

LEARNING UNIT 5
INTEGRATED AND INNOVATIVE TEACHING AND LEARNING PRACTICES
ASSIGNMENT NUMBER 5

Read the passage below [adapted from Jain (2017)] **and answer the questions that follow:**

Advancement in technology today has changed the way people correspond in so many ways.

In an age determined to generate new paths to quality education, ICT brings forward countless benefits, enabling children with the right skills and outlook to stay ahead in the increasingly aggressive rat race. ICT, or information and communication technology, makes many ordinary tasks uncomplicated and facilitates communications from virtually any part of the globe. Today, the emergence of such modern education technologies has altered how students approach learning and education. The failing conventional methods of education have prompted the birth of new-age education models that provide and support innovative pedagogy.

Information and Communications Technology (ICT) in education has been linked with the upward shift in the quality of people's lives by improving teaching and learning. This is why a number of schools are increasingly integrating ICT in their primary school education system.

Through this unique teaching method, students gain a genuine learning experience, collaboratively constructing their own knowledge and applying their learning in a real-world context. The use of ICT techniques in learning/teaching has a very positive influence on a student's learning capabilities as well.

It is established that students reflect in a very positive manner towards work and education when they are using computers to complete tasks given to them, encouraging and motivating them to soak in the knowledge. Students who use technology to learn in school have an increased self-esteem and self-confidence. Here are ways how children/students can benefit from this methodology in the times to come:

- Many learners are studying in a language not their own, and many are studying on their own, situated far from education institutions. The barriers this technology breaks are both linguistic and geographic, as the information can be shared quickly and efficiently, in the cloud, thus providing them access to quality education anytime and anywhere.
- ICT methods are very effective in clarifying the core concepts of the subject matter; this has been proven to enhance the students' level of understanding and retention of knowledge.
- This method makes content more enjoyable through engaging narratives and high-quality animation, making the whole session more interactive. This improves the retention capacity of the students, brings in more focus, and makes the whole process enjoyable.
- The content can be tweaked to add value to the learning curve of the student depending on the ability of any particular student.

- Active and independent learning are the strong point of this method which inculcates self-responsibility and maturity for learning
- The spatial reasoning capacity of a student gets sharpened over a period of time, and the ability to solve complex geometric questions without relying on formulas gets a formidable boost.
- The child's progress can be mapped in the form of an electronic journal which will help teachers and students to identify learners' strong and weak points.

ICT based learning can play an important role in a student's scholastic development by addressing the youngster's subjective, social and enthusiastic advancement. Through refined and up to date systems, such as video conferencing, virtual reality and 3D animation, it can empower students and teachers to work together in ways that mirror a comprehensively constructive way of dealing with education and training. Also, it augments the student's, ability to learn rapidly, offering extraordinary opportunities to push learning past the boundaries of the classroom.

ANSWER THESE QUESTIONS

QUESTION ONE

- 1.1. **Identify** 4 ICT tools that can be used to break both learners' *linguistic* and *geographical* challenges. (4)
- 1.2 **Explain** how each tool breaks down these barriers. (8)

QUESTION TWO

2. **Identify** ICT tools that you are going to use to enhance learning of your learners by indicating the following:
- (a) The name(s) of the tool(s) you are going to use. (3)
- (b) The subject(s) and the topic(s) in which the tool(s) will be used. (6)
- (c) Three different ways **how** your chosen tool(s) will be used. (9)
- NB You can choose 1, 2 or 3 different tools

QUESTION THREE

3. What do you understand by cyberbullying? Illustrate with a practical example. (1)

QUESTION FOUR

4. How would you make learners' aware of cyber-bullying using an ICT tool? Your awareness project should include:
- (a) **Four types** of cyber-bullying with explanations and examples. (8)
- (b) Advice to learners on how to act in cases of cyberbullying. (8)
- (c) The ICT tool which will convey the information. (1)
- (d) An indication of how learners will access the information. (2)

[TOTAL = 50]

ACKNOWLEDGEMENTS

Jain, Arvind (12th Apr 2017). *Benefits of ICT in learning and education*. YourStory website. Available at <https://yourstory.com/mystory/8b5663d9bf-benefits-of-ict-in-learning-and-education->

RUBRIC FOR STUDENTS

ALL of your answers must be in your own words, demonstrating your own personal understanding. Do not plagiarize by cutting and pasting text from a source. If you use sources to inform your answer, make sure you show WHICH source you are using, and then REFERENCE it correctly.

QUESTION ONE

- 1.1 You need to mention any 2 tools drawn from **EACH** of the following categories:
- **Overcoming linguistic barriers:** for instance, mention some of the social networking tools, online language development tools, presentation or demonstration tools, or some of the apps for language learning. (2)
 - **Overcoming geographical barriers:** for instance, mention some of the tools on Google, or apps for online learning or team-work. (2)
- 1.2 Give an appropriate **explanation** of **HOW** each tool that you have chosen breaks down (a) linguistic barriers (4 marks) and (b) geographic barriers (4 marks). (8)

QUESTION TWO

- 2a **Identify** any ICT tool(s) you choose to enhance your students' learning. You can choose up to 3 different tools. (3)
- 2b **Identify** the subject(s) **AND** topic(s) for which the tool(s) chosen will be used. The topic(s) must be **relevant** to the subject(s). (6)
- 2c **Explain** three different ways (for 3 marks each) **HOW** your students' learning will be enhanced by the tool(s) you have chosen. For instance, what features of the app(s) or software that you chose will help your learners to understand? (9)

QUESTION THREE

3. Define cyber-bullying in **your own words** (1)

QUESTION FOUR

- 4a **Identify four (4)** types of cyber-bullying and provide an **explanation** and an **example** of each. (4x2)
- 4b **In your own words**, advise your learners on how to act and address each of the four (4) cases of cyber-bullying mentioned in 4a. (4X2)
- 4c **Explain** what kind of education technology you will use to convey the information that you gave in 4a and 4b. (1)
- 4d **Explain** how your learners will access the information you have given in 4a, 4b and 4c. (2)

[TOTAL = 50]

