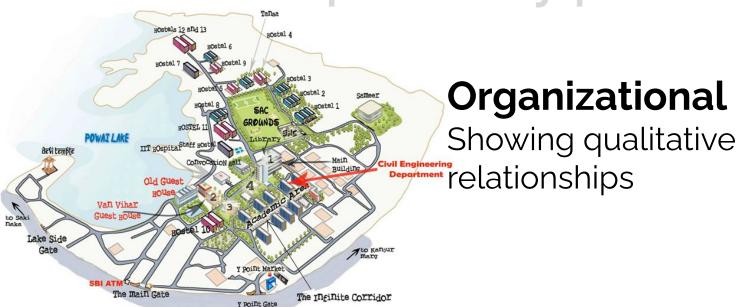
Converting a graphic in a form that the brain remembers it better

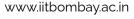


http://trainingwheels.homestead.com/ www.en.wikipedia.org



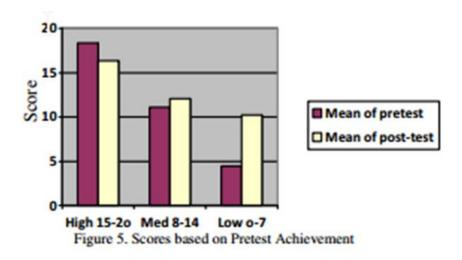












Relational

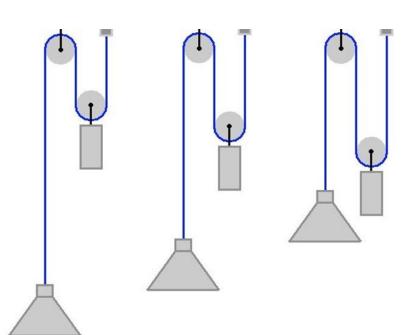
Showing quantitative relationships



http://nicolesouza211.blogspot.in/







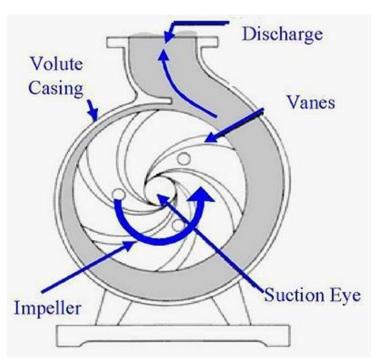
Transformational

Show changes over time and space









Interpretive

Illustrate a theory or a principle





Content specific graphics*

- Fact
- Concept
- Principle
- Process
- Procedure

- Representational
- Representational / organizational
- Multimedia dynamic visuals
- Organizational / interpretive
- Dynamic visuals







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