



Activity Guides

Understanding Basic Concepts in ICT

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Technology for Teaching and Learning 1

Duration: 45 minutes | LO Codes: TTL 1-1, TTL 1-4



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Note to the Teacher

Hi Teacher! The following activities have been designed to introduce ICT and EdTech as concepts in the classroom. The ICT standards for pre-service teachers will also be introduced. At the end of the activity, your students will be able to describe an ICT competent teacher and set goals to become that teacher.

Learning Outcomes

By the end of this session, learners will:

TTL 1-1: Explain ICT policies and safety issues as they impact the teaching-learning process.

TTL 1-4: Identify learning theories and principles applied in the design and development of lessons through appropriate media and technologies in teaching and learning.

Overall Learning Journey



Approx. 45 mins (Class)

Inquire	Acquire	Make	Aquire	Make
Defining ICT and EdTech	Clarifying ICT Concepts	What is an ICT Competent Teacher?	ICT Competency Standards for Pre-Service Teachers	Goal-Setting

Detailed Learning Journey

Defining ICT and EdTech (Inquire / Collaborate) | Homework

- Students will do their research to achieve a better understanding of ICT and its role in education. You may share the following guide questions to guide their research but you may also add other:
 - What is ICT?
 - What is the role of ICT in education?
 - What are the learning theories and principles that support the use of ICT in education?
 - How are these learning theories and principles applied in EdTech?
 - How are teachers currently using ICT for teaching and learning?
 - What are issues faced by students and teachers with regards to ICT and EdTech?
 - Is there a need for all teachers to integrate ICT in education?
- The students' answers to these questions can be compiled on a class Padlet, or they can also leave their responses as answers to a discussion forum in the learning management system being used by the class.

Clarifying ICT Concepts (Acquire) | 10 mins

- Students will listen to a short lecture to align everyone's understanding of ICT and EdTech. You may refer to the following discussion points from Bilabao's book on *Technology for Teaching and Learning 1* but you may also add your own:
 - ICT is the use of digital technology, communication tools, and/or networks to access, manage, integrate, evaluate, create and communicate information to function in a knowledge society.
 - Educational Technology refers to the use of technology in teaching and learning. It includes both digital and non-digital tools.

What is an ICT Competent Teacher? (Inquire / Discuss) | 15 mins

- After the lecture, students will do a quick reflection activity on what an ICT-competent teacher looks like. They will visualize their ideas by making a sketch. You may guide their reflection by asking the following guide questions:
 - What does an ICT-competent teacher *know*?
 - What does an ICT-competent teacher *do*?
 - What does an ICT-competent teacher *feel*?
- After individual reflection, they will do a 10-minute pair-share activity where they discuss their sketch with a classmate. You may ask them to contribute their top 3 qualities of an ICT-competent teacher in an online word cloud generator like Mentimeter.

ICT Competency Standards for Pre-Service Teachers (Acquire) | 15 mins

- Students will listen to a short lecture that synthesizes their reflections and introduces the ICT Competency Standards for Pre-Service Teachers.

Goal-Setting (Make) | 5 mins

- After the lecture, students will identify actionable steps that they can take to become ICT-competent teachers.

Digital Tayo Modules

The Digital Tayo modules are a great supplement to this activity. Here are some lessons that we recommend that can support your students in their journey to becoming ICT-competent teachers, but feel free to look through the Digital Tayo website to select particular lessons that you want to use.

Digital Engagement Module

Topic	Lesson	Description
ICT Policies and Issues	Lesson 1: Respect and Boundaries	Students will better understand others' perspectives and feelings on sharing personal information online.
	Lesson 2: Healthy Online Relationships	Students will identify qualities that constitute healthy and kind relationships, and how online behavior plays a role in both healthy and unhealthy relationships.
	Lesson 3: What is Verification?	Students will learn what information verification is, and learn about the responsibilities that news organizations, audience members, and social

media companies have in promoting a safe, truthful, and ethical media landscape.

Goal-Setting [Lesson 6: Best Possible Self](#) Students will imagine and write about their lives 10-20 years from now. This can be a way to support the activities on identifying the ICT-competent teacher and goal-setting

Suggested Resources

These resources are online courses, articles, videos, and toolkits that you can share with your students to guide them in the process of identifying real word problems and challenges.

Topic	Resources
Definition of ICT and its role in education	The Role of ICT in Education
	UNESCO ICT Competency Framework for Teachers
	Global Framework of Professional Teaching Standards
	ICT Competency Standards for Pre-Service Teacher Education
Real Stories of ICT in Action: Reflections from EdTech Students and In-Service Teachers During the COVID-19 Pandemic	The Kahimtang Series: Filipino Students Amidst Online Distance Learning
	Motivations of a Student
	Real EdTech Stories in the Rural Areas of the Philippines
	Online Distance Learning: The Teacher Experience
