Digital Resources for Teaching Learning and Assessment: Types and Formats

Prof. Indu Kumar,

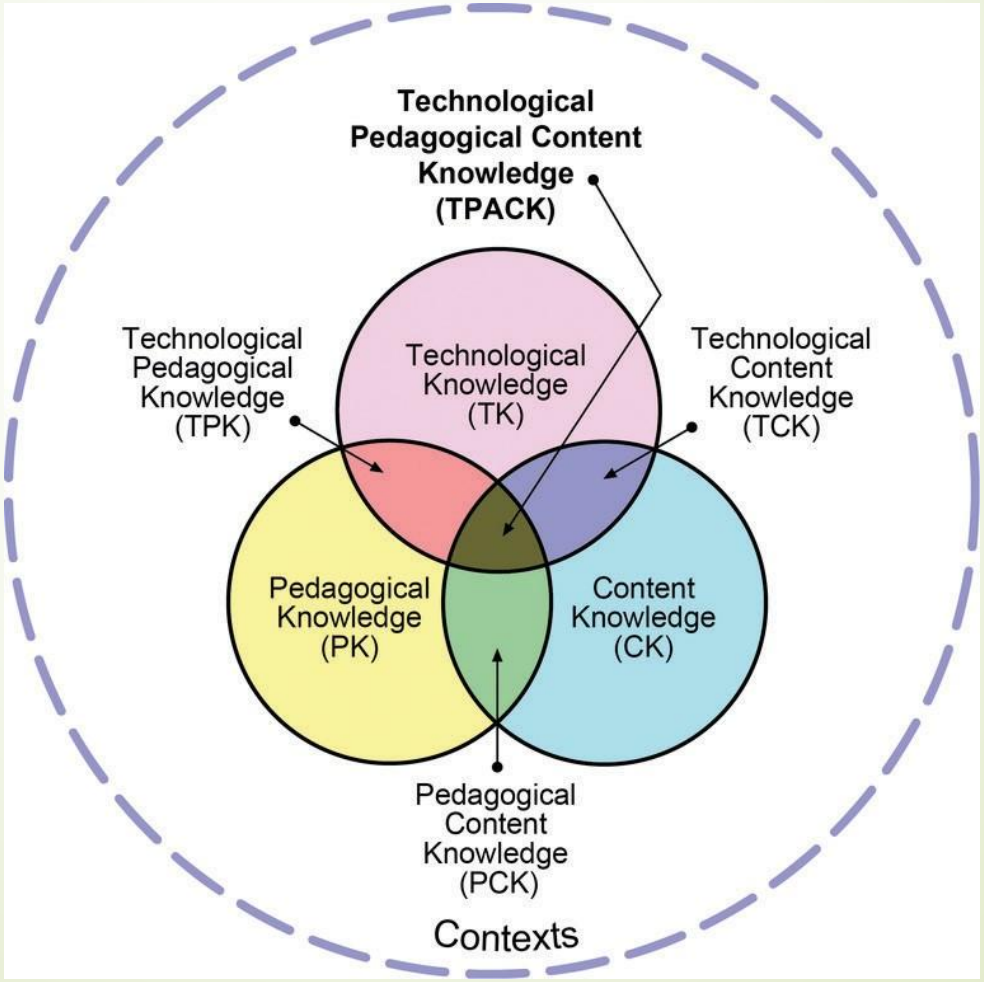
Head Department of ICT & TD

Central Institute of Educational Technology, NCERT

What do we understand by Digital Resources

Digital Resources 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.

How to Integrate ICT in Teaching-learning?



3E AND 5E MODEL

Enhance	Extend	Empower
Adopting technology in simple and effective ways to actively support students and increase their activity and self-responsibility	Further use of technology that facilitates key aspects of students' individual and collaborative learning and assessment through increasing their choice and control	Developed use of technology that requires higher order individual and collaborative learning that reflects how knowledge is created and used in the professional environment

Source: http://izonescience.weebly.com/5e-instructional-framework.html

Nature of content

- Factual
- Conceptual
- Procedural
- Metacognitive

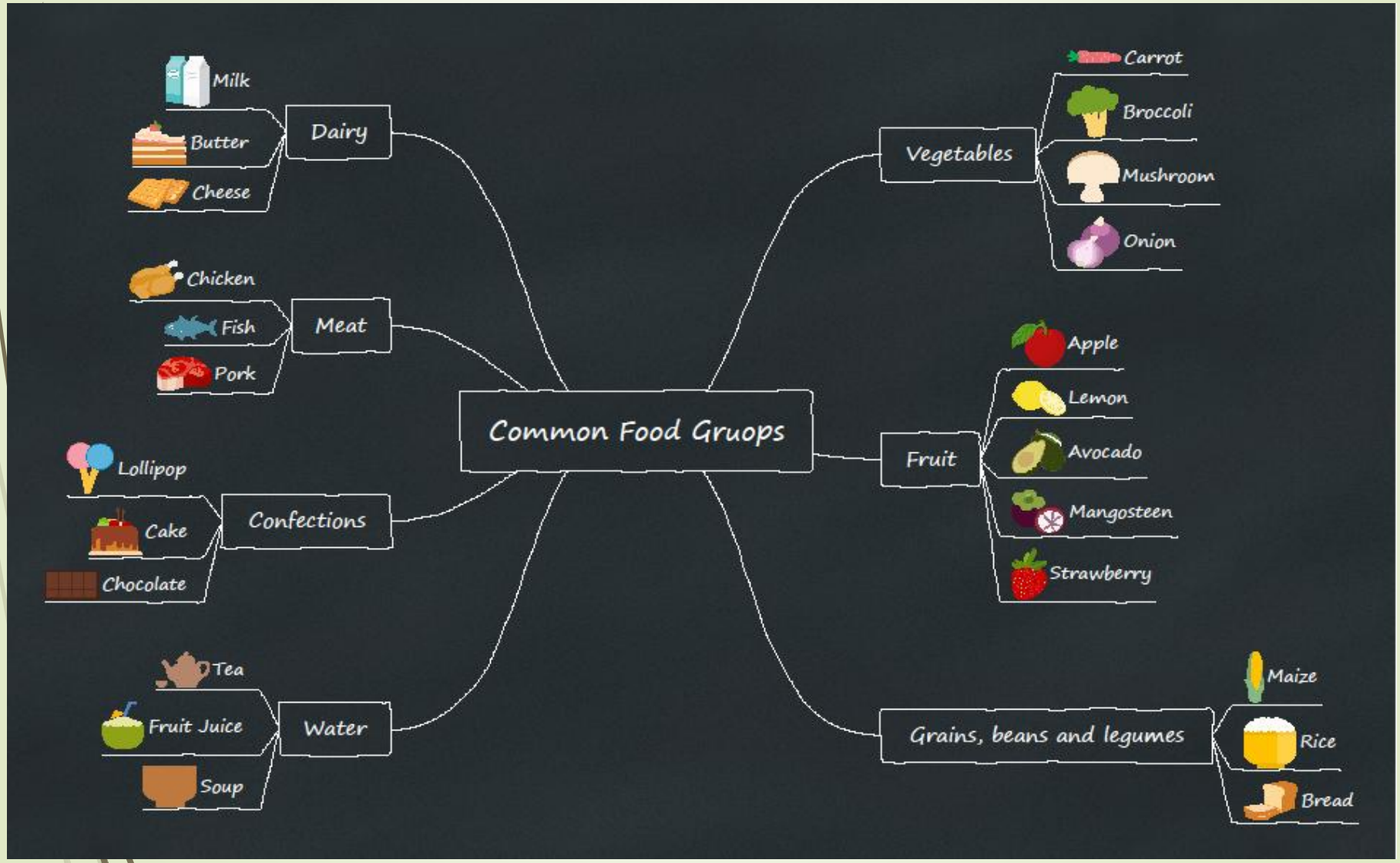
Forms of eContent

- Mind Maps
- Maps
- Simulation
- Audio
- Video
- Advertisement
- Interactive media
- Info graphics
- Photographs

Forms of eContent

- Animation
- Cartoons
- Slide shows
- Timelines
- Diagrams,
- Flow diagrams
- Charts,
- Graphs,

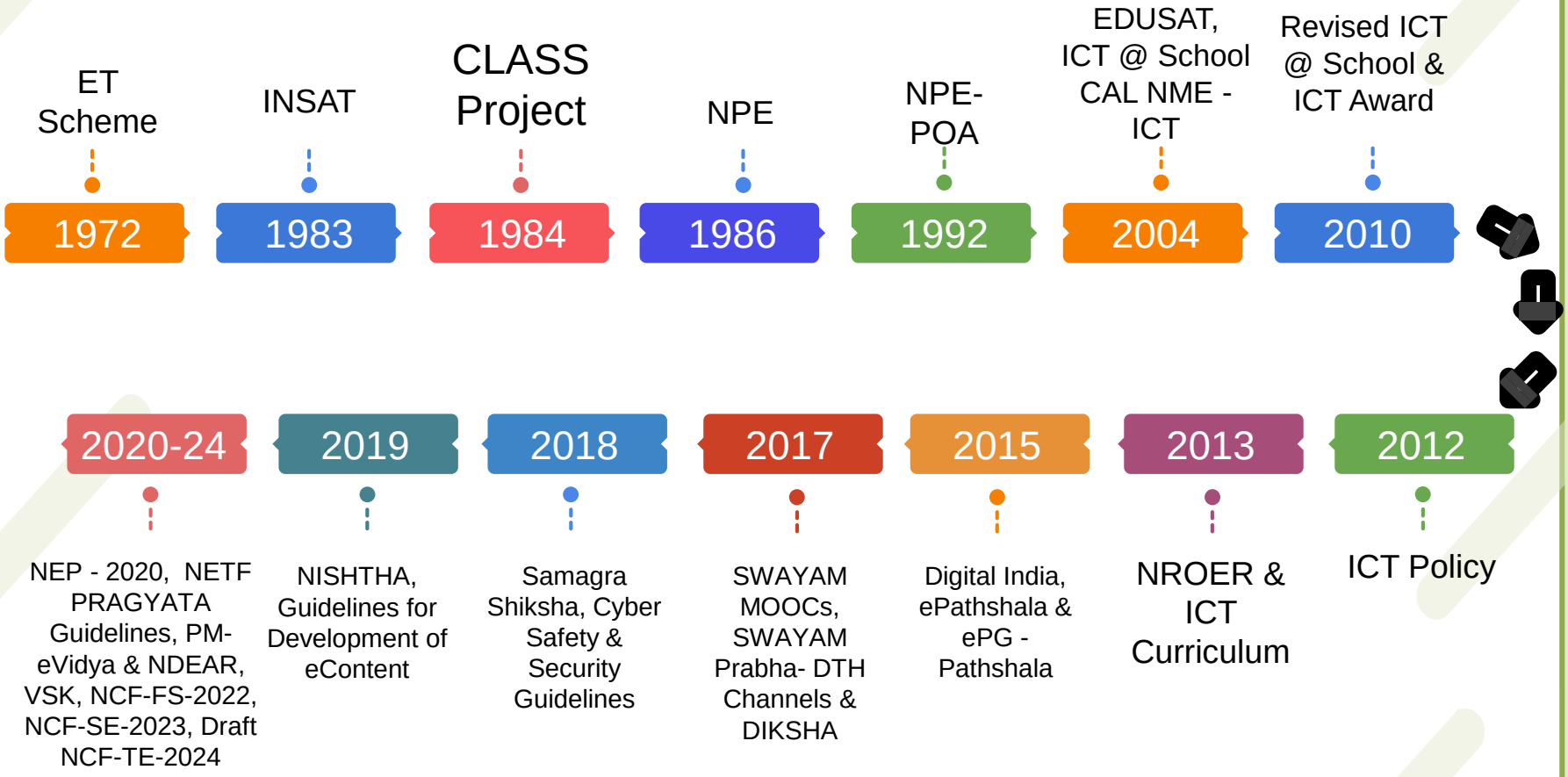
Exemplar eContent:Mind Map



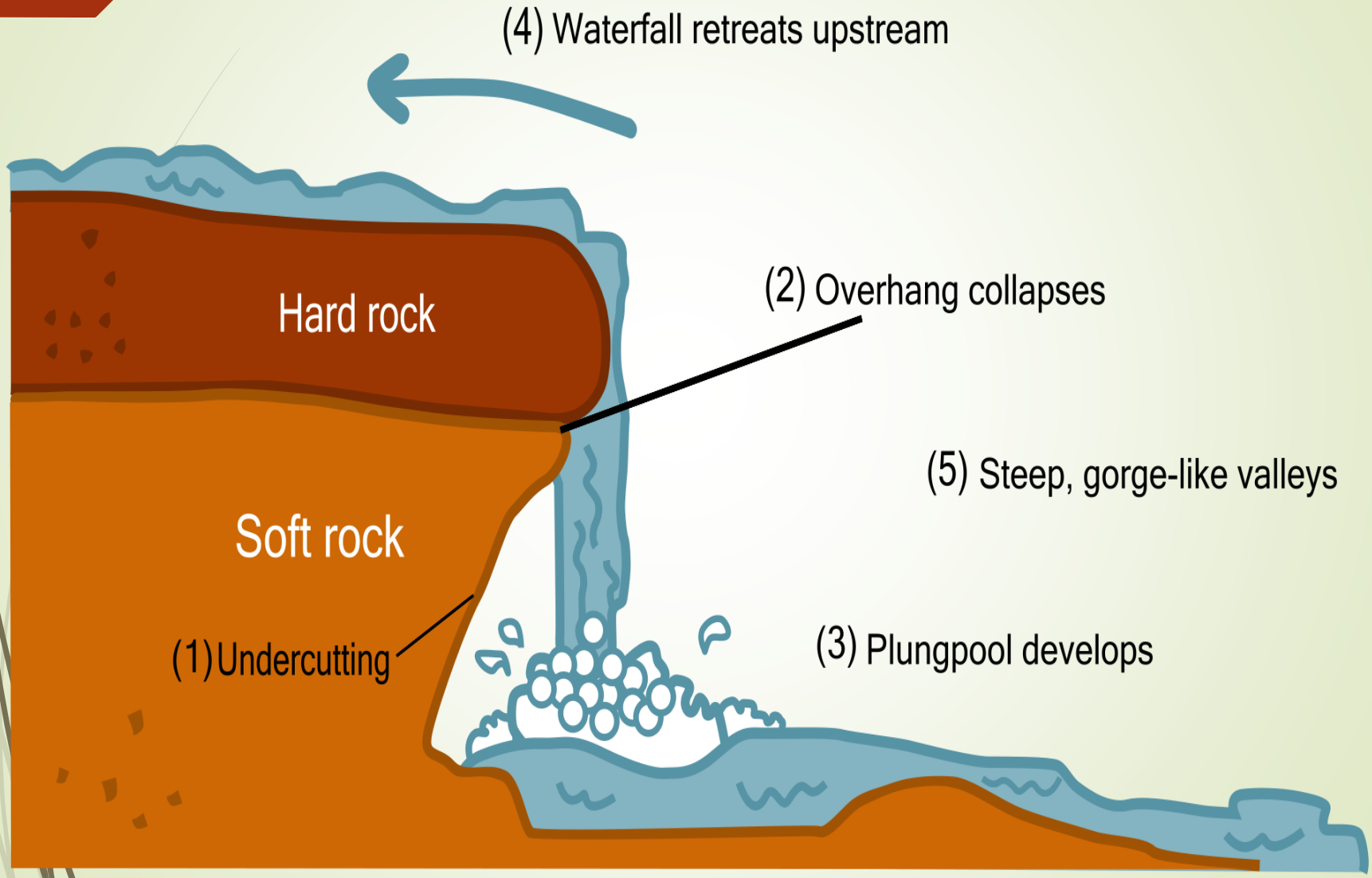
Exemplar eContent:Flow Diagram

- Family Tree Infographic.pdf

Timeline: Policy Directions



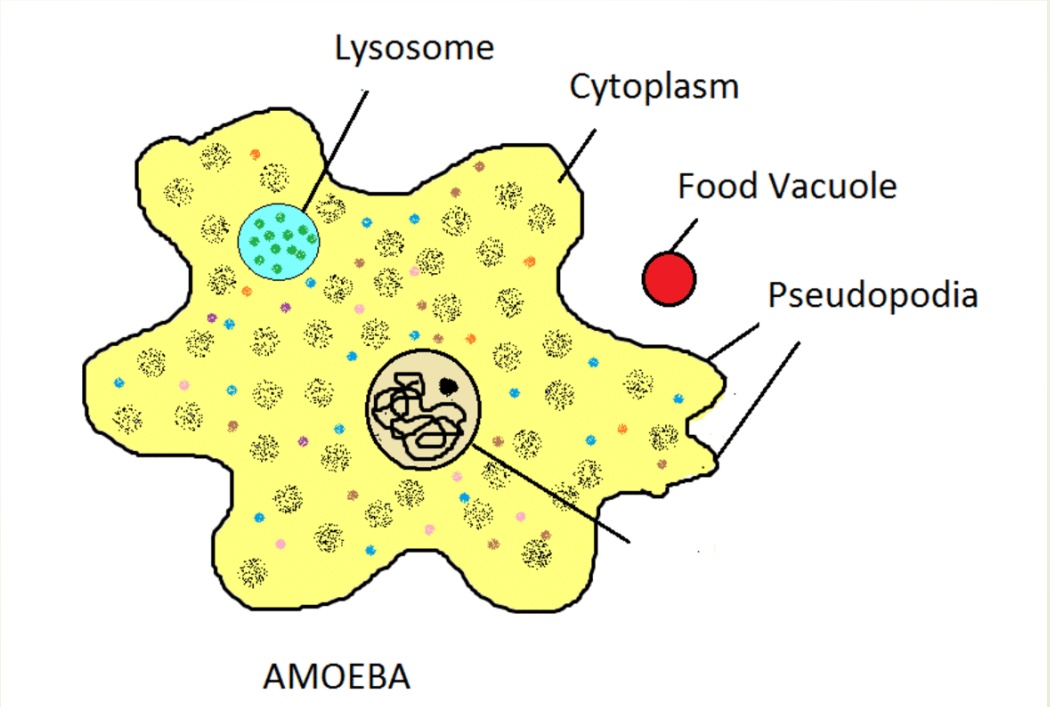
Exemplar eContent: Diagram



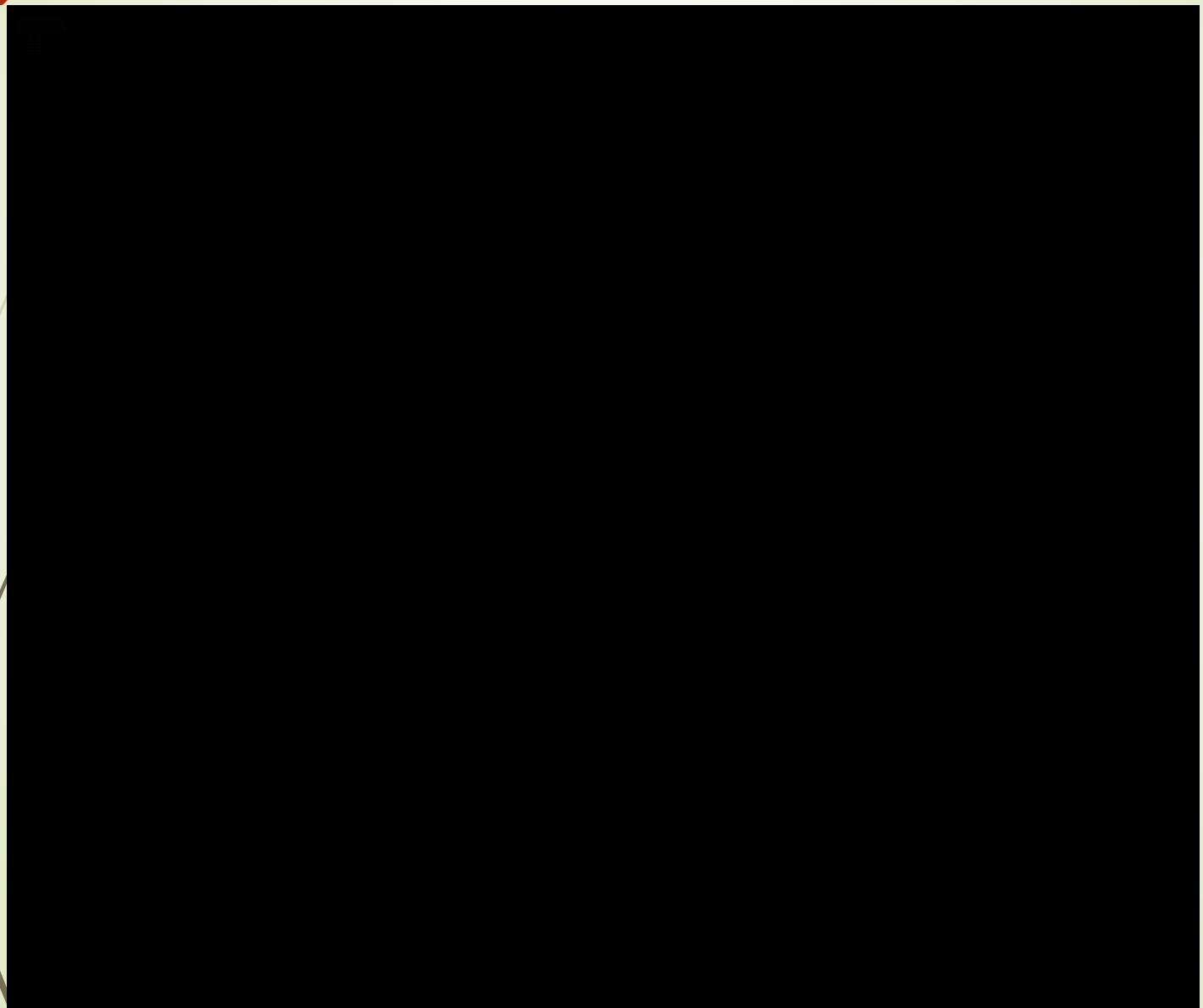
ExemplareContent:Cartoon

ExemplareContent:Comic strip

Exemplar eContent:Simulation



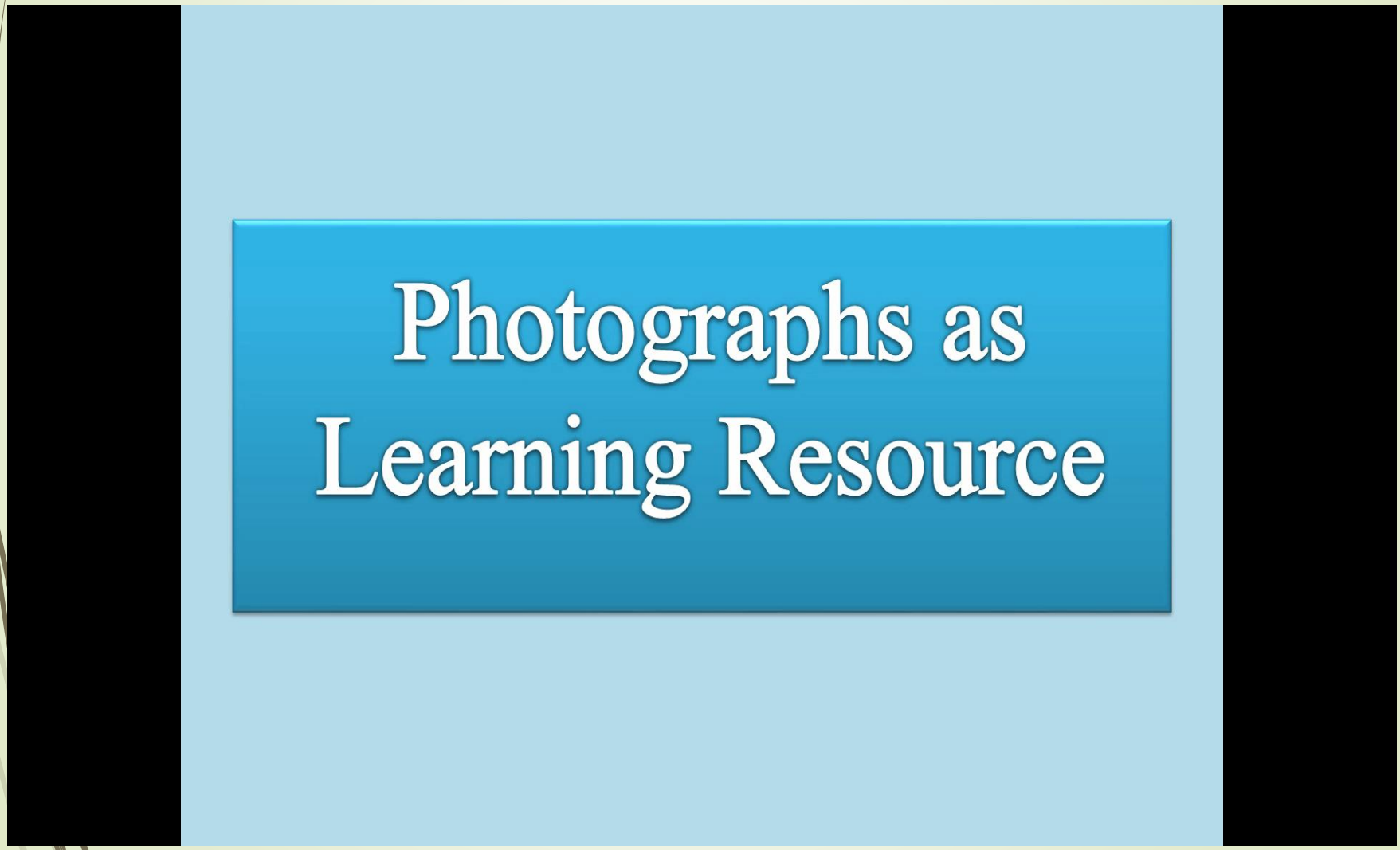
Exemplar eContent:Simulation



Exemplar eContent: Image

Exemplar eContent: Image

Exemplar eContent:Photographs



Exemplar eContent:Animation

Exemplar eContent: Interactive

https://itfdigitalgames.ncert.org.in

Use of Digital Content in a Classroom Plan

- Pre Lesson
- Mid Lesson
- Post Lesson

Parameters for E-Content Evaluation

- https://ciet.ncert.gov.in/storage/app/public/files/14/econtent-evaluation/ParametersforE-Content_Evaluation.pdf

- https://ciet.ncert.gov.in/storage/app/public/files/14/econtent-evaluation/E-ContentEvaluationTool.pdf

Thank You

indu.kumar@ciet.nic.in