

# UNIT 5 : The Teaching-Learning Resources & ICT



## Unit Objectives

At the end of the unit, the students must have:

1. identified LRMs that can be effectively used in flexible teaching-learning modality;
2. displayed skills in the evaluation, selection, & development of a variety learning resources to address learning goals; and
3. familiarized with the different online platforms used by the school (ex. Moodle, Google Classroom, Schoology, Seesaw, MOOCs, etc.)



## Topics

Digital and Non-digital Resources

Fundamental Digital skills of the 21st century teachers

Evaluation of ICT resources

Online Platforms used in Schools



## Learning Essentials

### **UNESCO ICT Competency Framework for Teachers Version3**

This highlight what teachers should know and is clustered in 6 aspects.

1. Understanding ICT in Education
2. Curriculum and Assessment
3. Pedagogy
4. Application of Digital Skills
5. Organization and Administration
6. Teacher Professional Learning

Please visit the link

[https://www.open.edu/openlearncreate/pluginfile.php/306820/mod\\_resource/content/2/UNESCO%20ICT%20Competency%20Framework%20V3.pdf](https://www.open.edu/openlearncreate/pluginfile.php/306820/mod_resource/content/2/UNESCO%20ICT%20Competency%20Framework%20V3.pdf)

Digital and Non-digital Resources

Learning resources are those devices and procedures that help teaching and learning more inte

resting, more stimulating and more reinforcing and more effective.

This can be in two forms Digital or Non-Digital/Traditional

Learning/Conventional Resources. Non-traditional /non-digital Learning

resources consists of the usual things that we use such as textbooks and

personal notes. Digital learning media included apps, lecture slides, exam

questions, internet search, podcasts, e-books and e-learning cases. Digital

learning in education is more interactive than conventional methods. They help

students comprehend the concepts in an effective and easier way. Online

content offers better context, appealing activities, and a larger sense of

perspective.

## **Fundamental Digital skills of the 21st century teachers**

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## Fundamental Digital Skills for 21st Century Teachers



### Record and edit audio clips

- 1- Soundcloud.com
- 2- Audioboom.com
- 3- Vocaroo.com
- 4- Clyp.it



### Create interactive video content

- 1- Youtube Video Editor
- 2- Wevideo.com
- 3- Magisgto.com
- 4- Animoto.com



### Create infographics and posters

- 1- Piktochart.com
- 2- Canva.com
- 3- Drawings.google.com
- 4- Thinglink.com

### Create PLNs, connect, discover new content, and grow professionally

- 1- Twitter.com
- 2- Facebook.com
- 3- Plus.google.com
- 4- LinkedIn.com



### Use blogs and wikis to create participatory spaces for students

- 1- Blogger.com
- 2- Wordpress.com
- 3- Edublogs.org
- 4- wikispaces.com



### Create engaging presentations

- 1- Docs.google.com/presentation
- 2- Haikudeck.com
- 3- Zoho.com/docs/show.html
- 4- Prezi.com

### Create digital portfolios

- 1- Web.seesaw.me
- 2- Silk.co
- 3- Sites.google.com
- 4- Weebly.com



### Curate, organize and share digital resources

- 1- Diigo.com
- 2- Scoop.it
- 3- Educlipper.net
- 4- Edshelf.com



### Create digital quizzes

- 1- Flipquiz.me
- 2- Riddle.com
- 3- Quizalize.com
- 4- Testmoz.com



## **Evaluation of ICT resources**

As a future teacher, one of the skills that will be most useful is the ability not only to search for information but to make decisions as to which ICT resources will you use and which one will you put aside. ICT Resources are tools to develop one to be more effective future strategies, which coordinate the introduction of computers with national education policies and programs related to changes in curriculum, teaching methods, assessment and teacher training.

Here is the set of criteria which you can use to evaluate resources:

- 1. Accuracy.** The resource material comes from a reliable source and is accurate, free from error and up to date.
- 2. Appropriateness.** The resource is grade/level- appropriate. The content matches what is needed by the teacher.
- 3. Clarity.** The resource clearly addresses the instructional goals in mind.
- 4. Completeness.** The content is complete. It has all the information needed to be able to use them.
- 5. Motivation.** The resource is engaging and rewarding to learners. It will encourage the active participation of the learners.
- 6. Organization.** The resource is logically sequenced. It clearly

indicates which steps should be taken. The procedures or process flow smoothly.

### **Online Platforms used in Schools**

Many of these classes are free and others are affordable, and they all accomplish the goal of giving kids access to online learning for kids. Here are some. You can check them out and other platforms too.

1. Khan Academy
2. SeeSaw
3. Google Classrooms
4. Canvas
5. Schoology
6. Bloomz



## **#1 Activity: Learning Resource Center**

1. Visit a school's learning Resource Center. Look around and see what resources facilities are available inside.
2. Ask the Learning resource Center in charge about how some equipment or facilities are used.

Read the statements carefully before you observe.

1. Go around the Learning Resource Center (LRC).
  2. Find out what learning resources are present
  3. Examine and describe how the materials are arranged and how are they classified. Are they free from dust and moisture? Are they arranged for easy access?
  4. Read the guidelines/procedures from borrowing of materials. Are these guidelines/procedures posted and available for the users to refer to?
  5. Familiarize yourself with the guidelines and procedures. Take photos of center (if allowed)
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Resource Teacher: Jean Ritzel Sulpico Signature:  School: WVSU-ILS

Grade level: 1 Subject Area: Math Date: October 20, 2025

#### LIST OF AVAILABLE LEARNING RESOURCES

AVAILABLE LEARNING RESOURCES (in bullet form)	CHARACTERISTICS AND UNIQUE CAPABILITIES	TEACHING APPROACHES WHERE RESOURCE IS MOST USEFUL
1. Print Resources	Storybooks and Books	Best for developing literacy and this is where



		they study their lessons.
2. Audio Resources	Bluetooth speaker	Useful for music/movement activities
3. Non-electronic Visual Resources	N/A	N/A
4. ICT Resources	Laptops and TV	Great for assessments and watching videos
Impressions about LRC The classroom should be organized and it should add some non-electronic visual resources.		

## #2 Activity: Exploring 4.0

Resource Teacher: Jean Ritzel Sulpico Signature:  School: WVSU-ILS

Grade level: 1 Subject Area: Math Date: October 20, 2025

1. Observe a class
2. Take note of the topic presented.
3. Read the questions before you observe.

## CLASS OBSERVATION GUIDE

1. What is the lesson about? What are the teachers' objectives? Note the important concepts that the teacher is emphasizing.

Usually the adviser just use the TV and speaker before the class starts and in the middle of the class. They just use it for energizer to take away the boredom of the learners.

2. Note the skills that the teacher is developing in the learners.

It familiarize learners with classroom technology as a normal part of their learning environment.



## #1 Activity: Learning Resource Center

1. Are the learning resources/materials arranged properly according to their functions and characteristics? Describe.

Yes, resources are typically classified into digital and non-digital. In a well organized classroom, these are placed where they can be used effectively without causing distraction.

2. Do the guidelines facilitate easy access to the materials by the teachers? Why? Or Why not?

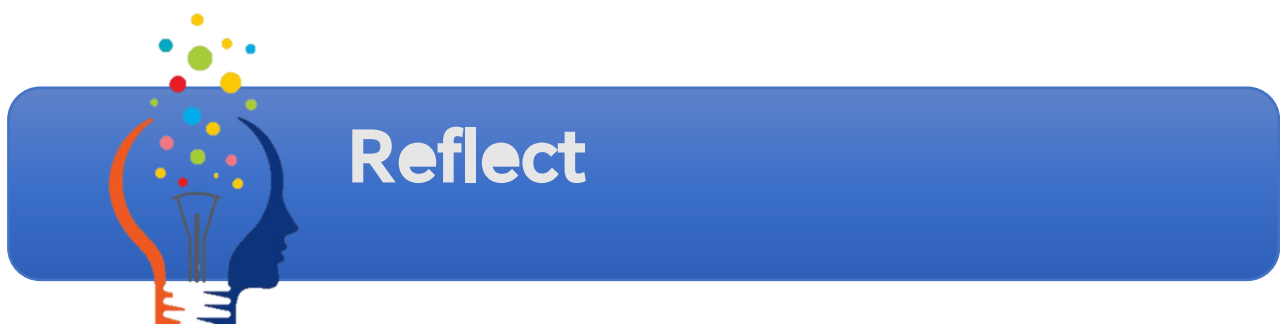
Yes, clear procedures allow the teacher to transition quickly to an energizer. Having the TV and speakers ready for use indicates a logical organization that supports smooth lesson flow.

3. What are the strengths and weaknesses of the LRC?

It's strengths is using it to makes the learning environment more interesting and reinforcing. While it's weaknesses is it is only used for energizers, and there is a missed opportunity to use them for direct instruction.

4. What suggestions can you make?

Integrating the digital resources into the core curriculum to move beyond just taking away boredom and toward meeting specific learning goals.



## #1 Activity Reflection

1. Which of the materials in the LRC caught your interest the most? Why?

The TV and Bluetooth speaker caught my interest because of their power to immediately shift the classroom energy and Motivate young learners.

2. Which gadgets/materials are you already confident to use/operate? Which ones do you feel you need to learn more about?

I am confident in using basic classroom hardware, but I need to learn more about creating interactive video content to be more effective 21st century teacher.

3. Describe your experience in surfing the internet for appropriate electronic resources fir the class? What made it easy? Difficult?

Searching for resources involves navigating through various digital learning media like apps, lecture slides, and e-learning cases to find content that makes lessons more stimulating and reinforcing. It requires a critical eye to ensure the media is more interactive than conventional methods. The availability of it makes it super easy.

4. How did you choose which electronic resources to include here? What did you consider? Explain.

I chose them based on Appropriateness for Grade 1 and motivation. I considered how digital content offers a larger sense of perspective and appeals to children's natural curiosity.

5. Reflect on your technology skills. What skills do you already have, and what skills would you like to continue to work on to be better at utilizing education 4.0 resources?

I have basic digital skills, but I want to work on curating and organizing digital resources so that I can select the most accurate and effective tools for my future learners.



**These must be included in the portfolio:**

**Observations**

**Activity Sheets**

**Reflections**