

UNIT 2

OVERHEAD PROJECTOR (OHP), DATA PROJECTOR, CELLPHONE CAMERAS, TRANSPARENCIES AND POSTERS

Outcomes: On the completion of this unit, the student should be able to:

- Summarize the key aspects pertaining to the OHP
- Demonstrate that they can use the OHP for teaching and learning

INTRODUCTION

The overhead projector is a tool that has been in use in many schools in South Africa since the 1980's. However, since 2010, it has become a dying 'breed' as the data projector and laptop combination has started to take off in South Africa. Below, links are provided to readings pertaining to using the OHP, how to use it and what not to do including its advantages and disadvantages. We are not going to spend too much time on the data project, as you have used them probably already a great deal.



Activity 1: OHP & Transparencies

Explore the web resources below in order to be able to have a greater understanding of the bulleted points below. Make some short notes. Share in a group of three to four.

<http://edtech207.wikispaces.com/file/view/EdTech+207-+Overhead+Projector+Report+reference.doc/156052527/EdTech%20207-%20Overhead%20Projector%20Report%20reference.doc>

<http://www.neiu.edu/~sdundis/hrd406/ovrhdproj.pdf>

<http://ritzel.siu.edu/courses/443s/classroom/overhead.htm>

- Overview of overhead projector
- Creating transparencies:
 - Writing with permanent and non-permanent pens
 - Burning or toasting on the photocopier
- Advantages
- Disadvantages
- Guidelines & Tips when using the OHP

Activity 2: Comparing uses of the OHP and Data Projector

Compare the uses of the OHP and Data Projector. Which uses are unique to each one and which can be shared? Download and print (or download and save it to your laptop or flash and complete it then electronically) the online resource and compare the uses by completing the table. It is available in the ONLINE RESOURCE SECTION on LEARN in UNIT 2.

Activity 3: Using the cellphone camera to capture and insert images into media

Do you know how to use a cellphone or digital camera to insert images into a worksheet, test or PowerPoint? Can you demonstrate it?

Discuss in groups and demonstrate to us how to do it.

Activity 4: Poster design and general guidelines (tips)

Discuss and share general points about posters in class.

- What makes a good poster?
- Should there be a sequence on the poster or not?
- Could there be labels that can be attached to it in order to make it more interactive?
- How should it flow?
- Just text or just images/figures or a combination?

Read for homework and by keeping your assignment in mind that follows at the end of this unit.

<http://www.brown.edu/academics/medical/sites/brown.edu/academics/medical/files/uploads/Poster-design.pdf>

http://exp.washington.edu/urp/downloads/symposium12_Poster_Design_handouts.pdf

Activity 5: Practical poster design

Posters can be designed in various modes. Below are three:

- Posters without using the computer: This is the traditional crayon and 'koukie' method. You may also include pictures from printed materials
- Posters that combine the traditional and using the computer: Using Microsoft Publisher and physically cutting and pasting. The same as above, but here your printed resource(s) are from the computer – either designed or created by yourself or something that you have downloaded or copied from the internet. Be careful, beware of copyright!!
- Posters design by using only the computer: Using Microsoft Publisher

Can you use Microsoft Publisher to create labels and insert images into it? Would you be able to create an A4 size poster or figure (which you can enlarge on a photo copier to A3 size) or an

A3 size figure or poster that can be used for teaching and learning in your classroom? Practice!! Microsoft Publisher is loaded on the NMMU computers. You should find it under ALL PROGRAMS in the Microsoft Office section.

Let us practice and demonstrate how practically one can use Microsoft Publisher. If we do not get time in class, explore YOUTUBE for assistance.

Assessment: Homework & Implementation

Individual & Group assessment: Form a group of three to four. You have to select any topic from the CAPS for any subject. You have to design a poster that you can use to facilitate the teaching and learning that you are planning. Each person design his/her poster based on this topic. Design this poster where you have used publisher only on an A4 size paper. Then enlarge it by photocopying it onto A3 paper. Take a photograph of the poster with a cellphone or digital camera. Email or transfer the photo to your computer or flash drive.

Indicate in not more than ½ a page how you would implement this in a short PowerPoint presentation. Bring the printed poster to the classroom.



Each poster will be assessed individually.

As GROUP, decide which poster and whose implementation explanation is the best and then share it with us.

You will have two to three minutes as a group to present it.

Online Resources

Poster design guidelines/tips

- <http://www.brown.edu/academics/medical/sites/brown.edu/academics/medical/files/uploads/Poster-design.pdf>
- http://exp.washington.edu/urp/downloads/symposium12_Poster_Design_handouts.pdf
-  [Hidden from students: Comparing the OHP and DATA PROJECTOR File](#)
-  [Hidden from students: Comparing the OHP and DATA PROJECTOR](#)

POSTER ASSESSMENT & IMPLEMENTATION**STUDENT NO:****STUDENT NAME AND
SURNAME:**

	To what extent did the student achieve the following criteria? Tick the appropriate block	Help Needed	Below Average	Average	V. Good	Excellent
		1	2	3	4	5
1	Topic clearly indicated					
2	Logical and systematic layout					
3	Content fits the size of the poster					
4	Appropriate material used					
5	Correct colouring used					
6	Colour contrasts have been applied					
7	Variation of appropriate letting styles used					
8	Lettering large enough and legible					
9	Poster has a definitive focus - point					
10	A border has been created around the side					
	Sub-total:					
	General Impression:	2	4	6	8	10
	Total 60					

LECTURERE/PEER SURNAME: DATE: