







Integrated ICT Learning Unit
My Home

<p><i>My Home</i></p> <p>My Name _____</p>	
<ul style="list-style-type: none"> ☆ Do not open the fridge door unnecessarily ☆ Switch on the energy saving switch, if there is one on the fridge ☆ If you are going on holiday, remove all goods, clean it and switch it off ☆ Never use the oven to heat the kitchen <div style="text-align: center;">  </div> <p style="text-align: center;">Kitchen</p>	<ul style="list-style-type: none"> ☆ Use fluorescent bulbs as it is more economical ☆ Clean your light bulbs as dusts collect on it and this reduces the amount of light it gives off ☆ Have light coloured curtains to reflect sun light ☆ Switch off your TV and/or radio if no one is using it <div style="text-align: center;">  </div> <p style="text-align: center;">Sitting Room</p>
<ul style="list-style-type: none"> ☆ A front loader washing machine uses less water and costs less to use ☆ If using a tumble dryer, make sure to set it on the correct temperature to minimise the amount of electricity used ☆ Make sure to turn off your iron if the power goes out while you were ironing <div style="text-align: center;">  </div> <p style="text-align: center;">Wash Room</p>	<ul style="list-style-type: none"> ☆ If you are using an electric blanket, make sure to switch it off once you have gotten into bed. Don't leave it on all night ☆ Keep your windows and doors closed if you have the heater on <div style="text-align: center;">  </div> <p style="text-align: center;">Bedroom</p>



Overview

This integrated ICT learning unit consists of one activity which explores the concept of **saving electricity in the home**.

Lesson format:

- 10 minutes Educational game (optional; at the discretion of the teacher)
- 5 minutes "Tech Talk" which introduces ICT terminology
- 5 minutes Mouse skills which develop essential mouse and keyboard/touch typing techniques
- 20 minutes+ Integrated activity involving tasks, which relate to relevant content being covered in the classroom

ICT applications used in this Learning Unit:

Word Processing	Graphics	Spreadsheets	Databases	Internet	E-mail	Presentations	Drawing	Web design	Information Organiser	Simulations & design	Desktop Publishing	Operating Systems	Programming & logic
✓													

Structure of the Learning Unit:

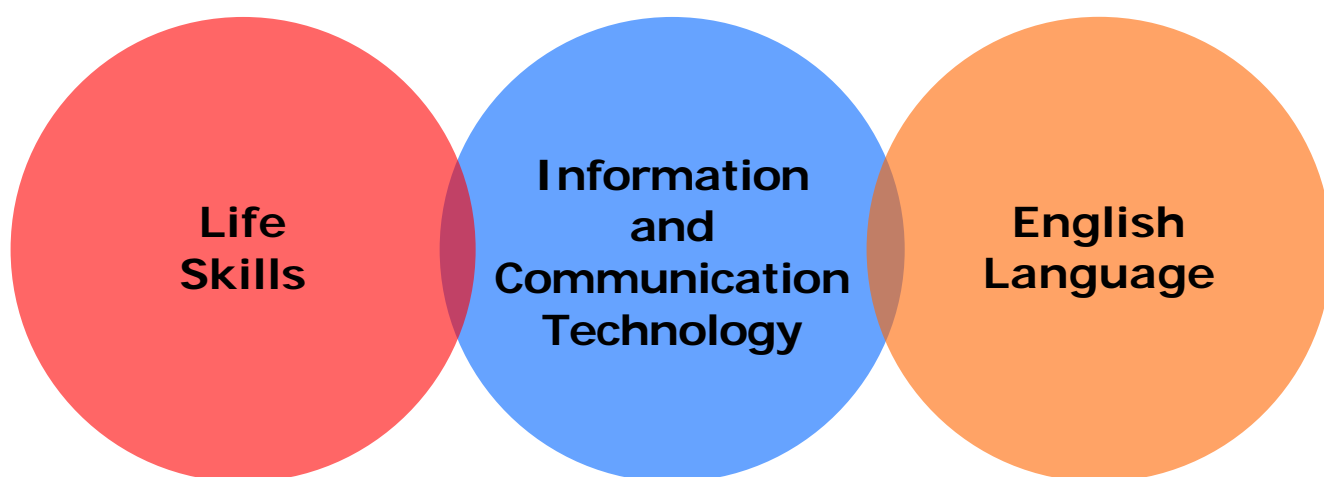
Integrated Activity

This lesson is aimed at integrating ICT into current, relevant class curriculum. Using this approach enables learners to use the computer not only as a working tool but also as a relevant learning tool to learn new concepts and skills or consolidate previously learnt work. This activity will take between 20 – 60 minutes (or 1-3 lessons) to complete depending on the ability of the learners and the time available.

e-Learner Assessment

The required assessment for each unit is completed by the ICT teacher by means of evaluating each skill on the skills matrix. The ICT teacher can indicate on the skills matrix whether the skill is being practised or developed by inserting a tick in the appropriate column next to the appropriate skills. Should the teacher wish to formally assess the skills, the relevant achievement level can be indicated in the assess column next to each skill assessed. The corresponding e-Learner skills should also be marked off when completed. The e-Learner skills can also be formally assessed by subscribing to the relevant online e-Learner assessment for which an ECDL endorsed certificate will be issued upon successful completion of the course. By utilising these assessment tools, the level of ICT competency as well as the progress of each learner can be monitored. The assessment matrix, as contained in this lesson instruction book, may be printed or photocopied for each learner.

ICT INTEGRATION ACROSS THE CURRICULUM



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STRUCTURE OF LESSON MY HOME

INTEGRATED LESSON	
Prior Learning Requirements	
Concept / Topic: Knowledge of saving electricity in the home	
ICT Skills: Effective control and use of the keyboard and mouse	
Educational Game	10 Min
A suitable educational game may be used as an optional activity at any point during the course of the lesson at the discretion of the ICT or class teacher	
Keyboard / Mouse Skills	5 Min
A suitable activity should be selected by the ICT or class teacher to ensure continuity and progression of appropriate skills	
Tech Talk	5 Min
PRINT Words or images appear on paper by using a machine called a printer.	
Integrated Activity	20 Min
Learners write ways to save electricity in different rooms within their home.	
Resources Used	
Software: None	
Prerequisite: Conserving Electricity.pdf	
Template: My Home Temp.doc	
WWW: None	
Subjects	
<ul style="list-style-type: none"> • Life Skills • English Language 	
Beyond the ICT Centre	
<ul style="list-style-type: none"> • Learners can brainstorm ways in which they can teach others about saving electricity in their town/community. 	



INTEGRATED ACTIVITY

In order to promote relevant discussion, the following questions are posed by the educator to the learners:

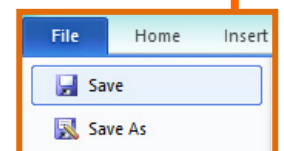
- **What is loadshedding?**
- **Do you know some ways to save electricity?**
- **How did you learn about these ways?**

A short discussion takes place about ways to save electricity in the home.

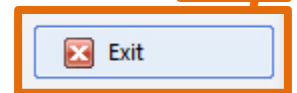
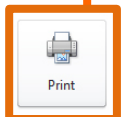
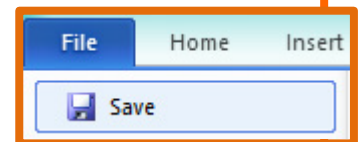
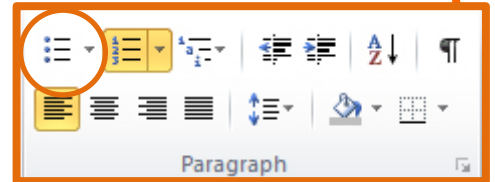
Task: Today you are going to write ways to save electricity in different rooms within the home.

*Note to the educator: This task requires the template: **My Home.docx** which can be loaded onto the desktop of each computer or onto a shared drive. The screen shows 4 'rooms' which represent the home. You can give the learners instructions about which is which (e.g. the Kitchen is at the top left etc.) or leave it up to them. Each learner should decide how they can save electricity in each room. Ask them to justify their decisions, but do not be too quick to tell them they are wrong, often there is good reasoning behind their choices.*

1. Open the template: **My Home Temp.docx** template by double clicking the shortcut in the folder which you just downloaded.
2. **Save your document** into your **digital portfolio**
→ **File** → **Save As** → **locate your portfolio** → **double click** → **type a suitable name in the file name box** → **Save** .
3. Double click on the **Conserving Electricity.pdf** to read through some electricity saving tips provided by Eskom.



4. This home has four rooms: a kitchen, a sitting room, a wash room and a bedroom.
5. Click in each room and type the correct electricity saving points for that particular room.
6. If you would like each point to be bulleted, click on **Home Ribbon → Bullets**. (Note: Press the "Enter" key on the keyboard to make a new point).
7. On the second page of this document, you will see that there are ClipArt images. Can you sort out the pictures so that they are in the correct rooms?
8. Click on the ClipArt images on the second page and drag them into the correct room in the home. Find a place for each picture.
9. Type your name: Click and highlight the text "**My Name**" on the roof of the home → **press the Delete key on the keyboard** → type in your name.
10. Once all your rooms are complete, **Save** your work by **clicking on File → Save**.
11. To print your home → **File → Print → Print**.
12. A print window will pop up like this showing your work → **OK**.
13. Exit **Microsoft Word** by clicking on **File → Exit**.



My Home

My Name

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Kitchen

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Wash Room

- ☆ Use fluorescent bulbs as it is more economical
- ☆ Clean your light bulbs as dusts collect on it and this reduces the amount of light it gives off
- ☆ Have light coloured curtains to reflect sun light
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Sitting Room

- ☆ If you are using an electric blanket, make sure to switch it off once you have gotten into bed. Don't leave it on all night
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Bedroom

Word Tracing Worksheet