




# The Global Impact of the Proliferation of ICT: A Multi-National Study

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# **Proliferation of Information and Communications Technology (ICT)**

A 3D map of the world is shown in a light gray color, with the continents clearly defined. In the background, the letters 'WWW' are rendered in a large, white, 3D font, suggesting a focus on the internet and digital technology. The overall scene is set against a light gray background.

- Profound changes**
- Instant global communication**
- High-speed information access and retrieval**

# Rapid Transformation of the Educational System



**Change**

Practitioners and researchers are facing change at a remarkable pace.

**Impacts**

The impacts of the technological explosion have affected every aspect of the profession.

**Transformation**

Global professional education community has experienced change in monumental proportions.

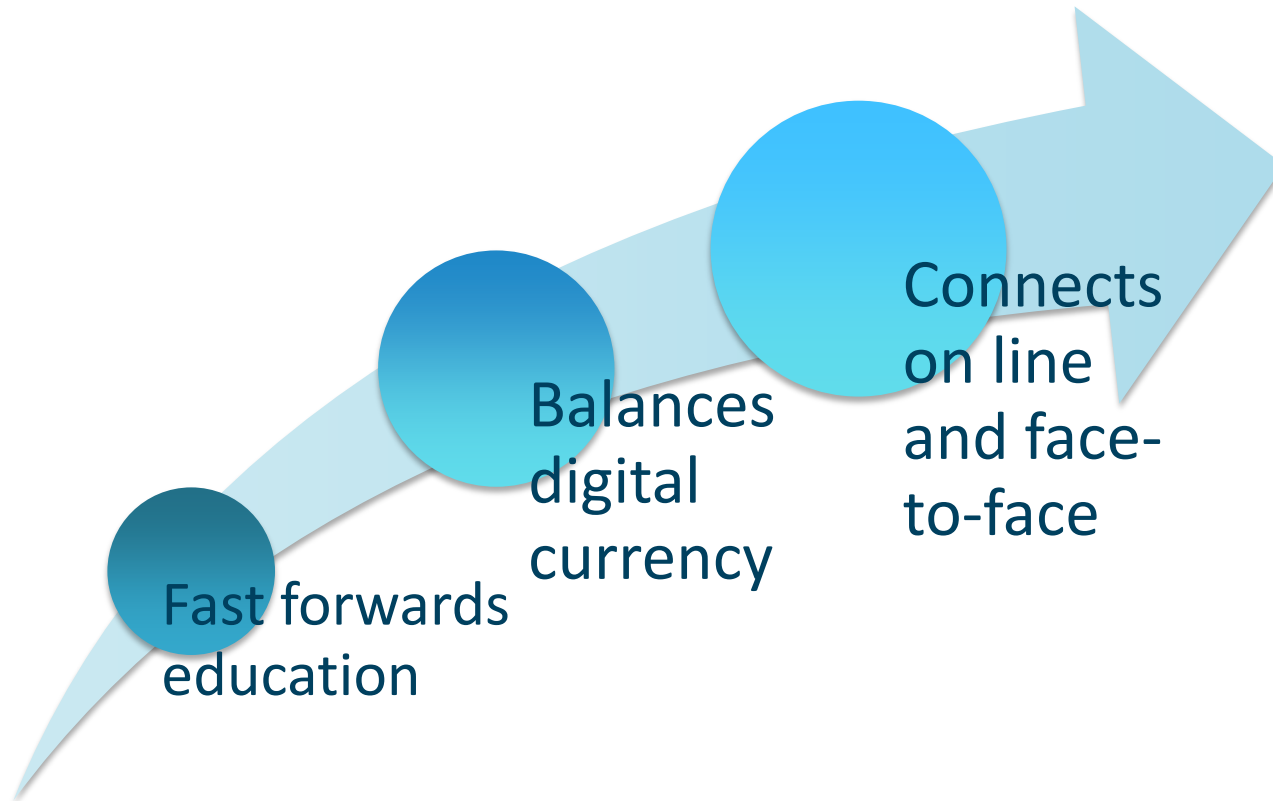
# INNOVATIVE ICT CURRICULUM



Numerous Dimensions

# Demand for Blended Learning

## Across the Curriculum



# Content Area Instruction (i.e. STEM)

Incorporates a variety of platforms

Sets stage for successful language acquisition

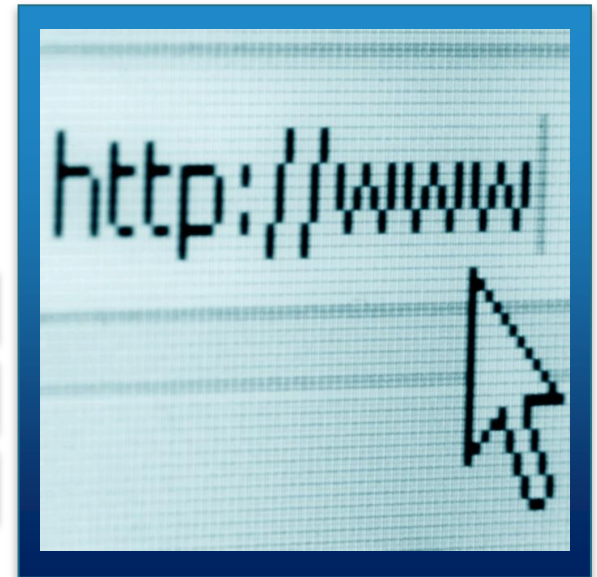
- **Creativity + Cognitive Function**
- **Alleviates Affective Filters**



- **Cultural Diversity**
- **Equitable Learning Field**

# Making ICT an effective teaching tool

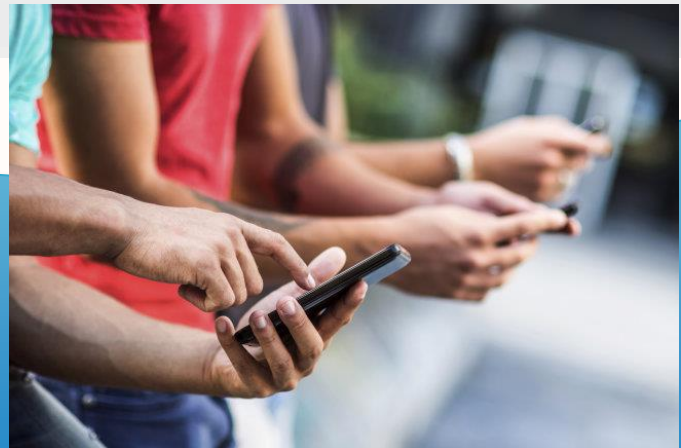
- 1 Innovative learning environments
- 2 Connected, flexible, collaborative
- 3 Effective monitoring should be employed
- 4 ICT resources can be reviewed and planned
- 5 Seek feedback
- 6 Selection and synthesis of materials



# Technology outside the classroom

## Smart phones, tablets, desktop computers

- **Have leveled the playing field**
- **Free/ public software applications are available to most students**





# Sustainable Strategies

## Strong commitment



Structured  
dialogue

Dialogic  
thinking

Computer-  
mediated  
dialogue

Solving  
problems/  
developing  
new ideas

# QUESTIONS--Impact of ICT on Educational Activities Globally

## Questions

Generating new knowledge

## Preliminary Research

Comprehending and using ICT

Subsequent expansive international, empirical research

# THE QUESTIONS

## Question 1



Has new ICT been employed in the classroom settings of your country?



# THE QUESTIONS

## Question 2



Are ICT tools employed universally in your country's classrooms?

Elementary?

Secondary?

Post-secondary?



# THE QUESTIONS

## Question 3



How has your country's curricula adapted to the technologies that students have already mastered outside the classroom?

# THE QUESTIONS

## Question 4



Has online educational support/instruction become available in your country?

If so, how much is available, and in which curricular areas?

# THE QUESTIONS

## Question 5



Has blended learning particularly in STEM content areas been emphasized?

# THE QUESTIONS

## Question 6

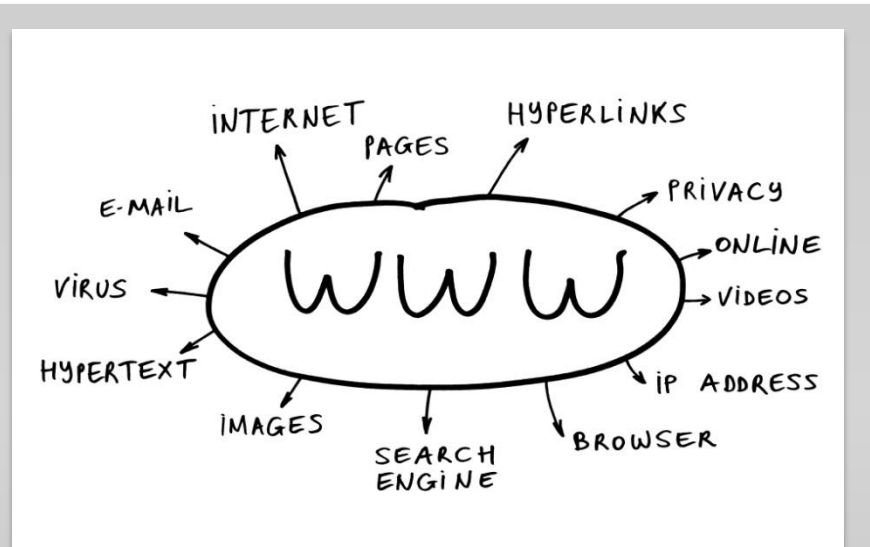


Has the high percentage of English language content on the internet impacted ICT usage in your country's classrooms?

If so, how has it impacted language learning, particularly English Language Learning?



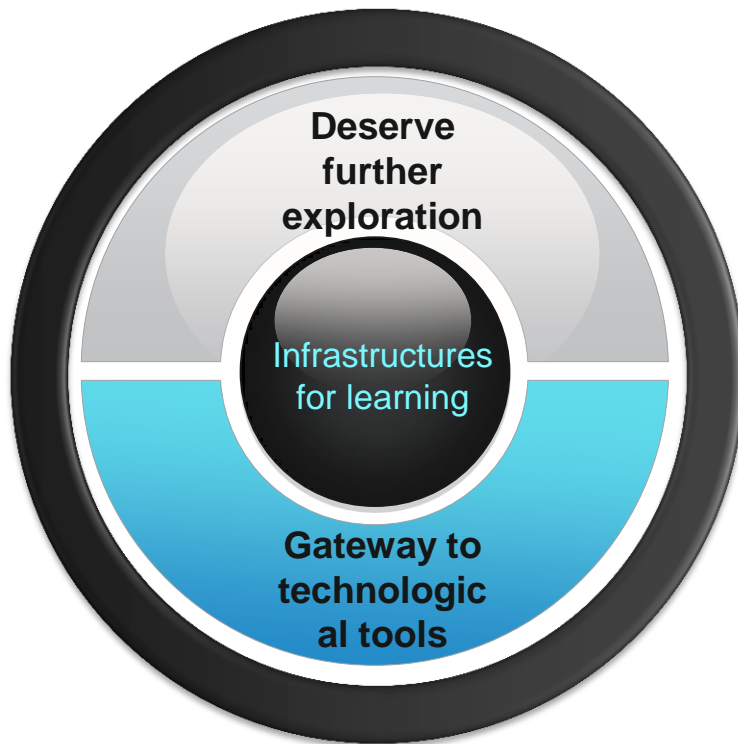
# Technologies utilized in a constructive manner



This enables students to take ownership of their education.

# Dialogue

## Preliminary Study Raises Many Questions

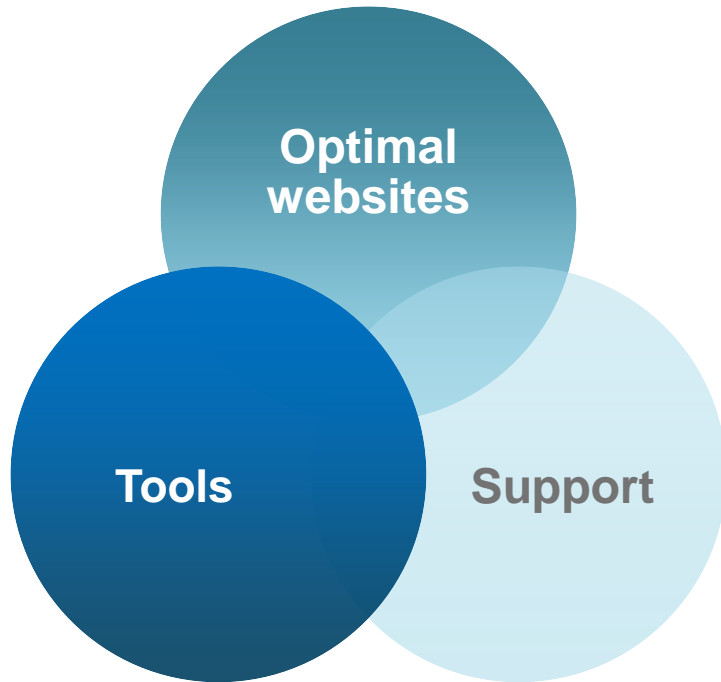


### Changes Required

Teachers were subject experts

Must now be content facilitators

# Responsibilities of Educators



- Point students in the right direction
- Up to date information
- Strategic learning opportunities and future thinking
- Strategic foresight problem-solving

Consider how an  
“educated person”  
looks today

How will that change in the future?

- Those who are disadvantaged fall farther behind
- Connectivity and internet access is limited

# Implementation of ICT



# Encouraging the use of ICT

1

Personal policies may be modified

2

Textbooks can be sourced

3

Online modules

4

Assessment exercises

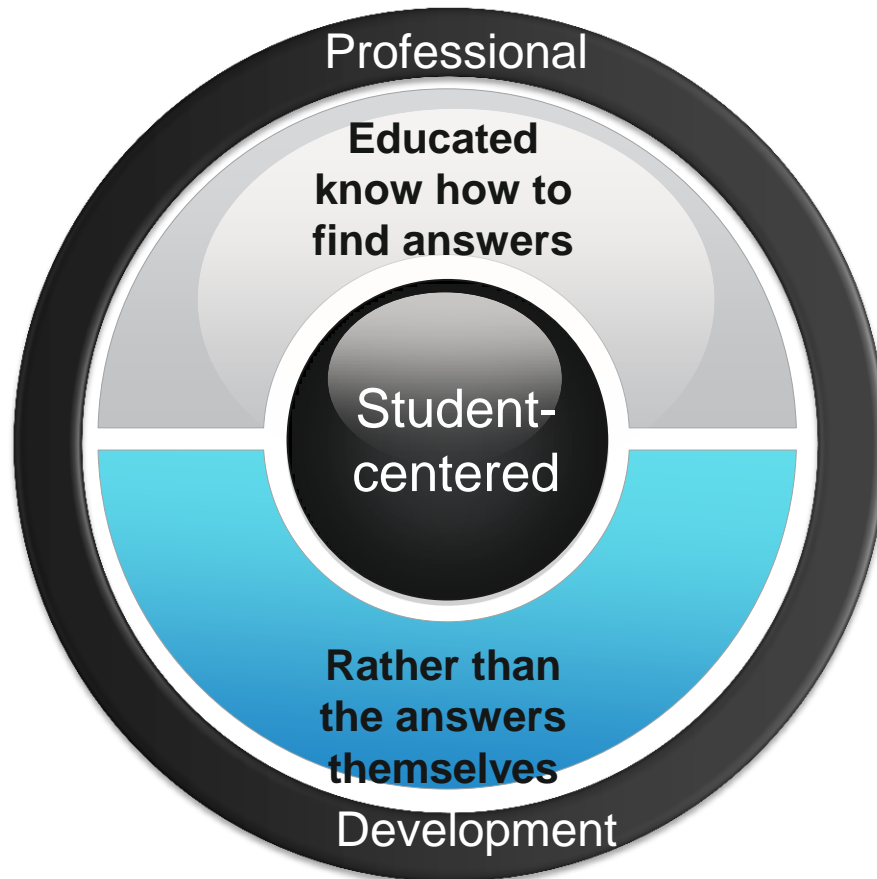
5

Highlight free or low-cost software



# Dialogue

Information is less costly in modern times



# Educational Paradigm

Not about content mastery but about  
problem solving?



What does an “educated person” look like today? How will that picture change in the future, given the ICT impacts which have occurred and will continue to occur?



# Further discussion is required:

**1** This preliminary study is only the beginning of. . .

**2** Examination of ICT

**3** Its powerful impact

**4** Rapid transformation of learning



# THANK YOU

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