

# Writing Content & ICT Literacy Objectives

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# Agenda


1. What are learning objectives and why are they important?
  2. How does Internet and Communication Technology Literacy development relate to this question?
  3. How can we articulate objectives that describe content learning and ICT literacy development?
  4. Examples
  5. Summary
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# Who do you teach?

K-12	College & University	Adult	Other





# What are learning objectives? *...and why are they important?*

Objectives are “explicit formulations of the ways in which students will be changed by the educative process.”

(Bloom, Engelhart, Furst, Hill, & Krathwohl, 1956)



# Three levels of objectives:

- **Global:** To provide broad, multi-year vision.
- **Educational:** To guide design for curriculum or units or instruction.
- **Instructional:** To focus plans for learning activities or experiences.





# How are they articulated?

An objective statement contains a **verb** and a **noun**.







- The ***verb*** describes the intended cognitive process.
- The ***noun*** describes the knowledge learners are expected to acquire or construct.

- **Task:** What must the learner perform?
  - **Condition:** How will it be performed?
  - **Standard:** How well must it be performed?
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# Dimensions of Learning

## Cognitive Process

-  **Remember**
-  **Understand**
-  **Apply**
-  **Analyze**
-  **Evaluate**
-  **Create**

## Knowledge

-  **Factual**
  -  **Conceptual**
  -  **Procedural**
  -  **Metacognitive**
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# What is ICT Literacy?

- “Using digital technology, communications tools, and/or networks to access, manage, integrate, evaluate and create information in order to function in a knowledge society.”




(ETS, 2001)



# 21c Learning Skills

Information & Communication	<ul style="list-style-type: none"><li>Information and media literacy</li><li>Communication skills</li></ul>
Thinking & Problem-Solving Skills	<ul style="list-style-type: none"><li>Critical thinking and systems thinking</li><li>Problem identification, formulation &amp; solution</li><li>Creativity and intellectual curiosity</li></ul>
Interpersonal & Self-Directional Skills	<ul style="list-style-type: none"><li>Collaboration</li><li>Self-direction</li><li>Accountability and adaptability</li><li>Social responsibility</li></ul>



What ICT Literacy skills  
do *you* hope to develop  
with your learners?



Let's construct  
some examples!





# Example: Starting Point

- The learner will be able to compare and contrast roles of artists in times of war.

## **Cognitive process:**

Comparing :“Detecting correspondences between two ideas or objects”

In the category of “understand:” Construct meaning from instructional messages

**Knowledge domain:** Conceptual knowledge




# Example: Our Revision



- The learner will be able to compare and contrast roles of artists in times of war.



# Summary Questions

- What will you do differently when planning curricula, courses or learning activities?
  - What tools or materials would help you to create ICT/21c skills-oriented learning objectives, classes or activities, and assessments?
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# Next Steps

Come join the discussion  
in the ICT Literacy  
community!

