



Initiative for Technology Empowered Education

...Obliterating barriers to technology driven communities

GOOGLING BEYOND SEARCH...

EMPOWERING
NEW GENERATION
TEACHERS AND LEARNERS
WITH



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHAT IS GOOGLE APPS?

- A service from Google providing independently customizable versions of several Google products under a custom domain
- A suite of applications that allows you and your students to become more efficient and productive and to collaborate, edit and and publish their work
- A hosted service that lets businesses, schools, and institutions use a variety of Google products on a unique domain.
 - - Gmail
 - -Google Docs
 - -Google Calendar,
 - -Google Talk
 - Google Sites
 - Blogger
 - -etc etc
 - Free for educational institutions
 - £33 per user per year for business.

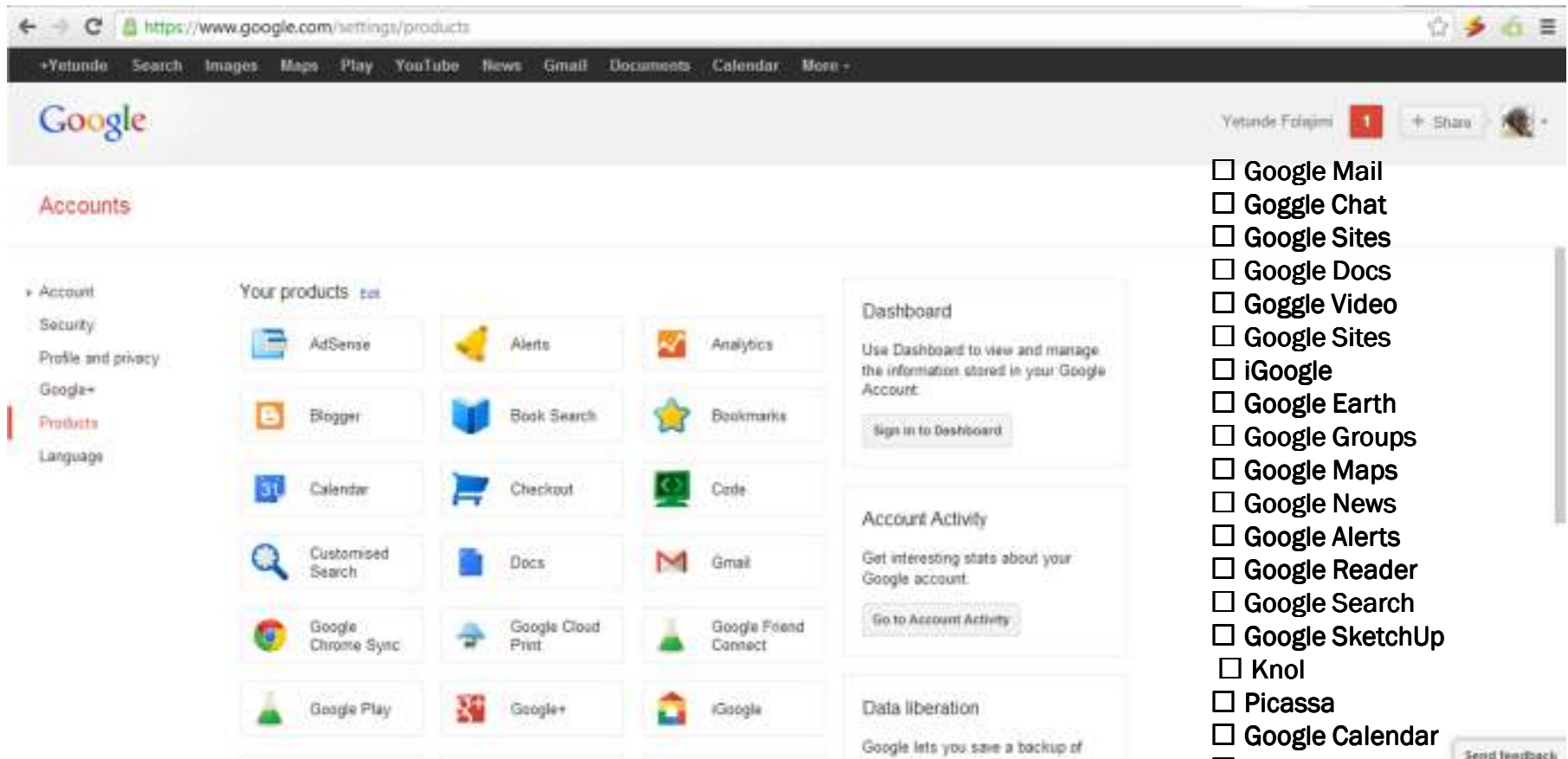


Googling beyond search: empowering new generation teachers and learners with google apps



Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan

GOOGLE APPS



- ☐ Google Mail
- ☐ Google Chat
- ☐ Google Sites
- ☐ Google Docs
- ☐ Google Video
- ☐ Google Sites
- ☐ iGoogle
- ☐ Google Earth
- ☐ Google Groups
- ☐ Google Maps
- ☐ Google News
- ☐ Google Alerts
- ☐ Google Reader
- ☐ Google Search
- ☐ Google SketchUp
- ☐ Knol
- ☐ Picassa
- ☐ Google Calendar
- ☐ Blogger
- ☐ Google Translate

Googling beyond search: empowering new generation teachers and learners with google apps



Dr Yetunde Folajimi *FBCS*
Department of Computer Science
University of Ibadan

GOOGLE APPS FOR EDUCATION

- A suite of communication and collaboration tools provided by Google
- Consists of Email, Docs, Calendar, Sites and Video,
- Can replace some existing systems in schools
- Contribute to significant cost savings, allowing students and staff to access their information from any device with internet access
- Example:
 - All staff share one calendar, onto which important events can be added.
 - Another calendar is created for parents and embedded within the school website
 - several students work on a group project at once and teachers assess pupils' work as they complete it.

Googling beyond search: empowering new generation teachers and learners with google apps



Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan

GOOGLE TOOLS FOR THE CLASSROOM

Book Search

Docs

Earth

Groups

Maps

Page Creator

News

Picasa

iGoogle

SketchUp

Web Search

Google Apps Education Edition

Blogger

Custom Search Engine

Calendar

Google Notebook

Google translate

Googling beyond search: empowering new generation teachers and learners with google apps



Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan

GOOGLE APPS USAGE

TEACHERS:

- Collaborate with colleagues using Google Talk
- Sign up for computer lab or library
- Use Gmail or Google Docs to collect assignments online

STUDENTS:

- Collaborate with classmates using Google sites
- Make presentation with Google Docs
- Keep organised using Google calendar

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



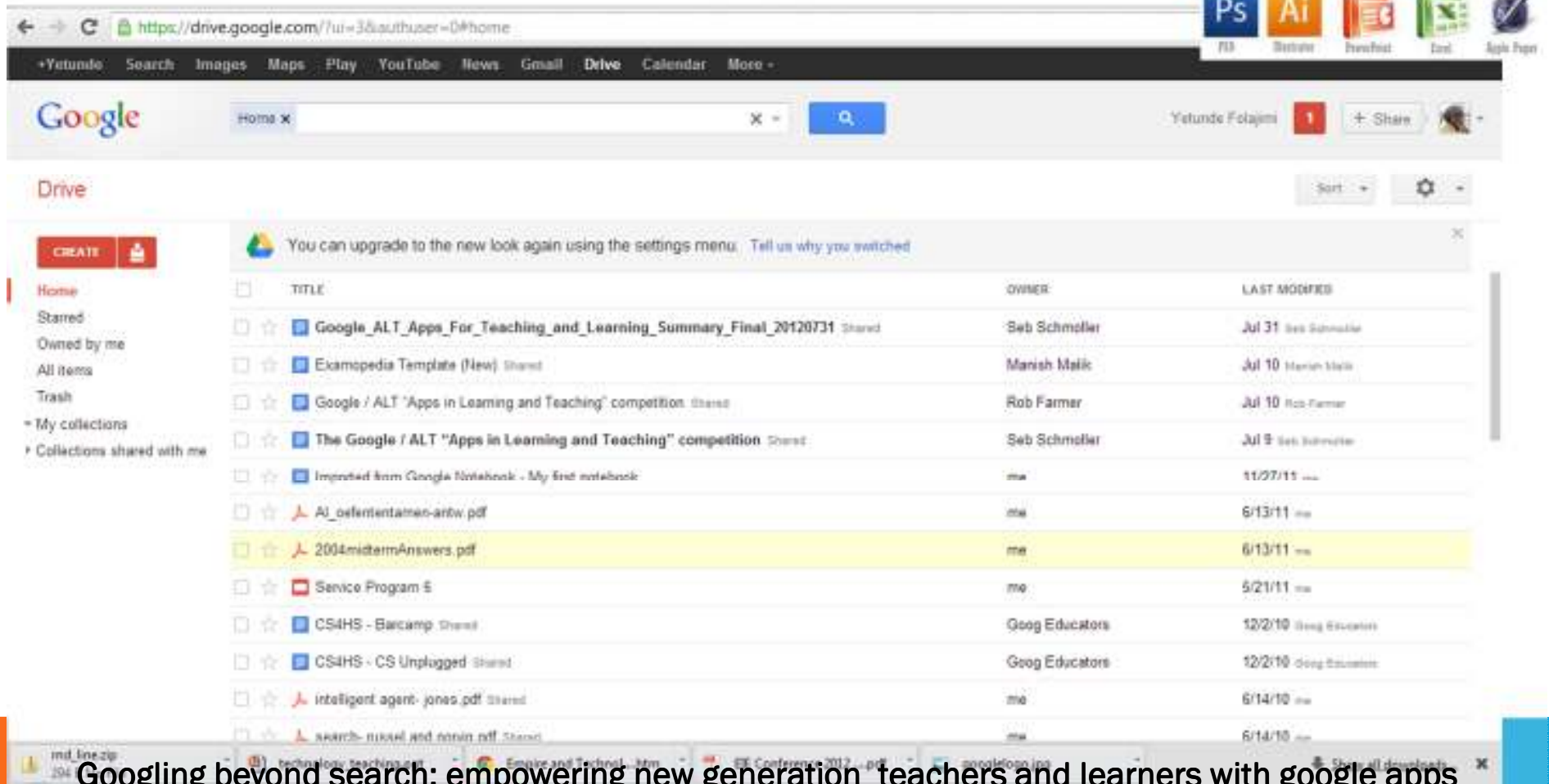
- **Free online word processor**
 - word processing documents, spreadsheets,
 - forms (you can create easy surveys),
 - Presentations
 - Import and export variety of file types
 - Share and publish files
 - Open files sent from Gmail directly in google docs and spreadsheets
- **Why Google Docs?**
 - write, edit, revise, publish
 - centralized
 - timely
 - Version history
 - familiar layouts
 - authentic writing process (through writing, review, editing, and revising)
 - world audience

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

GOOGLE DOCS INTERFACE



The screenshot displays the Google Drive web interface. At the top, the Google logo is visible, followed by a navigation bar with links to various Google services. Below this, the Drive interface shows a sidebar on the left with options like 'Home', 'Starred', 'Owned by me', 'All items', 'Trash', 'My collections', and 'Collections shared with me'. The main area displays a list of files and folders, including 'Google_ALT_Apps_For_Teaching_and_Learning_Summary_Final_20120731', 'Examopedia Template (New)', 'Google / ALT "Apps in Learning and Teaching" competition', 'The Google / ALT "Apps in Learning and Teaching" competition', 'Imported from Google Notebook - My first notebook', 'AI_oferentatamen-antw.pdf', '2004midtermAnswers.pdf', 'Service Program 5', 'CS4HS - Barcamp', 'CS4HS - CS Unplugged', 'intelligent agent- jones.pdf', and 'search- mikael and nathan.pdf'. A notification banner at the top of the file list states: 'You can upgrade to the new look again using the settings menu. Tell us why you switched'.

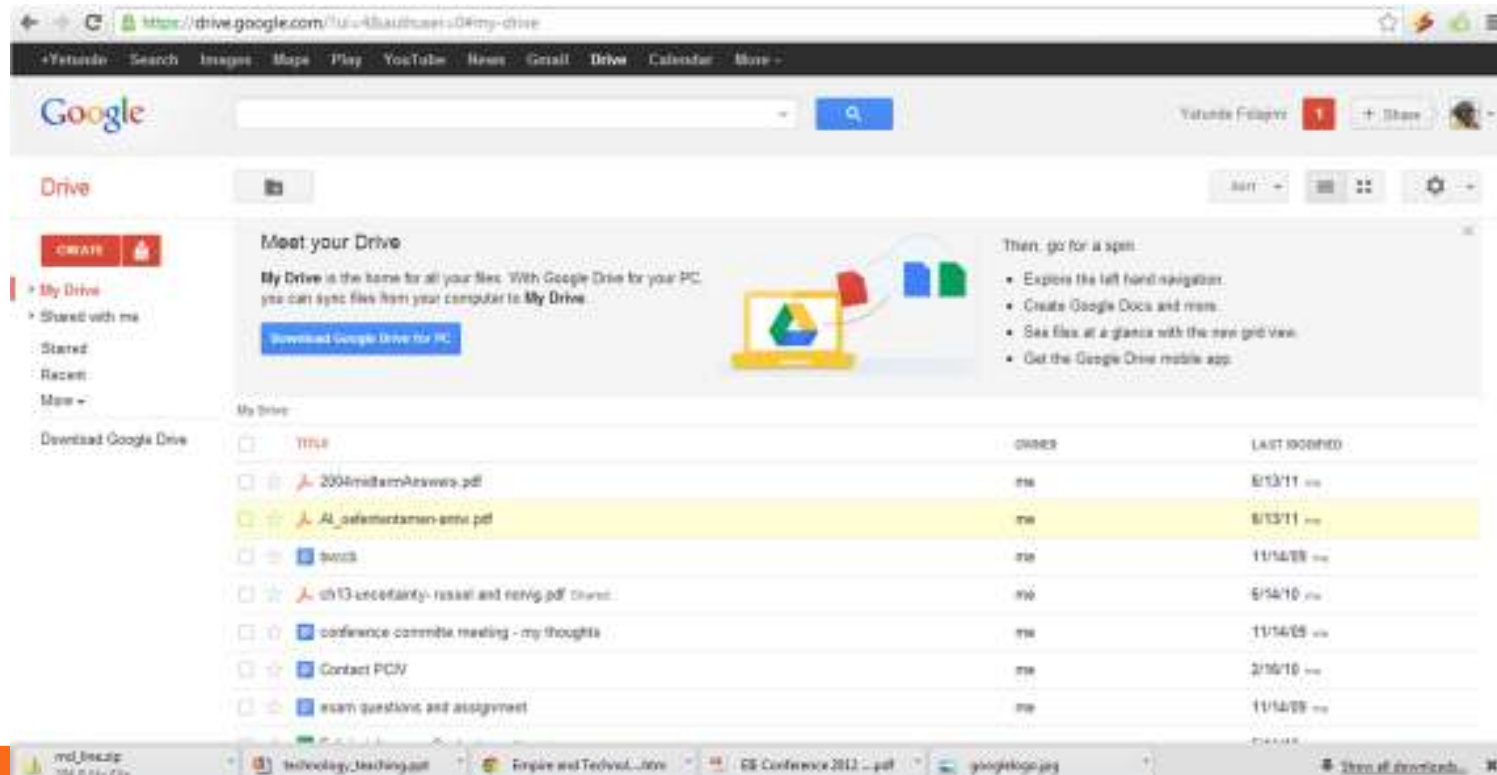
Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

GOOGLE DRIVE

Recently upgraded to Google Drive



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY GOOGLE DOCS?

- Individual writing assignments
- Collaborative writing projects
- Turn emails/attachments into Google docs
- Share rubrics with students
- Work together online and avoid attachments
- Students can:
 - work on their files from any pc
 - get instant feedback
 - publish papers and presentations to an authentic audience
- Teachers can
 - provide timely feedback to stds at any point
 - collaborate with colleagues (material/assessment)
 - publish handouts for stds and parents



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

TIPS FOR SUCCESS



- get in the habit of using Google docs yourself.
- Require students to use Google docs in most of your writing assignments.
- Have them share the Google doc with you.
- Require them to name the file with conventions that will help you identify their work quickly and easily and then put all student work in the same Google Docs class folder

[Explore my Google Drive](#)

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- a collaborative website (known also as a wiki) that currently can be private or public for teachers and private or viewable to domain name holders or for students.
- In the past we've been relegated to using some of the free, web-based wikis, such as pbwiki, wikispaces, or wetpaint
 - we don't know how long they will be around or how they will be maintained.
- Google Sites provides a website, wiki, and a constantly developed resource that **SHOULD** be stable and reliable.

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY GOOGLE SITES?



- You already have it!
- No specialized skills
- Collaborate
- Customizable
- Easily Updated
- personalized home page
- at-a-glance access to key info
- educational gadgets
- easily removed/ added
- Dependable
- create course website quickly
- include subordinate pages to each unit
- share documents, videos, calendars, charts and other information all in one place
- offers control over who has access

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY GOOGLE SITES?



- **Students can**
 - manage a to-do list for their assignments
 - create a personal portfolio of their work
 - collaborate and share ideas for group work and peer tutoring
- **Teachers can**
 - create a class page
 - allow stds to create pages
 - include tutorial videos
 - collaborate with other teachers/ school-wide projects
 - manage international projects

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

IDEAS FOR GOOGLE SITES IN YOUR CLASSROOM



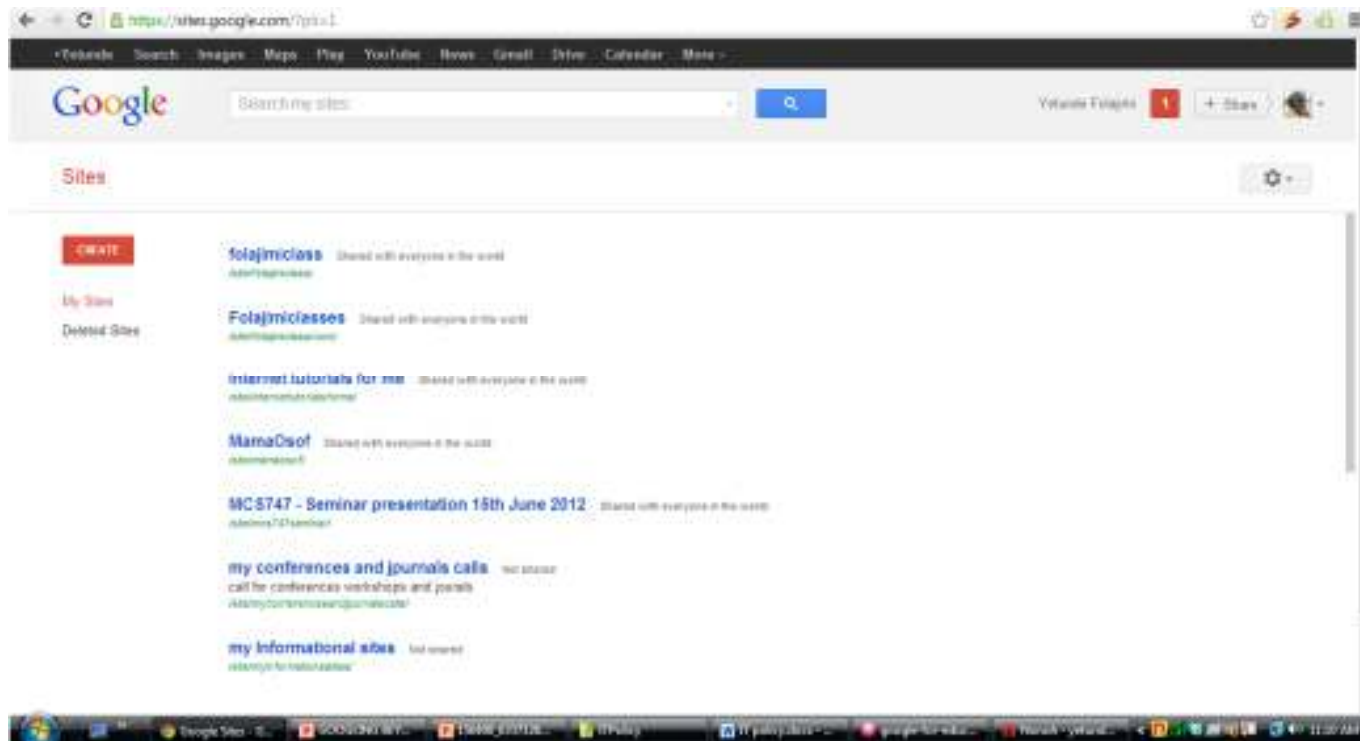
- Collaborative class book
 - create and host a collaborative class book that is published and public
- Group research site
 - Use Google Sites as a place for all students to collect, sort, and evaluate research
- Student portfolios
 - Host student portfolios, where students design and post their original work throughout your program, ending with a rich resource. Google Sites allows the embedding of all sorts of material, and students could include many types of digital media on their site.
- Course website
 - Students help to build course, incorporating student ideas into your course design and development

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

GOOGLE SITE EXAMPLE



<https://sites.google.com/site/folajimiclass/>

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- A free, web-based powerful blogging application by Google
- blogs are personal journals, online micro-publications, that allow writers to explore writing, invite comments, and begin to develop a voice.
- Since students are already using a lot of Google tools, they might find the simple sign-in process and access to blogger very convenient.



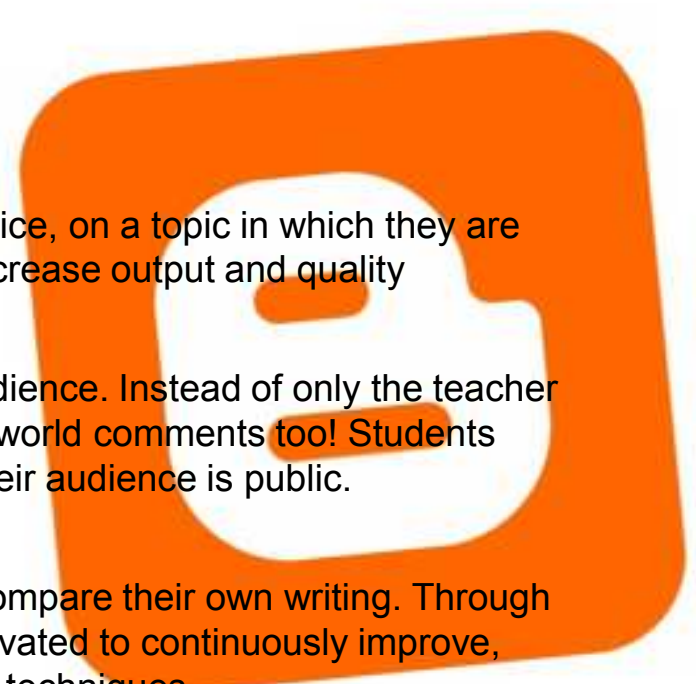
Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

Why Blogger?

- **Authentic voice/personal interest**
 - Blogs can help our students write in an authentic voice, on a topic in which they are truly interested. Writing from their interests might increase output and quality
- **Public audience**
 - Blogging is public and viewable by a world-wide audience. Instead of only the teacher reading student work, now the world does. And the world comments too! Students might be more motivated to write their best when their audience is public.
- **Self-assess**
 - Through reading classmates' blogs, students can compare their own writing. Through this type of self-assessment, learners might be motivated to continuously improve, getting ideas from better writers, and trying out new techniques.
- **Quick, easy, professional, slick**
 - Super-quick and easy to set up and might provide just the right amount of motivation for a student to start writing.
- **Habit-forming**
 - Once they see how easy it is to write one post, students might be encouraged to keep writing. It could become habit-forming.



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

Why Blogger?

- Students can
 - keep a reflective learning journal
 - post messages, photos, videos
 - share schoolwork
- Teachers can
 - post resources, assignments, homework, lessons
 - keep parents updated
 - reflect on their teaching practices
 - follow stds progress
 - share ideas with other educators
 - organize project work



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBSC
Department of Computer Science
University of Ibadan*

IDEAS FOR BLOGS IN YOUR CLASSROOM

- Collaborative class blog
- Individual student blogs
- Podcast platform, using Blogger to post audio files and create feed to podcasts
- Getting started:
 - Go to <http://blogger.com> and login or create an account
 - Great tutorials on the Blogger site
 - Watch how fast and easy it is to create a blog
- Note:
 - Blogspot have to be used with Blogger, but Blogger doesn't have to be used with Blogspot. However, both are designed to work together in providing free blogging experience for their users.



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBSC
Department of Computer Science
University of Ibadan*



- Personalised home page
- At a glance access to key information
- Educational gadgets
- Easily removed/added



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

iGoogle gadgets (themes selection)

- *"Framed Photo"* displays a series of photos
- *"GoogleGram"* creation of special daily messages
- *"Daily Me"* displays user's current mood and feelings
- *"Free Form"* allows the user to input text /images
- *"YouTube Channel"* displays videos from a YouTube channel,
- *"Personal List"* allows user to create a list of items
- *"Countdown"* countdown timer



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBGS
Department of Computer Science
University of Ibadan*

Why iGoogle?

- **Students can**
 - Stayed informed, news & events
 - Add gadgets: class calendars to-do lists encyclopedias & dictionaries
 - Create customized tabs for assignments, activities, personal interests
- **Teachers can**
 - unleash stds creativity by having them make their own gadgets
 - keep up-to-date with their blogs
 - plan/organize their instructional day
 - develop a custom tab to access their professional network

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- Free, downloadable
- combines satellite imagery, maps, 3D terrain, 3D buildings
- explore organizations (NASA, Discovery Education)
- explore species/ night sky



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBSC
Department of Computer Science
University of Ibadan*

WHY GOOGLE EARTH?

Students can :

- create tours of their school/community

- study climate change /effects of global warming

- track earthquakes in real time

- explore animal kingdom with national Geographic content

Teachers can:

- set the scene for various lessons

- adapt abstract lessons to the real world: interaction with real-time data

- explore night

<http://www.googlelitrips.com/>

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- allows users to start their own email discussion **groups/** message boards
- browse archives of *Usenet* **groups**.
- search or browse for information
- join a group
- join in on what others are talking about

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY GOOGLE GROUPS?

- **Students can :**
 - extend class discussion online
 - share ideas, store docs, organize web resources working on a team project
 - create a private group for school clubs/sports teams to share latest news, announcements, pix
- **Teachers can**
 - make class handouts, reading material, assignments, web links available for stds and parents
 - send email announcements to parents
 - centralize resources & communication

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

GOOGLE MAPS

- free web mapping service application
- <http://www.google.com/maps>
- It provides:
 - terrain maps
 - satellite imagery
 - photographic street views

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY GOOGLE MAPS?

- **Students can :**
 - keep track of class penpals
 - virtual tour countries (transportation/hotels/sight-seeing)
 - learn about plant/animal life by embedding info on habitats in maps
- **Teachers can:**
 - plan a field trip with stds
 - create a school map
 - teach historical events by embedding docs into interactive maps

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- makes news available in a single place
 - thousands of sources
 - browse top stories
 - search for a specific topic
 - personalize your news page
-
- <http://news.google.com/>

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY GOOGLE NEWS?

- **Students can**
 - compare and contrast events
 - find primary docs (+200 years)
 - access news from cells
- **Teachers can**
 - personalize their news page: stay informed
 - search news for particular story relevant to lesson
 - model for stds to examine bias and reliability

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- email updates of the latest relevant **Google** results (web, news, etc.) based on your choice of query or topic.
- **alerts** can be delivered via feed to **Google Reader** or to your **iGoogle** page

Google Alerts Manage your Alerts

ritazeinsteinjer@gmail.com | Settings | FAQ | Sign out

Alerts for ritazeinsteinjer.com

Sending HTML emails. [Switch to text emails](#)

Search terms	Type	Deliver to	How often	
<input type="checkbox"/> Mestl	News	Email	as-it-happens	edit
<input type="checkbox"/> Obama	Comprehensive	Email	once a day	edit

[Delete](#) [Send to](#) [New Alert](#)

Alerts for ritazeinsteinjer@gmail.com

Sending HTML emails. [Switch to text emails](#)

Search terms	Type	Deliver to	How often	
<input type="checkbox"/> education	Blogs	Feed  View in Google Reader	as-it-happens	edit

[Delete](#) [Send to](#) [New Alert](#)

Googling beyond search: empowering new generation teachers and learners with google apps



Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan



Six variations of alerts:

- news
- web
- blogs
- comprehensive
- video
- groups

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- feed aggregator, feed reader, news reader
- constantly checks your favorite news sites and blogs for new content.
- aggregates syndicated web content such as news headlines, blogs, podcasts, and vlogs in a single location for easy viewing.
- checks for new content at user-determined intervals and retrieves the update.

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY USE GOOGLE READER?

- **Students can :**
 - keep updated on current events and news
 - collect, annotate, share research for collaborative project
 - read items teacher shares for current assignments
- **Teachers can :**
 - keep track of stds blogs all on one page
 - read other educators blogs and follow best practices
 - share news articles with colleagues and stds using the “Shared items” feature (+ annotations!)

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBSC
Department of Computer Science
University of Ibadan*

<http://sketchup.google.com>

Google
SketchUp

- modeling software for 3D designs
- construct 3D models of buildings, trees, cars.



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY SKETCHUP?

- Students can
 - visualize geometry/ mathematical concepts
 - create model buildings
 - learn about architecture
 - design full scale 3D environments
 - share designs with others via web
- Teachers can
 - engage stds in the 3D world around them
 - recreate historical settings
 - Illustrate theoretical concepts

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

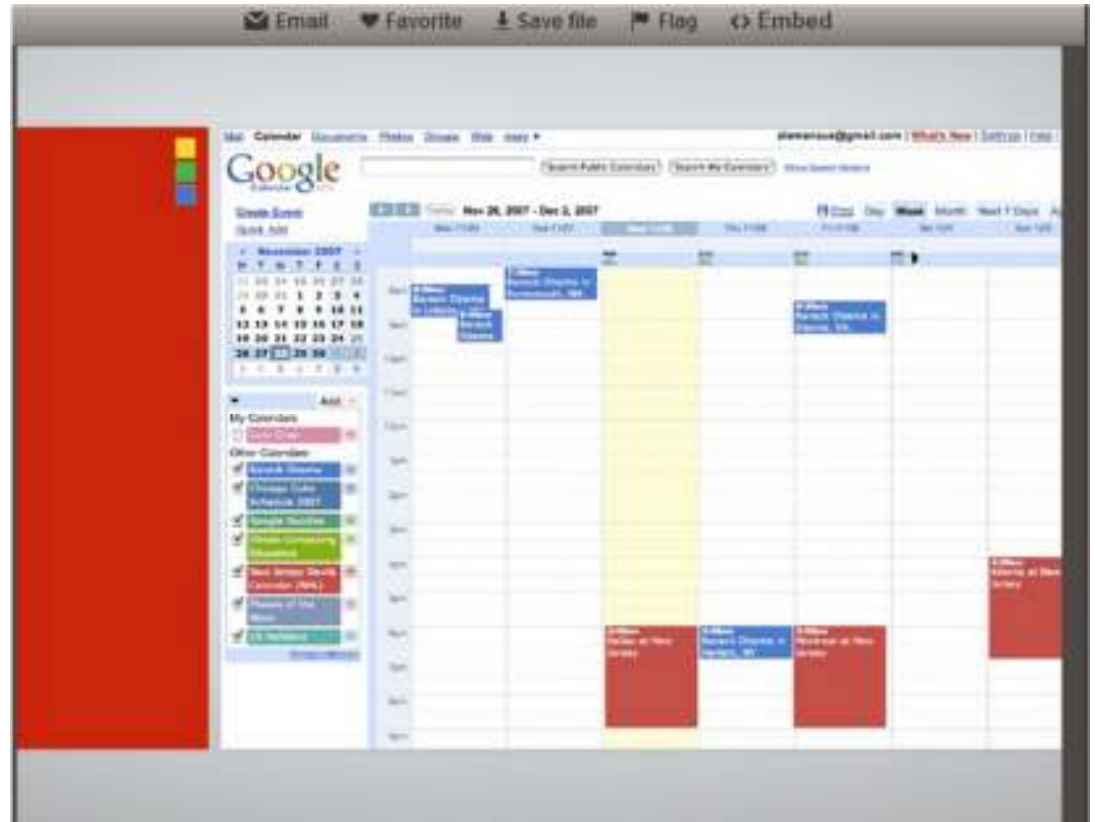
Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

GOOGLE CALENDAR

- Editable and sharable by multiple people
- Mobile
- keep track of all your life's important events in one place
- add events and send invitations
- share your schedule with friends and family
- Teachers can share class schedules and timetable with students
- search for events you might enjoy
- set up automatic event reminders



Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



- texts of scholarly literature: *scholars who have contributed to their fields over the centuries*
- includes most peer-reviewed online journals
- claims to cover more websites, journal sources and languages

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



<http://picasa.google.com/>

- organize, edit, share pictures
- locates pix and sorts them out into visual albums
- makes advanced photo editing simple
- allows photos to be uploaded easily
- access an online slideshow and download pix

http://www.youtube.com/watch?v=rskC6c_5L1M

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

WHY USE PICASA?

- www.picasa.google.com
 - Students can use it to:
 - organize/manage photos for projects/reports
 - quickly edit photos/images
 - share photos of school events
- Teachers can use it to:
 - create an album for each std
 - create a slideshow for open house ☐ share fieldtrips online

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

Google pack

http://pack.google.com/intl/en/pack_installer.html

Google Pack Get the most out of your PC English [Help](#)

Google Pack is:

- Software specifically selected by Google
- Always free - no trial versions or spyware
- Ready to use in just a few clicks



Choose only the software you want:

<input checked="" type="checkbox"/> Google Chrome Web Browser	<input checked="" type="checkbox"/> Google Earth
<input checked="" type="checkbox"/> Google Apps <small>Gmail, Calendar, Docs</small>	<input checked="" type="checkbox"/> Google Toolbar for IE
<input checked="" type="checkbox"/> Spyware Doctor	<input checked="" type="checkbox"/> Norton Security Scan
<input checked="" type="checkbox"/> Picasta	<input checked="" type="checkbox"/> Google Desktop
<input checked="" type="checkbox"/> Adobe Reader	<input checked="" type="checkbox"/> Google Photos Screensaver
<input type="checkbox"/> Google Talk	<input type="checkbox"/> Firefox with Google Toolbar
<input type="checkbox"/> RealPlayer	<input type="checkbox"/> Skype

Download now

System Requirements: Windows XP or Vista

Learn more about Google Pack Software

 <p>Google Chrome Web Browser</p> <ul style="list-style-type: none">• Make browsing the web faster, safer, and easier• Search from the address bar	 <p>Google Earth</p> <ul style="list-style-type: none">• Zoom from space to street level — tour the world• Find maps, driving directions, hotels, restaurants, and more
 <p>Google Apps</p> <ul style="list-style-type: none">• Use Google email, calendar, and document applications• Create, collaborate, communicate and	 <p>Google Toolbar for Internet Explorer</p> <ul style="list-style-type: none">• Search from any web page and autofill forms• Block annoying pop-ups

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



Google Apps Education Edition

Education Edition

[Product demos](#)

[Customers](#)

[What's included?](#)

[Why apps?](#)

[Contact sales](#)

[Help center](#)

Free email and collaboration tools for your school

New! Voice and video chat in Gmail. It's free and easy to have high quality audio and video conversations over the Internet. [See a demo](#)

Imagine how valuable it would be if your entire campus community — students, faculty, and staff — could share information and ideas more easily. With Google Apps Education Edition, you can start bringing that vision to life.

With Google Apps Education Edition you can rest easy with 24x7 support and no hardware or software to maintain.

Google Apps Education Edition is:

- 7 GB/4GB / account of email, shared calendar, and collaboration tools right from the browser
- Free with no advertising for students, faculty and staff
- Ready to integrate with many APIs and use of Open Standards
- Add-on security and compliance tools available at a 66% educational discount
- Google Video for education. [Learn more](#)

Get Apps for your
school

[or sign up to get started](#)



Watch the video



Ask questions and learn more in a
[discussion group](#)

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*

STRATEGIES

- Sign up for the Google Educator newsletter
- Join the Google Educator Community
- Concentrate on one tool
- Start with improving your own productivity
- Make generic student accounts for projects
- Advocate and educate in your district about the power of these tools

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*



© www.zeinstejer.com

Googling beyond search: empowering new generation teachers and learners with google apps



*Dr Yetunde Folajimi FBCS
Department of Computer Science
University of Ibadan*