

# Principles of Technology Use in Educational Settings

**Mr. Tariq Saleem Ghayyur**  
**Lecturer**  
**Department of Education, SU**



# Principles of Technology Use in Educational Settings

```
graph TD; A[Principles of Technology Use in Educational Settings] --> B[Know Your Students]; A --> C[Choosing Materials]; A --> D[Students Working With Technology]; A --> E[Language Use]; A --> F[Challenges Of Technology Use In Classrooms];
```

**Know  
Your  
Students**

**Choosing  
Materials**

**Students  
Working  
With  
Technology**

**Language  
Use**

**Challenges  
Of  
Technology  
Use In  
Classrooms**

## A) Know Your Students:

It is important to understand the students and what technology they use and are familiar with. Teachers can use surveys and assessments types to gauge the students on their understanding. Technology and the English language can't be taught at the same time.





## C) Students Working With Technology:

Students working with technology is one of the biggest challenges of technology integration in the classroom. Technology enhanced classrooms have been found to promote discovery of learning, learner autonomy, and learner centeredness. The teacher can promote learner autonomy through the infusion of ITs and allow the students to work collaboratively in pairs or small groups.





## D) Language Use:

Research in language learning and IT use in classrooms settings have over the years clearly come out in favor of its beneficial effects on second language development. The use of technology allows students to communicate freely and helps native and non-native speakers to develop a better sense for the language.

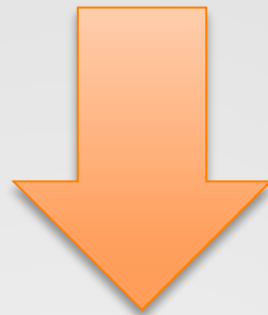


## **E) Challenges Of Technology Use In Classrooms:**

Classroom teachers are embracing the use of technology to enhance their classroom teaching more today than ever before. But in order to effectively use the technology in their classroom they must prepare themselves for some of the challenges they will face in accomplishing this goal.



Listed below are four of the major issues classroom teachers identify when they discuss the challenges of infusing technology into their teaching and some brief thoughts you as an aspiring educator might consider in order to prepare yourself to meet those challenges





**Availability of  
Technology  
Hardware**



**Availability of  
Technical  
Assistance**



**Software  
Applications**



**Time to  
Integrate  
Technology  
into Teaching**



Challenges of technology use in the classrooms are always going to be presents when working with technology. There are technical difficulties which might frustrate teachers. The most common problems are:

**\* The technical Difficulties (burnt-out bulb in projector to screen freeze in the middle of a presentation),**

**\*Broken links on research pages.**

**\*The server being down**



It is also important for the teachers to understand that they are no longer going to be the center of the classroom. The students are able to work independently with the teacher being there to monitor.



## **\*Educational technologies are advantageous in providing:**

- safe, controlled environments that eliminate risk to patients.
- enhanced, realistic visualization.
- authentic contexts for learning and assessment.
- documentation of learner behavior and outcomes.
- instruction tailored to individual or group needs.
- learner control of the educational experience.
- repetition and deliberate practice.
- uncoupling of instruction from place and time.
- standardization of instruction and assessment.

# Questions



\* Principles of Technology Use in Educational Settings:

- a)....**Know Your Students**.....
  - b)....**Choosing Materials**.....
  - c)....**Students Working With Technology**.....
  - d)....**Challenges Of Technology Use In Classrooms**.....
  - e)....**Language Use**.....
- 

\* What are the four major issues that classroom teachers identify when they discuss the challenges of infusing technology into their teaching ?

- |   |   |
|---|---|
| <b>Availability of Technology Hardware</b>  | <b>Time to Integrate Technology into Teaching</b> |
| <b>Availability of Technical Assistance</b> | <b>Software Applications</b>                      |



# True or False:

- 1) Students working with technology is one of the biggest challenges of technology integration in the classroom ( **T** )
- 2) The use of technology allows limited communication for students ( **F** )
- 3) In order to effectively use the technology in their classroom teachers must prepare themselves for some of the challenges they will face in accomplishing this goal ( **T** )
- 4) When choosing technological material, students interests aren't taken into consideration ( **F** )

**Thank You**