Faculty of Education
Guiding tomorrow
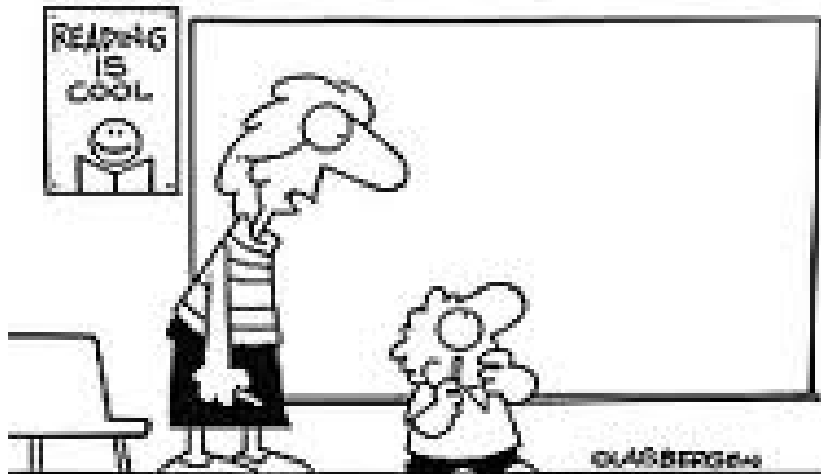
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ICT WIKI SCHOOLS PROJECT

Dr Andre du Plessis
&
Prof Paul Webb

Our learners and students have been born in a DIGITAL WORLD … But what about our teachers?
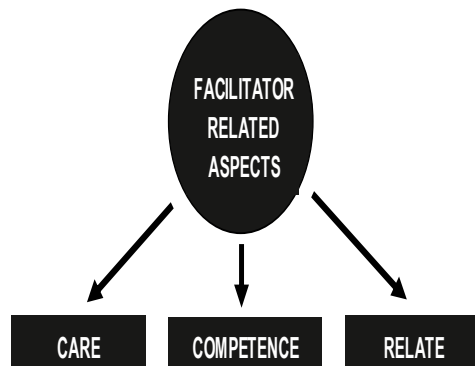

- Can we address the above issues? How?

PROBLEM: Professional Teacher Development

- What do we often hear? The issues that teachers have, such as:
  - ❖ Not enough support
    - ➢ Among one another
    - ➢ Among schools
    - ➢ From the DOE
  - ❖ So what do they need?
    - ➢ Greater collaboration & support among each other, among schools & from the DOE
  - ❖ ICT Training should …
    - ➢ Empower them
    - ➢ Provide support
    - ➢ Enrich teaching and learning
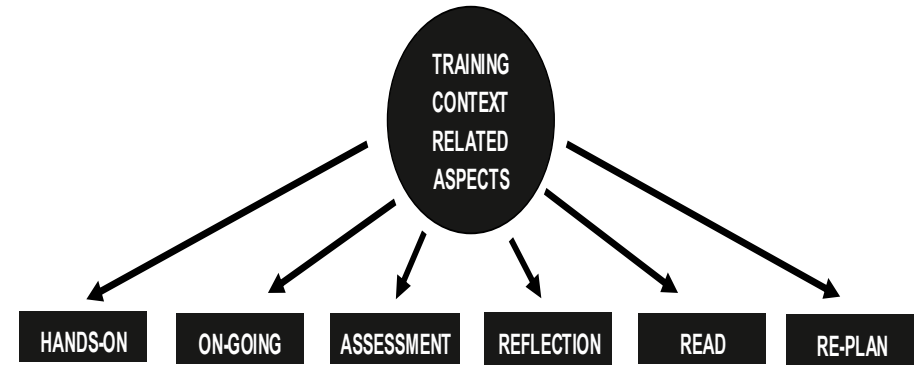   - ➢ Discuss issues
    - ➢ Share ideas

So what did I do?

- Conducted research regarding Teacher requirements related to Professional Teacher Development

- What emerged? The **$C^2RHOAR^3FS^2R^2$** ICT Teacher Professional Development Proposed Framework
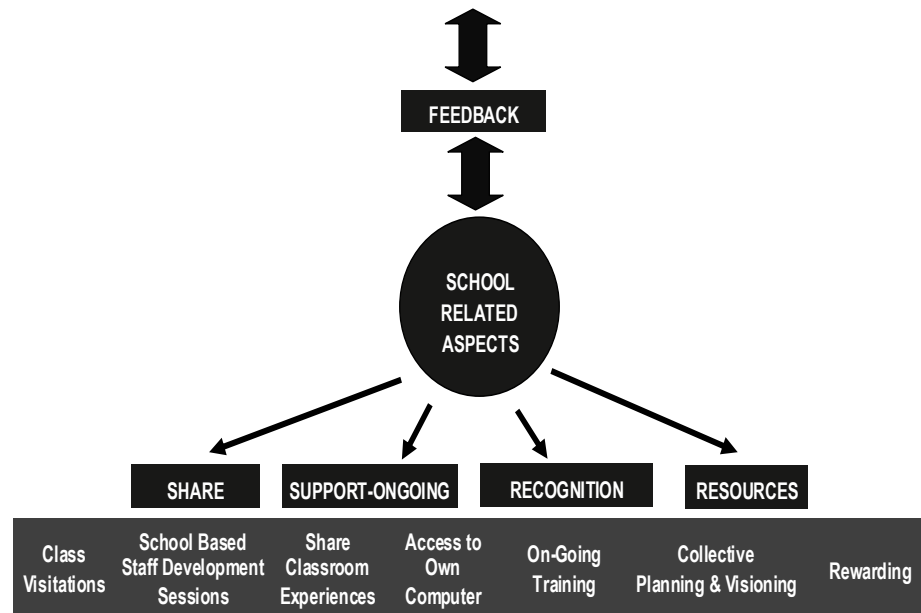
- Let me explain its THREE dimensions … [Next slide]

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Research that we conducted, resulted in the $C^2RHOAR^3FS^2R^2$ ICT Teacher Professional Development Proposed Framework

- Based upon the previous findings, the following question emerged:
  - ❖ How can teachers support one another by means of ICTs?
    - ➢ ANSWER: What about a Wiki?
- So what is a Wiki? [see next slide]

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WIKI VIDEO #1

YouTube link below:

- http://www.youtube.com/watch?v=deL8SJb92SI&feature=related

What is a WIKI?

- A Wiki or wiki (pronounced "wicky" or "weekee") is a Web site (or other hypertext document collection) that allows a user to add content. The term Wiki can also refer to the collaborative software used to create such a Web site
Wiki, Wikipedia, http://en.wikipedia.org/wiki/Wiki

Quick-Quick way to add/edit content in any form

- ❖ Collaborative in nature

The YouTube Video Link is below:

http://www.youtube.com/watch?v=ZmByB0sIPog&feature=related

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The WIKI initiative with the DOE

ICT WIKI Project
'Empowering teachers & Learners'

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Join this Wiki
Recent Changes
Manage Wiki
Search

Homepage

Grade R
Grade 0
Grade 1
Grade 2
Grade 3
Grade 4
Grade 5
Grade 6
Grade 7
Grade 8
Grade 9
Grade 10
Grade 11
Grade 12

Office Manuals for download [NEW]

Wikispaces Help Section [NEW]

Education Departemental News [NEW]

ICT links [NEW]

Links to computer lessons

Other interesting stuff [NEW]

Free Software [NEW]

★ 🔒 **home** | Page ▼ | Discussion | History | Notify Me | 🔒 PROTECTED

SOUTH AFRICAN SCHOOLS WIKI

Welcome to the WIKI schools page for South African Teachers. Started 16 May 2011 to populate. | **PLEASE NOTE:** We have found that Firefox 4⊞ is much faster than Internet Explorer 8 and that you cannot see the highlighted changes when you compare the history. In FireFox you can (latest 4.0.1 version) see the changes. We are not sure whether Internet Explorer 9 (new version) will be OK, but you can inform us!

A PowerPoint on WIKI's: Click here --> 📄 Wiki DOE 16 May 2011 Presentaion.pptx

What is a WIKI? Click and watch the short video clips below.

[YouTube video] ▶ 🔊 ⬤――――

[YouTube video] ▶ 🔊 0:00 / 0:00 ⬤――――
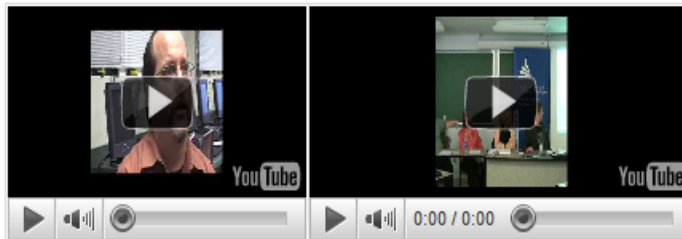
Please contribute and share any interesting links to online worksheets, videos, pictures, etc. In fact, anything that could be useful to teachers can be added.

Our aim:

- To provide an online tool where teachers can share/add online worksheets, videos, pictures, etc.
- To provide a platform where teachers can even discuss ideas or concerns
- To provide a platform where teachers can post ICT lesson plans/ideas for lessons that other teachers can access and try out

The success and quality will be depending on the contributions of the online community.

Please spread the word and let us start building a useful tool to the benefit of all.

Contact: andre.duplessis@nmmu.ac.za⊞ if you need help. Andre is a lecturer at the Nelson Mandela Metropolitan University. His passion is ICT Education: Empowering teachers and learners using ICT resources. You may also contact Dr Drik Greeff of the Eastern Cape Education Department drik.greeff@gmail.com⊞

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'Empowering teachers & Learners'

Grade 9

| Page ▾ | Discussion | History | Notify Me |

EDIT

Grade 9

Click below to be taken to the appropriate subject page. Then add and edit: CONTRIBUTE!!

Mathematics

Science

[Social Science](Social-Science)

Technology

[Life Orientation](Life-Orientation)

[Economical Sciences](Economical-Sciences)

[Arts & Culture](Arts-Culture)

[English Home Language (1st Language)](English-Home-Language)

[English Additional Language (2nd Language)](English-Additional-Language)

[Afrikaans Home Language (1st Language)](Afrikaans-Home-Language)

[Afrikaans Additional Language (2nd Language)](Afrikaans-Additional-Language)

Xhosa

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Grade 9 Science

Page ▾ | Discussion | History | Notify Me

EDIT

Grade 9 Science

Add your content or links to content, videos, worksheets, etc here. Please provide descriptions too. You can add, edit the language, descriptions etc. of anyone.

Organise it the way you want it. Anyone can change and contribute.

Science online PowerPoints

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Links to computer lessons   Page ▾   Discussion   History   Notify Me

🔒 PROTECTED

Join this Wiki
Recent Changes
Manage Wiki
Search ➡

Homepage

Grade R
Grade 0
Grade 1
Grade 2
Grade 3
Grade 4
Grade 5
Grade 6
Grade 7
Grade 8
Grade 9
Grade 10
Grade 11
Grade 12

Office Manuals for download [NEW]

Wikispaces Help Section [NEW]

Education Departemental News [NEW]

ICT links [NEW]

Links to computer lessons

Other interesting stuff [NEW]

Free Software [NEW]

Computer Lesson Links

You can post here any links to computer based lessons/computer lesson plans, etc. You may also post these links in the Grade Sections under the appropriate Subjects.

Wikis in the classroom and oter Wiki related stuff: Wikis in the classroom

Below are links for Learning Areas/Subjects in the Primary School with PowerPoint Presentations that can be usd in the classroom. Download and use:

PowerPoint Resources

PowerPoint Resources for teachers 1

PowerPoint Resources for teachers 2

PowerPoint Resources for teachers 3

PowerPoint Resources for teachers 4

41 Websites for Teachers to Integrate Tech into Your Classroom: Click here

Advantages of making online resources available

- Teachers can use existing online resources *"as is"* OR
- Teachers can edit them and repost them for others to use
- Teachers can share their reflections after they have used a resource
- Teachers can ask for assistance: All members see requests

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ADVANTAGES OF WIKIS

- Wikis end the waste of 'flying' emails and communication breakdowns-- wikis literally get everyone "on the same page"
  http://www.wiki.com/whatiswiki.htm
  http://wikiatuni.wikispaces.com/Advantages+and+Disadvantages+of+Wiki

- Anyone can edit / add / reflect / contribute

  ❖ The building blocks of wikis are the "comments" from visitors

- Easy to use and learn:

  ❖ If you can use Microsoft Word, you can use a Wiki

  ❖ If you can GOOGLE, copy, paste: THEN you can contribute

- Wikis are instantaneous so there is no need to wait for a publisher to create a new edition or update information

- Wiki has no prearranged structure - it is a flexible tool which can be used for a wide variety of applications.

- People located in different parts of the city/province/world can work on the same document – 'stuff' = This builds a community of learners/teachers.

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- The wiki software keeps track of every edit made and it's a simple process to revert back to a previous version of an article
- Widens access to the power of web publishing to non-technical users
- Flexible tool which can be used for a wide range of applications
- Wide range of open source software wiki's to choose from
  - Cost minimal (**FREE** with wikispaces.com)
- It provides opportunities for "**active-learning**" activities in the classroom.
- A wiki opens the door to
  - Experts and
  - Shy silent types that do not like to speak, but that would contribute online [increasing creativity, expertise, and productivity]

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So, is it 'better' than EMAIL?

- WHY or WHY NOT?
  - ❖ Easier to follow the progress
  - ❖ Can see everything at once
  - ❖ Can be restored if accidently deleted

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DISADVANTAGES OF WIKIS

- Anyone can edit so this may be too open for some applications, for example confidential documentation …

  ❖ Possible to regulate user access.

- Open to SPAM and Vandalism if not managed properly…

  ❖ There are easy ways to restore a page however

- Requires Internet connectivity to collaborate

- The flexibility of a wiki's structure can mean that information becomes disorganised…

  ❖ As a wiki grows, the community plans and administers the structure collaboratively.

- Students become **easily distracted** and use the computers for purposes other than course-related activities.
  http://www.wiki.com/whatiswiki.htm
  http://wikiatuni.wikispaces.com/Advantages+and+Disadvantages+of+Wiki

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50 Ways to Use Wikis for a More Collaborative and Interactive Classroom

- The main categories …
  - ❖ Resource Creation
  - ❖ Student Participation
  - ❖ Group Projects
  - ❖ Student Interaction
  - ❖ For the Classroom
  - ❖ Community
  - ❖ Other

http://www.smartteaching.org/blog/2008/08/50-ways-to-use-wikis-for-a-more-collaborative-and-interactive-classroom/

Click here to skip next slides

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Resource Creation

- **Create presentations**: Instead of using traditional presentation software, put presentations on a wiki.

- **Write a Wikibook**: Make it a class project to collaboratively write a reference book that others can use.

- **Study guides**: Ask students to create study guides for a specific part of the unit you're studying.

- **Readers' guides**: Have your students create readers' guides to share their favorite and most important parts of works you've read in class.

- **Solving wiki**: Post difficult math problems, such as calculus, so that the class can collaboratively solve them.

- **Glossary**: Get your class to create a glossary of terms they use and learn about in new units, adding definitions and images.

- **Class encyclopedia**: Ask your class to create an "encyclopedia" on a topic, adding useful information that can be built upon through the years.

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Student Participation

- **Exam review**: Encourage students to share review notes and other helpful pieces of information on your classroom's wiki.

- **Peer review**: Allow students to draft their papers in a wiki, then ask other students to comment it.

- **Correction competition**: You can post a document riddled with mistakes, then have students compete to see who can fix the most errors fastest.

- **Peer editing**: Ask students to edit each others' work for spelling, grammar, and facts based on a style guide or rules you've defined.

- **Vocabulary lists**: Encourage students to submit words that they had trouble with, along with a dictionary entry.

- **Share notes**: Let your students share their collective information so that everyone gets a better understanding of the subject.

http://www.smartteaching.org/blog/2008/08/50-ways-to-use-wikis-for-a-more-collaborative-and-interactive-classroom/

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Group Projects

- **Organize ideas**: Allow group members to post their ideas in a wiki, and you'll cut down on duplicate ideas, while at the same time allowing them to build upon the ideas.

- **Fan clubs**: Start fan clubs for your students' favorite figures from history and ask them to contribute their favorite quotes, photos, and other tidbits together.

- **Track projects**: With wikis, it's easy for students to see which tasks have been completed and which ones still need to be fulfilled.

- **Track participation**: Assign a wiki page to a group project, and then individual pages for each student to show their participation.

http://www.smartteaching.org/blog/2008/08/50-ways-to-use-wikis-for-a-more-collaborative-and-interactive-classroom/

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Student Interaction

- **Mock-debate**: Pit two class candidates against each other and perform a debate on your wiki.

- **Multi-author story**: Start a creative writing unit, and get your students to write a short story together, each writing a small amount of the story.

- **Choose your own adventure story**: A twist on the multi-author story could be a choose your own adventure story, where each student branches out into a different path.

- **Share reviews**: Post articles for different movies, books, and TV shows, encouraging students to share what they though about them.

- **Literature circles**: Host a book club on your wiki where students are required to read the same book, then discuss it on the wiki.

http://www.smartteaching.org/blog/2008/08/50-ways-to-use-wikis-for-a-more-collaborative-and-interactive-classroom/

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For the Classroom

- **Classroom FAQ**: Make it a class project to create an FAQ for your classroom that will help new students and those that will come in years later.

- **Classroom scrapbook**: Share news, photos, and current achievements in your classroom on a wiki page.

- **Classroom newspaper**: Create your own news outlet on a wiki.

- **Hall of fame**: Highlight students' exceptional achievements on the wiki.

- **Classroom policies**: Encourage students to draft rules and policies for the classroom.

http://www.smartteaching.org/blog/2008/08/50-ways-to-use-wikis-for-a-more-collaborative-and-interactive-classroom/

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Community

- **Recipe book**: Ask students to bring in their favorite recipes from home, then share them with parents and the rest of the community.

- **International sharing**: Collaborate with a class from another country and share information about your culture, or even a day in the life of a typical student.

- **Local history**: Document historical buildings, events, and more from our community. You can ask students to perform interviews, and encourage parents and other adults to contribute their knowledge in the wiki.

- **Community FAQ**: Ask students to create an FAQ for their community, then pass it on to your next group of students.

- **Community nature guide**: Have your students collect highlights of plants and animals in your community.

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Other

- **Track assignments**: If you ask students to put their research on wikis, you can check in on their progress to make sure they're on the right path.

- **Teacher collaboration**: Work with other teachers to create lesson plans and track students' success.

http://www.smartteaching.org/blog/2008/08/50-ways-to-use-wikis-for-a-more-collaborative-and-interactive-classroom/

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LET US THINK NOW …

- How can teachers use it to the advantage of themselves & their learners?
- How can the DOE use it?

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THINK: Usage of WIKIS

- How could teachers use it among themselves? SHARE & REQUEST (ASK)
  - ❖ Share video (youtube) links
    - ➢ Discuss or share how they implemented the video(s) or clips in their classrooms
    - ➢ Reflect & Share: Successes & What other teachers should 'watch-out' for
  - ❖ Share lesson plans
    - ➢ Discuss or share how they implemented the lesson in their classrooms
    - ➢ Reflect & Share: Successes & What other teachers should 'watch-out' for
  - ❖ Share tests
  - ❖ Share/Post links to anything interesting
    - ➢ Documents, worksheets, resources of any nature
  - ❖ Discuss aspects
    - ➢ Discussion option

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So what is our greatest barrier?

Address the Greatest Barrier: **OURSELVES!! Our THOUGHTS & DOINGS**

"The secret to learning new things is to be willing to unlearn, even if your behaviors previously brought success" [Marcia Conner]

"And this is very hard and uncomfortable for many"

We don't want to change or unlearn!!

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PRACTICAL IMPLEMENTATION

- **Practical presentation of the Wiki [http://ictschools.wikispaces.com]**
  - ❖Present how it works by using a Data Projector: Edit option (10 minutes)
- **Exploration of** http://ictschools.wikispaces.com
  - ❖In Groups of 2: Exploring the Wiki [10 minutes]
- **Exploration of** http://ictschools.wikispaces.com **and adding content**
  - ❖Groups of 2: Searching for items to add to the Wiki, adding the items [30-40 minutes]
- **Creating your own WIKI**
  - ❖Facilitator: Creating your own classroom Wiki [10 minutes]
  - ❖Individually: Creating your own classroom Wiki [15 minutes]
- **Complete short online questionnaire**
  - ❖Attendees complete online survey about their experiences of the day [20-25 minutes]
- **The Road Ahead?**
  - ❖Questions and the Way Forward [10 minutes]

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PRACTICAL PRESENTATION OF THE WIKI

- **Practical presentation of the Wiki [http://ictschools.wikispaces.com]**
  - ❖ Present how it works by using a Data Projector: Edit option (10 minutes)

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HOW TO … in Wikispaces

Joining the Wiki & Sending invites to others to join and contribute

- Facilitator shows (5 minutes)
  - How to JOIN and Sign in
  - How to invite others

- Attendees (5 minutes)
  - Join
  - Invite others

Edit Bar

Colour Fonts & Formatting

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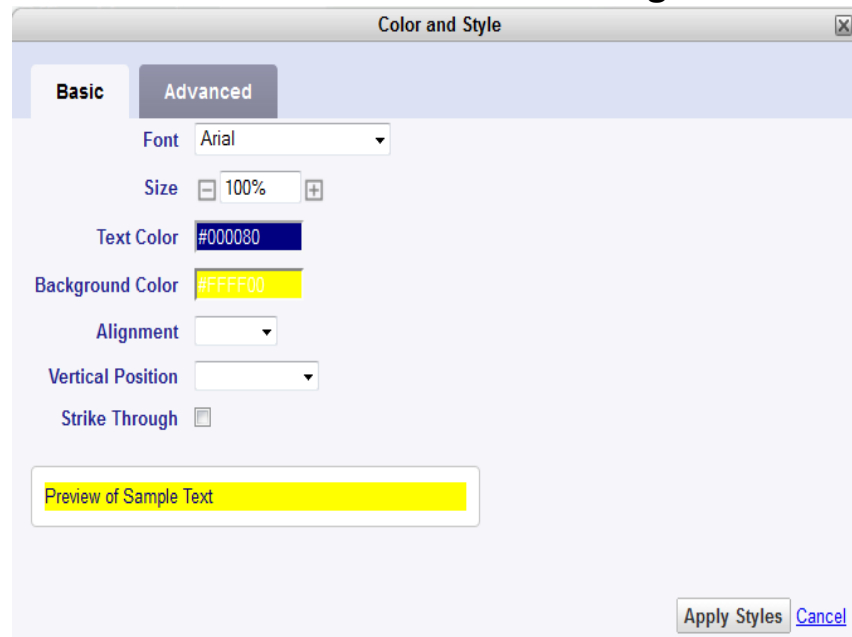
Inserting a link to a page in the Wiki

Inserting an External link to a web address

Inserting and Uploading files

Inserting Youtube links and other stuff

Exploration of http://ictschools.wikispaces.com

- **Exploration of** http://ictschools.wikispaces.com
  - ❖In Groups of 2: Exploring the Wiki [10 minutes]

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Exploration of http://ictschools.wikispaces.com and adding content

- **Exploration of** http://ictschools.wikispaces.com **and adding content**
  - ❖ Groups of 2: Searching for items to add to the Wiki, adding the items [30-40 minutes]

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The Road Ahead?

- **What is your feeling about the Wiki?**
- Would you be interested in this for your learners too?
- Do we need more follow-up sessions?
  - ❖ What purpose? When?

- **The Road Ahead?**
  - ❖ Questions and the Way Forward [10 minutes]: What is your feeling?

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Complete short online questionnaire

- **Complete short online questionnaire**
  - ❖ Attendees complete online survey about their experiences of the day [20-25 minutes]

www.nmmu.ac.za/wikidup1

NEXT SLIDE IF TIME PERMITS

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Creating your own WIKI

- Would you be interested in this for your learners too?

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How can learners and teachers use Wikis?

- Click here to go to this section above

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END