

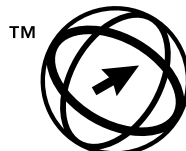


Integrated ICT Learning Unit
Volume R
Soccer Special – Viva Vuvuzela!

Viva Vuvuzela!

Name:

Grade:

Two colorful vuvuzelas are shown. The top one has a green bell, and the bottom one has an orange bell. Both are decorated with various colored segments. Musical notes are scattered around them. A small 'vuvuzela.mp3' icon is in the bottom right corner of the frame.

Endorsed by the
ECDF Foundation

Overview

This integrated ICT learning unit consists of one activity which explores the concept of **the vuvuzela**.

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, a symbol of 1, 2, 3 or 4 is inserted into the matrix in the assess column next to each skill assessed. The corresponding skills should also be marked off on the e-Learner Administration System and forwarded to Head Office when completed. As a pre-requisite for accreditation, all the required skills for each e-Learner unit need to be mastered. In this way, the level of ICT competency as well as the progress of each learner can be monitored. This matrix may be printed or photocopied for each learner.

LEARNING OUTCOMES ADDRESSED IN THIS INTEGRATED ICT LEARNING UNIT						
Learning Areas	L01	L02	L03	L04	L05	L06
Languages	Listening	Speaking	Reading & viewing	Writing	Thinking & reasoning	Language Structure and use
Mathematics	Numbers, operations & relationships	Patterns, functions & algebra	Space & shape (Geometry)	Measurement	Data Handling	
Natural Sciences	Investigate relationships & solve problems in scientific, technological & environmental contexts	Interpret & apply scientific, technological and environmental knowledge	Relationship between science, technology, society & environment			
Social Sciences - History	Historical Enquiry	Historical Knowledge and Understanding	Historical interpretation			
Social Sciences - Geography	Geographical Enquiry	Geographical Knowledge and Understanding	Exploring Issues			
Arts and Culture	Creating, Interpreting and Presenting	Reflection	Participation and Collaboration	Expression and Communication		
Life Orientation	Health Promotion	Social Development	Personal Development	Physical Development and Movement	Orientation to World of Work	
Economics and Management Sciences	Economic Cycle	Sustainable Growth and Development	Managerial, Consumer & Financial Knowledge & Skills	Entrepreneurial Knowledge & skills		
Technology	Technological Processes & Skills	Technological Knowledge & Understanding	Technology, Society & the Environment			

STRUCTURE OF LESSON VIVA VUVUZELA

INTEGRATED LESSON	
Prior Learning Requirements	
Concept / Topic: Familiarity with look, sound and purpose of vuvuzelas	
ICT Skills: Adding a fill and line colour; moving graphics	
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
FILL EFFECT When you want to format elements such as drawing shapes you can add a fill effect which can include gradients, effects, colours and textures.	
Integrated Activity	20 Min
Learners add colour to vuvuzelas and position music notes	
Resources Used	
Software: Microsoft Word	
Prerequisite: None	
Template: vuvuzela.doc	
WWW: None	
Learning Outcomes	
<ul style="list-style-type: none"> • Language LO 1 • Arts and Culture LO 1 	
Additional Learning Opportunities	
Concept / Topic: 1.4 Fly the flag	
ICT Skills: R.3 Colour R.15 Matching	
Beyond the ICT Centre	
<ul style="list-style-type: none"> • Make your own vuvuzela out of recycled material such as hosepipe, plastic bottles, cardboard tubes etc. 	

Learner name:	Class:	
Integrated Activity: Learners add colour to vuvuzelas and position music notes		
Theme/Topic: Viva Vuvuzela	Integrated Activity	
Learning Outcomes & Assessment Standards	Practice	Assess
Language		
R.1.1 Listens attentively to instructions and responds appropriately.		
<i>Comment:</i>		
Arts and Culture (Visual Arts)		
R.1.4.3 Explores and experiments with a wide variety of art materials and colour in a spontaneous and creative way.		
<i>Comment:</i>		
Concepts and Skills		
Listening to and following instructions		
Shape		
Colours		
Sounds		
Music notation		
4 = Exceeded Requirements 3 = Satisfied Requirements 2 = Partially Satisfied Requirements 1 = Has Not Satisfied Requirements		

Learner name:	Class:	
Integrated Activity: Learners add colour to vuvuzelas and position music notes		
Theme/Topic: Viva Vuvuzela	Integrated Activity	
e-Learner Skills	Practice	Assess
Unit 2 - Files and Folders		
2.2.1 Right / Left click mouse		
2.2.2 Single / Double click mouse		
2.5.1 Open / Exit programmes Using Shortcuts		
2.7.1 Navigating through folders / Folder structure		
2.7.3 Navigating within a file (scrollbar / hyperlinks)		
2.7.4 Opening Files		
2.7.5 Saving Files		
2.7.6 Closing Files		
Unit 4 - Word Processing		
4.1 Open programme		
4.2.2 Opening document		
4.5.3 Move graphics		
4.5.4 Resize graphics		
4.5.6 Delete graphics		
4.8 Save		
4.10 Print		
4.11 Exit		
4 = Exceeded Requirements 3 = Satisfied Requirements 2 = Partially Satisfied Requirements 1 = Has Not Satisfied Requirements		

Integrated Lesson Viva Vuvuzela! (Microsoft Word)



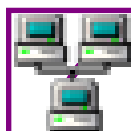
EDUCATIONAL GAME: (10 minutes)

A suitable educational game, as per Appendix A, 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 minutes)

1. Drag – click and hold the left mouse button down whilst moving your mouse across the page.
2. Left click – pressing the left mouse button once.
3. Right click – pressing the right mouse button once



TECH TALK: (5 minutes)

FILL EFFECT

When you want to format elements such as drawing shapes you can add a fill effect which can include gradients, effects, colours and textures.



INTEGRATED ACTIVITY (20 - 60 MINUTES)

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

- **What is a vuvuzela?**
- **What is a vuvuzela usually made from?**
- **Where are why are vuvuzelas used?**

A short discussion takes place about the distinctly South African vuvuzela which is used at soccer matches to cheer your chosen side to victory.

Explain to the learners that today they are going to colour in two vuvuzelas using the colours of the 32 nations taking part in the soccer world cup. Then they are going to arrange some music notes around the vuvuzela and will even be able to listen to the vuvuzela being played.

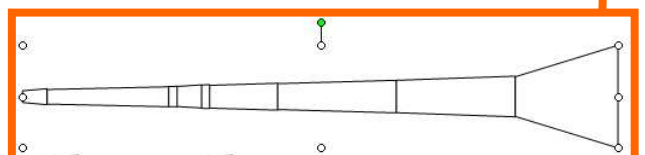
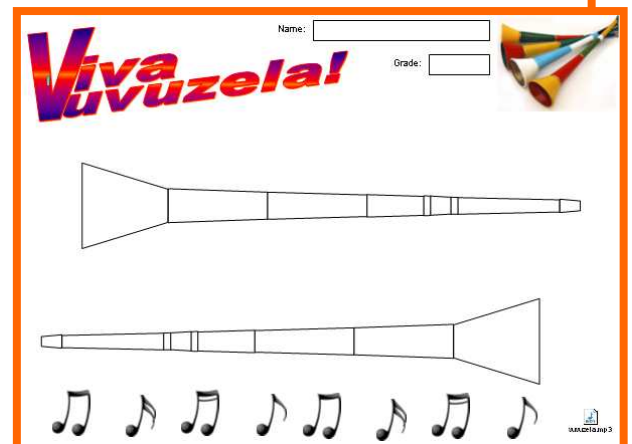
Task: Add colour to the vuvuzelas using the colours of the 32 nations taking part in the 2010 world cup soccer.

1. Double click on the **Computers 4 Kids** icon on your desktop and click on

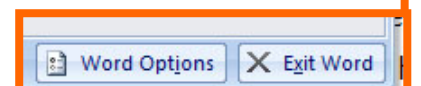
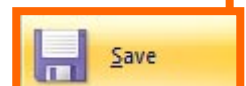
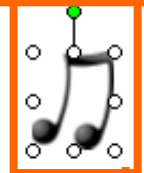
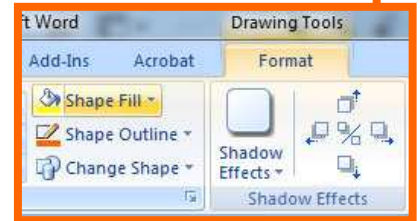
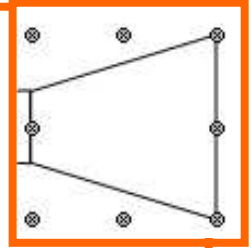


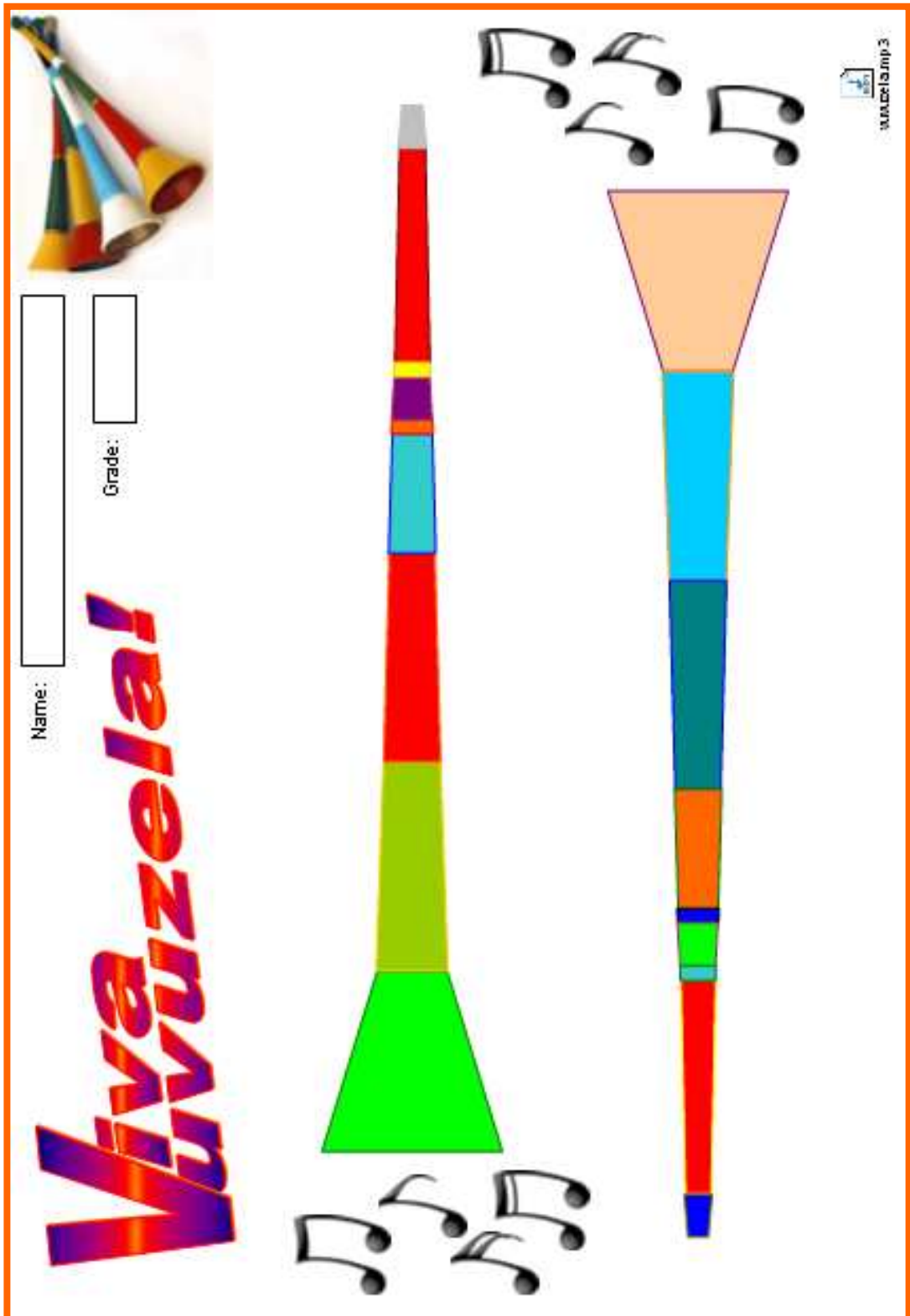
the relevant **volume number** and **lesson number**

2. Click on the template hyperlink under the Template Link heading
3. The opened template will look like this:
4. Ask your teacher to help you **save** your **document** into your **digital portfolio**. **Office Button** → **save as** → **locate your portfolio** → **double click** → **type a suitable name in the file name box** → **save**.
5. Begin by adding colour to the first vuvuzela.
6. Click once on the vuvuzela. Blue adjustment handles will appear at the corners and along the edges of the vuvuzela.



7. To select a **single piece** of the vuvuzela to colour, **double click** once more on the selected piece. The selected piece will have grey adjustment handles around it. Once you have done this a new toolbar called format will appear
8. Under "**Shape Fill** " and "**Shape outline**", **select a colour from the drop down colour palette → OK**
9. If you do not see a colour you like choose more outline colours or more fill colours from the drop down box
10. Your selected piece of the vuvuzela will now be coloured with the fill and line colour of your choice.
11. Continue colouring the pieces of the second vuvuzela in the same way.
12. Once you have coloured both vuvuzelas you may move the music notes into position at the wider end of each vuvuzela.
13. To move the music note graphic into position, move your mouse pointer onto the music note. A 4 headed arrow will appear.
14. Click on the music note and hold **your finger down** on the left mouse button and **drag** the music note into position.
15. Release the left mouse button to drop the music note graphic in place.
16. Position all the music note graphics next to each of the vuvuzelas in the same way.
17. When you have the music note graphics in their correct places, double click on the "vuvuzela.mp3" to hear what a vuvuzela sounds like.
Note to educator: Speakers are needed to hear the "vuvuzela.mp3" and it will only play if you have software which supports mp3 format.
18. **Click** on the textboxes next to "name" and "grade" and type your name and grade (or ask your teacher to).
19. **Save** your work by **clicking** on **Office Button → save**
20. To print your document, click on **Office Button → Print**
21. Close **Microsoft Word** by clicking on **Office Button → exit Word** or clicking on the **top X** at the top of your screen.


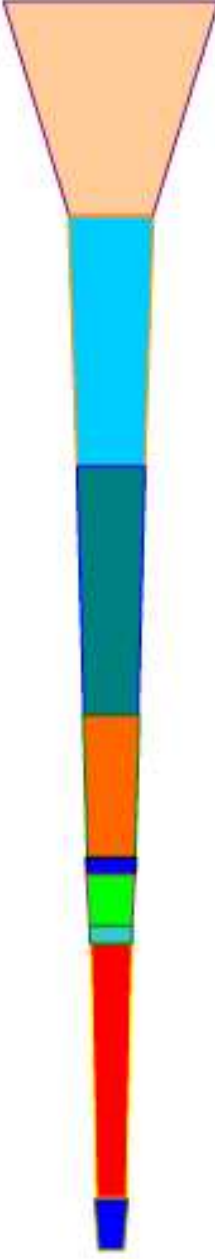








Viva Vuvuzela!

Name:

Grade:



vuvuzela.mp3

