



Implementation of Google Apps in School Districts using Professional Development

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Video Introduction

The screenshot shows a web browser window displaying a Google Sites page. The browser's address bar shows the URL: https://sites.google.com/a/hhsd.k12.nj.us/pd_technology/google-documents. The page header includes the text "Google Documents" and "Updated Jan 12, 2014, 4:25 PM".

The main content area features a dark red banner with the text "Haddon Heights School District" and "SERVING THE COMMUNITIES OF HADDON HEIGHTS, BARRINGTON AND LAWSIDE" above a school crest. Below the banner, the text "PD Technology" is displayed in a large, serif font. A search bar with the placeholder "Search this site" is positioned below the text.

A navigation menu is located below the search bar, with tabs for "Home", "Gmail", "Google Documents", "Google Forms", "Google Presentations", "Google Spreadsheets", and "Haddon Heights PD News Feed". The "Google Documents" tab is currently selected.

The main content area is titled "Google Documents" and contains the following text:

- Sign into the Google Spreadsheet by [clicking here](#).
- Enter your Last Name, First Name, School Building, Date, Google Documents (Under Google Application) & Start Time.
- Then begin your PD on Google Documents.

Below this text, a video player is visible with the title "Video #1: Creating Google Documents & Folders".

How it all started:

1 teacher introduced the faculty/staff to Google Applications on the 1st day of teacher in service in an Auditorium setting

A decent percentage of the faculty members had not had prior experience w/ Google before

The faculty/staff were told that they had 1 week to transition to Google Applications, primarily Gmail, before the old email system would not be used.

How it all started:

- I contacted the members of the administration where I was working and asked them what I should research for my capstone project & they told me to research “Google”
- They allowed me to distribute a Needs Analysis survey to the faculty/staff

Needs Analysis: Prior Experience



Highest response (60.71%): Gmail was used

2nd highest response (38.10%): “I have never used any Google Applications prior to this school year”



Other applications were not used prior to this school year by most participants.

Needs Analysis: Applications of Interest


- Google Presentations: 59.52%
- Google Documents: 58.33%
- Google Forms: 55.95%
- Google Spreadsheets: 44.05%
- Google Calendar: 41.67%
- Google Sites: 35.71%
- Gmail: 20.24%
- Other: 3.57%

Research Topics

- Technology Training for Faculty
 - Different studies that also supplied formats for technology integration
- Andragogy: Adult Learning
 - What type of learners will I be working with?
- Google Applications
 - What are the different Apps that they need to learn about?

Technology Training for Faculty




- Technology Literacy is now a basic skill for teaching
 - Well trained = can perform their procedures/tasks w/ little to no difficulty
 - Poorly trained = chaos
 - overwhelmed with the amount of work being placed on them
 - rapid changes lead to frustration and disinterest in the new tool/program
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Technology Training for Faculty



Advantages of proper training:

- Teachers feel confident & show their own classroom transformations
 - Teachers become more of a facilitator, as opposed to a lecturer
 - Students take more ownership of what they learn
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Andragogy: Adult Learning

1. Need to Know: Answer the questions Who? What? Where? When? Why? and How? for the learners
 - a. Video intro for each workshop & the reflection at the end tapped into this aspect
2. Self-directed: Adults learn best on their own by doing a task
 - a. In technology workshops, provide “practice time”
 - b. Add follow-up opportunities where they can just come into a computer lab & practice using the tools

Andragogy: Adult Learning

3. Experience: Adults attach more to hands-on experiences as opposed to listening and writing down notes.
4. Readiness: Need to see the point to the learning process
 - a. If they are interested, then they will learn
 - b. If they are NOT interested, then they will find other tasks to do (e.g. grading papers)

Andragogy: Adult Learning

5. Orientation: Problem centered learning
 - a. Need to see application of what they are learning
6. Motivation: Intrinsic Motivation
 - a. They need to see the point of what they are learning about to make themselves better
 - b. Should not be a “You have to learn this because we want you to” atmosphere

Google Applications

- Gmail
- Google Docs
- Google Presentation
- Google Spreadsheet
- Google Forms
- Google Calendar
- Google Sites



PD Workshops

Google Presentation in November

Most of the remaining Google Applications were covered at after school workshops & on PD days in February & March

- > Gmail
- > Google Docs
- > Google Forms
- > Google Spreadsheet

PD Workshops

46.43% interested in learning about Google Applications by “Viewing Video Lessons”, or “How To” videos

> Constructed a website of these videos and tasks that the faculty/staff members can complete on their own time:

https://sites.google.com/a/hhsd.k12.nj.us/pd_technology/

Results

- The members of the administration thought that the workshops & website were great, and efficient.
 - They encouraged me to keep adding more to the site.
 - Google Classroom was added in October 2014.

Follow-up Info

[12 Google Apps Adoption Tips for EDU](#)



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