

LEARNING UNIT 5: INTEGRATED AND INNOVATIVE TEACHING AND LEARNING PRACTICES

5.1 OVERVIEW

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In learning unit 2, we explored various concepts relating to a professional teacher and discussed attributes and challenges teachers may face. Various teaching and learning strategies in order to help you meet the requirements associated with different curricula were discussed in learning unit 4. In this unit, we explore teaching and learning practices. Technology provides a variety of tools to enhance teaching and learning. It is now up to the commitment and time available. Technology offers a variety of tools to improve the quality of teaching and learning in your classroom. Research informs us that technology facilitates learning. Technology has great power to influence their teaching, make teaching fun and bring even the shy and quiet learners to life. It provides access to support learning (Granberg, 2000).

We are all aware that UNISA students for example, are dispersed all over the country, and even the world over. It is difficult to meet students scattered in their learning process is through the use of video-conferencing. We use this technology to bring students together at different centres around the world. Using this technology may improve the quality of class discussions and help students to participate fully in their learning process.

Furthermore, children of today grow up in a digital environment where a variety of technologies are used in their homes. They grow up in a home where there are play stations for TV games, controlling a remote to switch on/off a TV, a microwave, a toaster and many more. For example, it is no longer uncommon for a child to be talking on a phone, or to try to change pictures in a magazine in the same way they would on a tablet. So, the current teacher training needs to prepare for the use of any form of technology. For example, a 3-year-old boy won a DJ'ing competition in Gauteng to prove that South Africa has talent. This child's music which is appreciated by many people. He convinced the judges and beat a number of experienced DJs.

The pictures below are an indication of the type of learners you will meet by the time you qualify as a professional teacher. Be ready!

<http://www.google.co.za/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwil2qfeyvrUAhXLRQKHwZWARsQJRwIBw&talent/&psig=AFQjCNFgYaj9d-96XAT802qaFNIWqUGYPg&ust=1499634078020428>

A 3-Year-Old Just Won SA's Got Talent



THE STRUCTURE OF LEARNING UNIT 5

5.2 APPROPRIATE TECHNOLOGY FOR TEACHING AND LEARNING

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The growing use of technology in the classroom is gradually transforming the dynamics of the teaching and learning process (Shah, 2013). Although some may instead believe it makes teaching interesting, fun and a classroom a nice place to be. As technology is growing faster and stronger, it provides a platform for information and knowledge to be made instantly available, communication and exchange of ideas are easily accessible. It is my view that teachers should embrace technology by introducing a variety of technologies across the curriculum and in their teaching and learning.

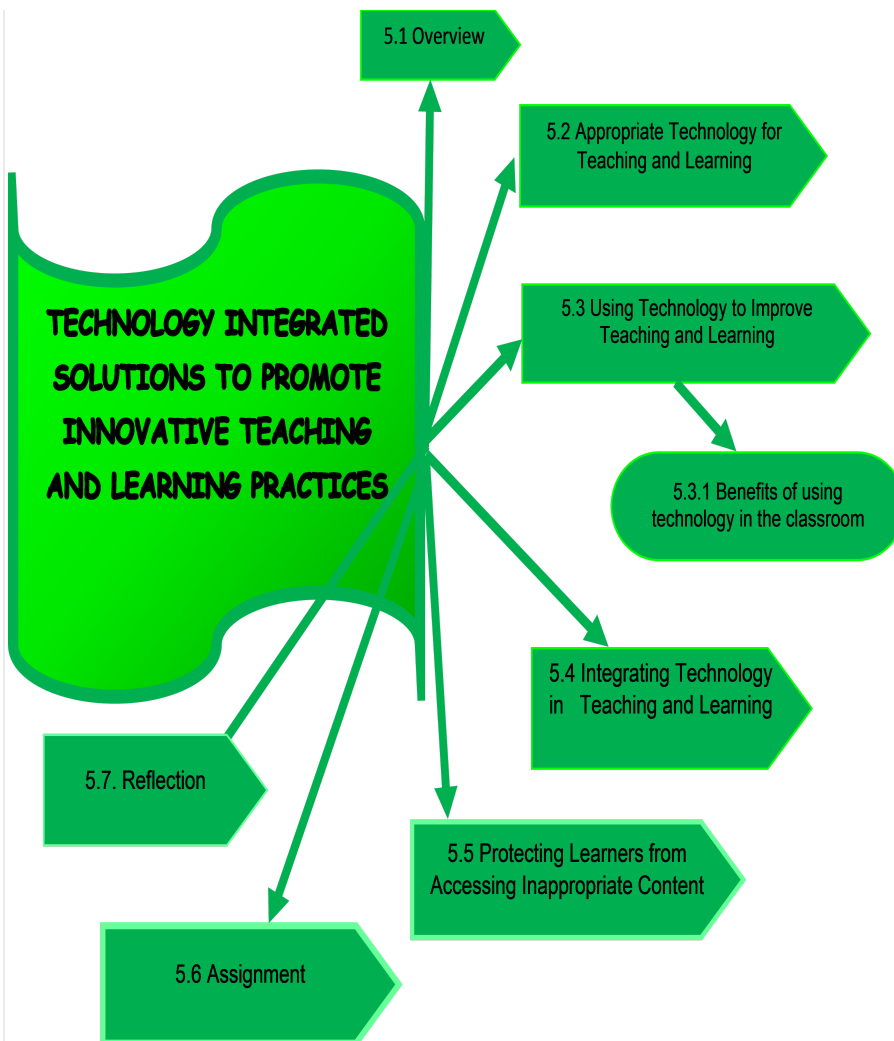
<http://education.microsoft.com/GetTrained/twt-course1using>

Using a variety of technologies in the classroom can actually change the way in which learners and teachers engage with information and co-construct knowledge. The burden of finding information for learners. Instead, learners have the opportunity to research and find up-to-date information themselves. This is a positive change for teaching and learning, for the better.

However, using technology in schools, requires a reliable system for effective use in the classroom in particular. Teaching and learning become available to all learners. This includes:

- Internet
- World Wide Web (www)
- computers
- Tele/Video conferencing
- Television (TV)
- Electronic mails (e-mails)
- Compact Discs (CDs)
- Flipped Classroom
- Whiteboards
- Other devices: Tablets, Any other Mobile devices.

Using devices appropriately in the classroom can play a constructive role and bring excitement and meaning into the teaching and learning process.



sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjK0f7N0frUAhVHwxQKHJVAkUQjRwIBw&url=https://www.getadminist
styles/&psig=AFQjCNE1VZlkZ4fhgFzZnDU-_z73KsydNw&ust=1499635659316547

How to Teach to Different Learning Styles: Auditory Learners for ex

ACTIVITY 5.1

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PLEASE NOTE:

- 1. THIS ACTIVITY IS CONDUCTED IN THREE STAGES. FOLLOW THE STAGES INDICATED BELOW TO HELP YOU UNDERSTAND THE TOPIC UNDER DISCUSSION.**
- 2. KINDLY POST YOUR RESPONSES FOR THIS ACTIVITY IN YOUR BLOG. POSTING YOUR RESPONSES IN YOUR BLOG WILL GIVE YOU 5% OF YOUR OVERALL ASSIGNMENT MARK**
- 3. AT LEAST FOUR MEMBERS IN YOUR GROUP SHOULD COMMENT ON YOUR POSTING.**

STAGE 1: Pre-Reading

1. Spend at least five minutes brainstorming what you think about the innovative ways of teaching you plan to bring in your classrooms. On the basis answer.

STAGE 2: Reading:

Do an internet search for 2 (two) articles about “Relevant Technologies for teaching and Learning”. Review the articles and highlight some important

- Write down some notes and comments you will need to use for your participation in your **BLOG** later.
- Pay particular attention to ideas that provide answers to the questions you raised previously, or ideas that raised issues you had not thought ab

Do an internet search and look for a short article that can provide you with information about devices that you think you can use in your classroom in

How Technology can transform my teaching: <http://learningandsharingwithmsl.blogspot.com/2013/06/how-is-technology-transforming-my.html>

Born to learn: <https://www.youtube.com/watch?v=falHoOEUfz0>

New ways of teaching: <https://www.youtube.com/watch?v=075aWDDZUIM>

STAGE 3: Post Video watching and Reading

Organize what you have learned from the readings in the form of a mind map or table and write one (1) or two (2) statements or ideas about it. Remember to provide complete references for any direct quotations.

5.3 USING TECHNOLOGY TO IMPROVE TEACHING AND LEARNING

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Technology is gradually reforming teaching and learning in South African schools. Although, this is still at an infant stage, the need is clear for a bet be seen as being innovative and also as the best way to learn. Using technology in the classroom is exciting, increases learning, engages learners with learners as well. Of significance, it unleashes the creativity of an innovative teacher.

[https://www.google.co.za/url?](https://www.google.co.za/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKewiArN2RhP3UAhUK8RQKHe0LCuMQjRwIBw&url=https://www.crawfords)

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Crawford Schools – Crawford Schools

School Activities

5.3.1 THE BENEFITS OF USING TECHNOLOGY IN THE CLASSROOM

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Using technology in the classroom offers many opportunities to learners. Although many schools have restrictions on bringing cell phones to s software used by the institution, receive first-hand information as well as engage with other learners and the teacher. Some teachers believe technol than having to do most of the work of finding relevant information yourself. Faster learners can be guided towards accessing more advanced re scaffolded resources. So technology can allow us to meet the needs of all learners in the classroom rather than only the middle 'average' learners.

The activity below will help you understand the value of using technology in the classroom. You will be required to watch short videos and read short

ACTIVITY 5.2

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3. AT LEAST FOUR MEMBERS IN YOUR GROUP SHOULD COMMENT ON YOUR POSTING.

STAGE 1: PRE-WATCHING

- Spend at least five minutes brainstorming what you think of using technology in the classroom
- On the basis of your brainstorm, formulate some questions that you hope your videos and readings will help to answer.

STAGE 2: WATCHING

- Select any of the links given below, click and read at least **TWO** of the articles or watch the video. As you are reading or watching the video write

How it started: <http://www.wired.com/2013/10/free-thinkers/all/>

Using Technology Today: http://education.mit.edu/papers/GamesSimsSocNets_EdArcade.pdf

Technology in the classroom: <https://www.youtube.com/watch?v=ulb4jl3xqs8>

Using Cellphones to assist Teaching and Learning: <http://www.e4africa.co.za/?tag=cell-phones>

Using iPads for projects: <http://www.youtube.com/watch?v=XnWAhFcDPrY&feature=related>

Technology in the Classroom: <http://www.youtube.com/watch?v=9cxyH1qgKZQ&feature=related>

iPads in the Classroom: <http://www.youtube.com/watch?v=xbc0DIONJaE&feature=related>

Self-directed learning: <http://edtechreview.in/news/824-how-technology-supports-self-directed-learning>

STAGE 3: Post-Video watching and Reading

Organize what you have learned from the readings in the form of a mind map or table and write one (1) or two (2) statements or ideas about it. Remember to provide complete references for any direct quotations.

5.4 INTEGRATING TECHNOLOGY IN TEACHING AND LEARNING

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As have been indicated in previous paragraphs, technology is gradually becoming part of the lives of many people. Children of today grow up in a c though technology is being improved as a faster rate, the prices are dropping and digital devices are becoming affordable. The affordability of 1 computers and learners with tablets.

The Technology That's Giving Students With Autism a Greater Vo

From the above discussion, it is clear that learners of today are different. They come to school with some knowledge of using technology and mo thinking and the needs of the child of today. Integrating technology in the curriculum is no longer negotiable, as it is a must that technology sho technology in the curriculum improves the learning process and the outcomes as well.

http://www.google.co.za/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiCqxq-D_zUAhUGVRQKHSqPDL0QjRwIBw&cloud/&psig=AFQjCNEAjli8rko4mrc9PrSaMZd5RCkPuQ&ust=1499716899445266

From the Classroom to the Cloud

Integrating technology in the curriculum does not only impact on teaching and learning, it also changes the way in which teachers teach. Teachers t of learning of each of the learners in class. Their teaching approach moves from behaviourism to constructivism as they (learners) learn to ana Technology offers learners the opportunity to find information on their own and take charge of their learning as well. It leads them to become indepe

The activity below will help you learn more and understand the importance of integrating technology in the curriculum. You will be required to watch :

ACTIVITY 5.3

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- Spend at least five minutes brainstorming what you think of using technology in the classroom
- On the basis of your brainstorm, formulate some questions that you hope your videos and readings will help to answer.

STAGE 2: WATCHING

- Select any of the links given below, click and read at least **TWO** of the articles or watch the video. As you are reading or watching the video writ

Integrating Technology into learning:

The future classroom: <https://www.youtube.com/watch?v=uZ73ZsBkcus>

Using Technology to Learn: <http://www.guardian.co.uk/classroom-innovation/educational-games-pioneer-minds>

Using Cellphones to assist Teaching and Learning: <http://www.e4africa.co.za/?tag=cell-phones>

Using iPads for projects: <http://www.youtube.com/watch?v=XnWAhFcDPrY&feature=related>

Technology in the Classroom: <http://www.youtube.com/watch?v=9cxyH1qgKZQ&feature=related>

iPads in the Classroom: <http://www.youtube.com/watch?v=xbcoDIONJaE&feature=related>

STAGE 3: Post-Video watching and Reading

Organize what you have learned from the readings in the form of a mind map or table and write one (1) or two (2) statements or ideas about t Remember to provide complete references for any direct quotations.

While we all sing praises on the use of technology in the classroom, we also need to protect and monitor our learners on the information they access

5.5 PROTECTING LEARNERS FROM ACCESSING INAPPROPRIATE CONTENT

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As has been discussed in learning unit 2 that teachers play multiple roles in the classroom, you need to be aware and understand that most learners and/or mobile technologies. These gadgets are used as tools to facilitate learning, sharing and exchanging knowledge **BUT** they can be dangerous if that learners do not put themselves at risk or are compromised while using these gadgets. For example, we now understand that technology makes and accessing information. Accessing a variety of information requires skills that learners acquired over time. They should therefore be checked, wh the rest of the class or to their teacher to say the least.

It is in this vein, that I believe the school and teachers have a responsibility to help protect learners from accessing inappropriate content me Cyberbullying is a growing trend in South Africa and it needs to be tackled even before it begins in our schools. The effects of cyberbullying are learners. All these issues require collaborative strategies where the school, teachers and parents to work together and plan ways to protect learn development (Muthler, 2015) as well.

ACTIVITY 5.4

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Select any of the links given below, click and read at least **TWO** of the articles. As you are reading write down some notes you will need to use later.

Keep your notes to help form the basis of your comments in your **BLOG**. Remember to provide complete references for any direct quotations.

Keeping Learners Safe: <http://www.edudemic.com/guides/the-teachers-guide-to-keeping-students-safe-online/>

How to keep children Safe: <https://www.laptopmag.com/articles/technology-and-your-children-how-to-keep-them-safe>

How to protect children from cyberbullying: <http://theconversation.com/how-can-we-protect-young-people-from-cyberbullying-14753>

Cyberbullying: Protection of learners against cyberbullying: <http://www.edudemic.com/the-teachers-guide-to-keeping-students-safe-online/>

Strategies Educators can use to stop cyberbullying: <http://www.opencolleges.edu.au/informed/features/15-strategies-educators-can-use-to-stop-cyberbullying/>

Types of Cyberbullying: <http://www.endcyberbullying.org/5-different-types-of-cyberbullying/>

5.6 ASSIGNMENT 6: CREATIVITY AND INNOVATION

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There are a multiplicity of technology tools that can be used to enhance teaching and learning. You want to teach your diverse learners to sing and You therefore need to do the following:

- Compose a poem/song appropriate for the learners you plan to teach (Any Grade)
- The poem/song can be written in any language but translated in English
- Your song must have an appropriate message for learners to enjoy it
- Record the poem/song and publish it on U-Tube
- Create a link where to find it and listen to the poem/song
- The poem/song should be 5 minutes long.

5.7 REFLECTION ON LEARNING UNIT 5

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The purpose of this section is to help us understand how well the online delivery of this learning unit enabled you to learn.

There are no "right" or "wrong" answers; we are interested only in your opinion. Please be assured that your contribution will make a difference.

- Write 5 statements about your experience in this learning unit and keep this information for later use in the year.
- Suggest ways in which we can improve the module.

5.8 REFERENCES

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Hussain, I and Safdar, M. (2008). Role of Information Technologies in Teaching Learning Process: Perception of the Faculty. *Turkish Online Journal of Educational Research*

Motteram, G. 2013. Innovations in learning technologies for English language teaching. Retrieved on 30 May 2017, from www.britishcouncil.org

Muthler, S. 2015. Online Safety: A Teacher's Guide to Dealing with Cyberbullying, Sexting, and Student Privacy. *Edudemic*

Shah, S.A. (2013). Making the Teacher Relevant and Effective in a Technology-Led Teaching and Learning Environment. *Social and Behaviour Science*