



HANDONG
UNITWIN
FELLOWSHIP



School of
Education

Lecture 2

Spring 2024

C-EDUC2: Technology for Teaching and Learning 1

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Lecture 2



Image 1: The Importance of Technology in Philippine Education
(Source: ChildHope Philippines, 2021: Online)

ICT Policies and Issues in Education



Safe Technology

**How do we know whether or not
technology is dependable in
enhancing teaching and learning?**

Looking back at LECTURE 1



Image 2: Tackling Math with Technology in the Philippines (Source: Cirillo, 2014: Online)

Technology opens up new ways to be creative, get students involved, and give them power. What makes it important is that it can customize learning, encourage teamwork, and teach critical digital skills needed to succeed in the 21st century.



Lecture Objectives

- 1. To discuss some ICT policies and explain their implications for teaching and learning;**
- 2. To explain some issues that relate to ICT policies; and,**
- 3. To identify safety concerns on the Internet, including digital safety rules.**

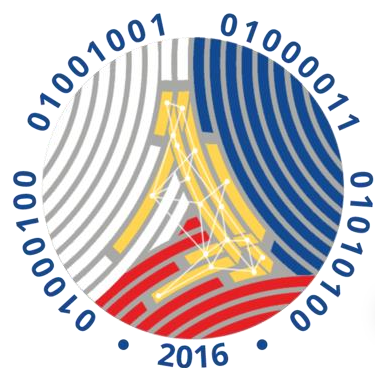


Topic 1

ICT Policies in Education

1. ICT Policies in Education

Strong and relevant
ICT implementation
framework



Stable ICT-integrated
basic education
curriculum



A Digital Nation Toward a Better Philippines

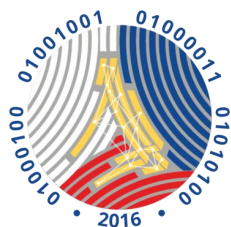


Image 3: DICT Ph (Source: dict.gov.ph, 2024: Online)

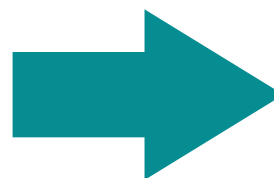
Image 4: DepEd Matatag (Source: deped.gov.ph, 2024: Online)

Image 5: DICT launches Bayang Digital ang Bagong Pilipinas: DICT Regional Roadshow 2024 (Source: dict.gov.ph, 2024: Online)

1. ICT Policies in Education



DICT
DEPARTMENT OF INFORMATION AND
COMMUNICATIONS TECHNOLOGY

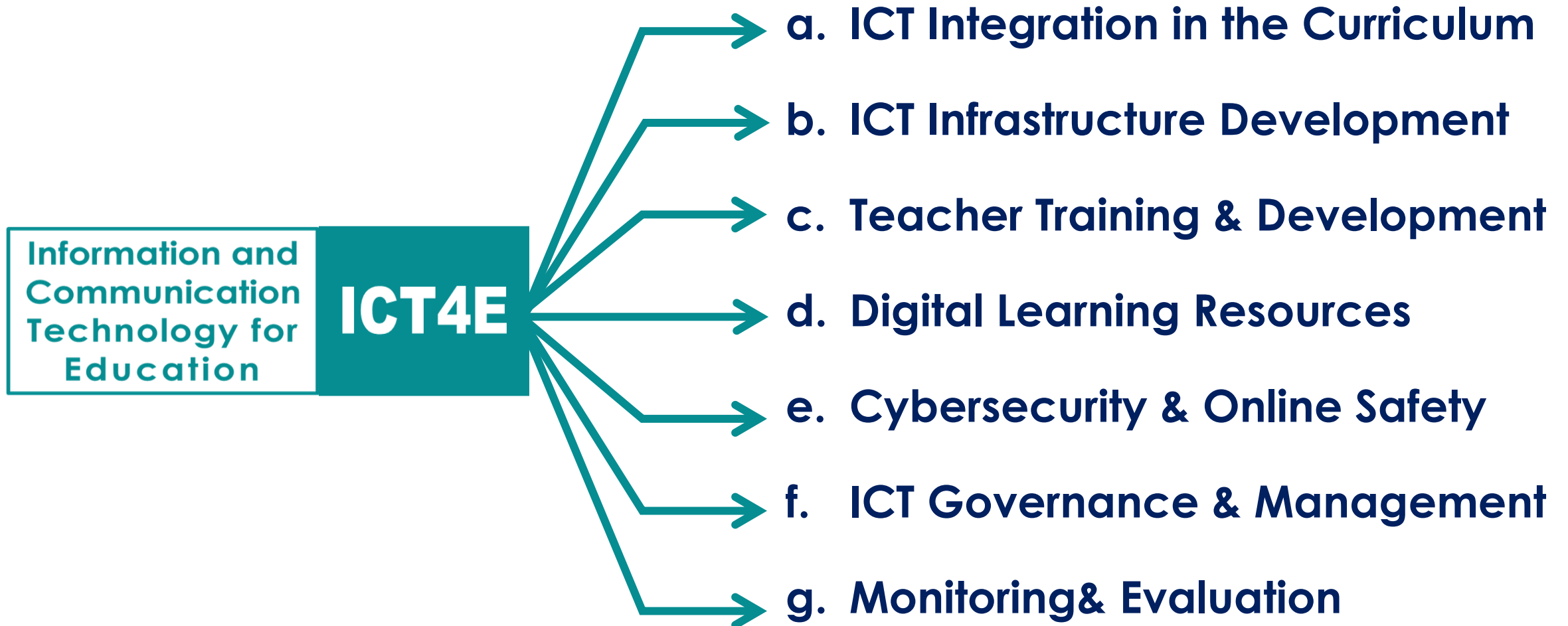


**Information and
Communication
Technology for
Education**

ICT4E

**Roadmap guiding Philippine
schools in digitalizing teaching
and learning**

1. ICT Policies in Education





1. ICT Policies in Education

a. ICT Integration in the Curriculum

Cognizant of the TPaCK

Technology-assisted learning tasks

Experiential learning using digital tools



1. ICT Policies in Education

b. ICT Infrastructure Development

Computer access

Internet connectivity

Software and online apps licenses

Office for technical assistance for all



1. ICT Policies in Education

c. Teacher Training & Development

Entry tech-skills

Continuous faculty updating on ICT

Training on pedagogical ICT-integration



1. ICT Policies in Education

d. Digital Learning Resources

Learning enhancement through:

**E-books, Multimedia, Online Courses,
Software Applications, Other Digital Tools**

Non-conventional teaching-learning materials



1. ICT Policies in Education

e. Cybersecurity & Online Safety

Safeguarding measures

House rules on utilization of digital tools

Integration of responsible netizenship into the
curriculum



1. ICT Policies in Education

f. ICT Governance & Management

Defining the roles of the stakeholders:

**Administration, Personnel, Teachers, Learners,
Parents and Gurdians**



1. ICT Policies in Education

g. Monitoring & Evaluation

Feedback mechanism

Research-based policy updates

Constant surveillance and evaluation



Topic 2

Issues Relating to ICT Policies

2. Issues Relating to the ICT Policies

May I go O.U.T.?



Image 6: UNESCO: Philippines still lacking in computers for students' learning (Source: Servallos, 2023: Online)

2. Issues Relating to the ICT Policies

Optimal Use of Technology

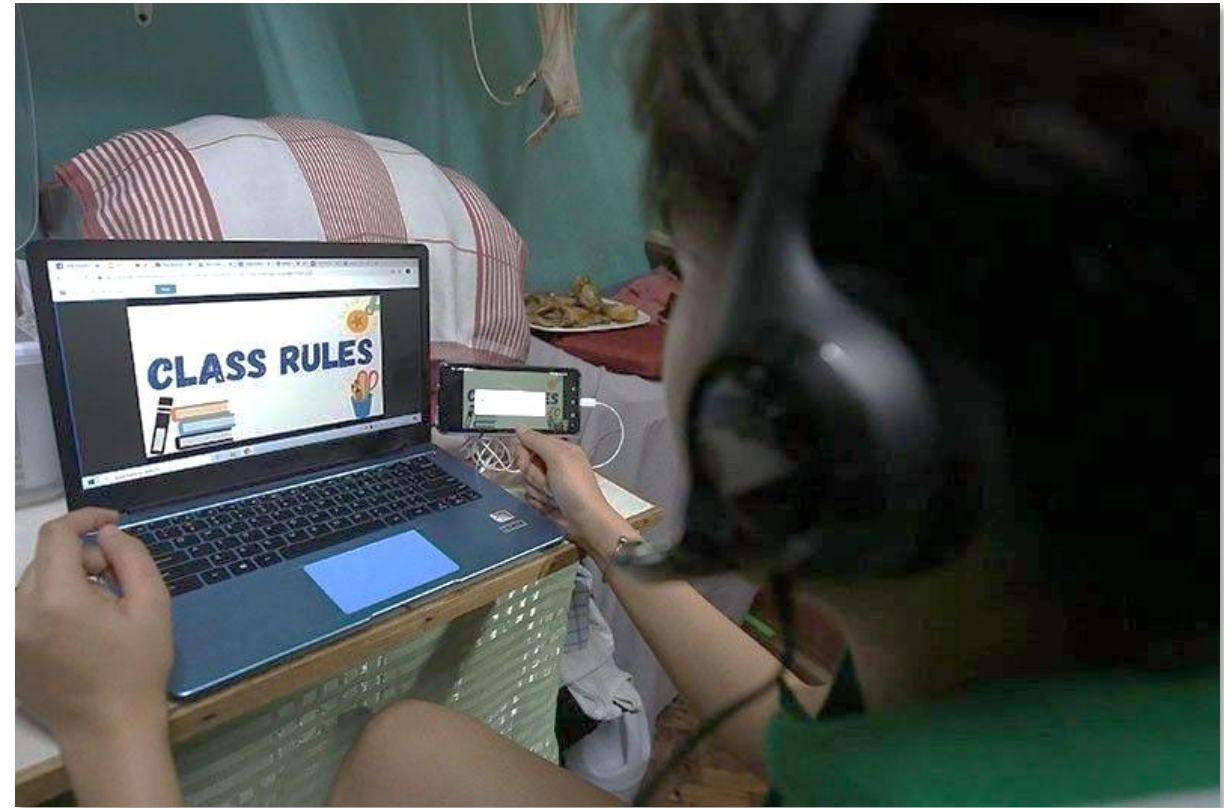


Image 6: UNESCO: Philippines still lacking in computers for students' learning (Source: Servallos, 2023: Online)



2. Issues Relating to the ICT Policies

**Issue No. 1:
Freedom of Expression
and Censorship**

**Issue No. 2:
Privacy and Security**

**Issue No. 3:
Surveillance and Data
Retention**

**Issue No. 4:
E-pollutants
from E-wastes**



2. Issues Relating to the ICT Policies

Issue No. 1: Freedom of Expression and Censorship

- ❖ **Freedom entails responsibility**
- ❖ **Sharing constructive thoughts**
- ❖ **Democratic norms in sharing ideas and expressing opinions**



2. Issues Relating to the ICT Policies

Issue No. 2: Privacy and Security

- ❖ **Careful on data breaches and exploitation**
- ❖ **Filtering information before sharing them**
- ❖ **Installing data protection regulations**



2. Issues Relating to the ICT Policies

Issue No. 3: Surveillance and Data Retention

- ❖ **Maximizing the learning management system**
- ❖ **Making learners aware of what are monitored and what are not**
- ❖ **Securing informed consent for data solicitation**



2. Issues Relating to the ICT Policies

Issue No. 4: E-pollutants from E-wastes

- ❖ **Proper hardware disposal**
- ❖ **Making people aware of the hazards of e-wastes**
- ❖ **Finding ways to recycle**

2. Issues Relating to the ICT Policies

Implications...

To the Teacher and the Teaching Process

- Guidance and pedagogical training
- Not allowing ICT to replace teachers

To the Learner and the Learning Process

- Content control
- Proper digital engagement
- Privacy and data security



Topic 3

Keeping Safe in using ICT for Teaching and Learning

3. Keeping Safe in using ICT for Teaching and Learning

**When is it safe to say that
ICT is safe to use?**



**TEACHERS
BEWARE**

3. Keeping Safe in using ICT for Teaching and Learning



3. Keeping Safe in using ICT for Teaching and Learning

Cyberbullying

- Harassment and threats
- Exclusion and social manipulation
- Public shaming and humiliation
- Cyberstalking



3. Keeping Safe in using ICT for Teaching and Learning

Harmful Content

- Violent and graphic material
- Pornography and malicious information
- Hate speech and discriminatory content
- Self-harm and suicide promotion



3. Keeping Safe in using ICT for Teaching and Learning

Online Predation

- Child grooming
- Sexual exploitation and trafficking
- Financial scams and fraud
- Catfishing



3. Keeping Safe in using ICT for Teaching and Learning

Identity Theft & Fraud

- Phishing and access information theft
- Hacking and account takeover
- Card skimming
- Identity Cloning
- Fake charities and scams



3. Keeping Safe in using ICT for Teaching and Learning

Digital Footprint and Privacy

- Data breaches and hacking
- Online tracking and profiling
- Social media oversharing
- Inadequate privacy settings





3. Keeping Safe in using ICT for Teaching and Learning

5 Helpful tips for teachers:

1. Online Safety Education
2. Safeguard Privacy Settings
3. Secure Communication Channels
4. Monitor Learners' Online Activities
5. Foster Analytical Thinking and Media Literacy



3. Keeping Safe in using ICT for Teaching and Learning

5 Helpful tips for learners:

1. Personal Privacy Matters Most
2. Make Your Passwords Robust
3. Think Before You Click
4. Responsible Social Media Use
5. Get Help



Lecture 2: CONCLUSIONS

Optimizing teaching and learning requires understanding ICT policies and concerns. Access, privacy, security, and digital literacy must be balanced to maximize technology's transformational power. Collaboration and informed tactics may help educators develop inclusive, innovative, and safe learning environments that prepare students for digital success.



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