Google Apps for Education

Supporting the 21st Century Learner

EDDL 5151 - Managing Your Technological Classroom

July 21, 2016

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Introduction to facilitator

Thank you for joining me this evening!

Joanne Leggett, facilitator
Google Apps For Education (GAFE)
GAFE Presentation Key Points:

★ 21st century learning
★ Rationale for using GAFE in your school
★ Student Learning
★ Privacy Considerations
★ Practical Applications:
  ○ Google Drive, Google Docs, Google Slides, Google Forms
  ○ Examples of other popular GAFE Apps, Extensions and Add-Ons
★ Benefits and Limitations of GAFE
★ Long-term Implications
21st Century Learning

“KNOW-DO-UNDERSTAND”
-BC Ministry of Education

BC Teachers’ Federation https://bctf.ca/IssuesInEducation.aspx?id=21932
21st Century Learning Skills

**WHAT ARE 21ST CENTURY SKILLS? THESE 4 C’S:**

- **C** **COMMUNICATION**: Sharing thoughts, questions, ideas & solutions
- **C** **COLLABORATION**: Working together to reach a goal. Putting talent, expertise, and smarts to work
- **C** **CRITICAL THINKING**: Looking at problems in a new way and linking learning across subjects & disciplines
- **C** **CREATIVITY**: Trying new approaches to get things done equals innovation & invention
Why use Google Apps For Education?

★ Do you have much background-knowledge about Google Apps for Education (GAFE)?

★ Do you have any experience with using GAFE in your school?
What is Google Apps For Education?

★ GAFE
★ Free for education
★ File Storage
★ Online productivity tools
★ Endless opportunities for student use
★ Easily Accessible
★ Collaborative
★ Functional
Rationale for using GAFE in your school:

★ Accessibility
★ Communication
★ Versatility
★ Customizable
★ Collaborative
★ Transferable (skills)
Student Learning

How can GAFE support and enhance student learning?
How can GAFE support student learning?

- Collaboration
- Student-driven approaches
- Supports mission of BC Ed Plan
- Inquiry-based learning
- Ease of use
- Current best practice
- Access to information
- Evaluation and assessment
- Student engagement
Inquiry-based learning

- Student learning is driven by students’ questions, ideas, and observations
- Evidence-based reasoning and creative problem-solving
- Teachers guide students forward in their inquiry process
- Teacher and student learning is key
Student Engagement and Motivation

➔ Autonomy
➔ Mastery
➔ Purpose
➔ Feedback
Privacy & Protection

- Monitored by School Administrator
- Filtering and content controls
- Use of ‘Walled Garden’
- Secure
- Ensures privacy
- Ad-free
- Family Educational Rights and Privacy Act (FERPA)
- Children's Online Privacy Protection Act (COPPA)
- Parental consent required
Introducing GAFE to your students?

If applicable, what was the process involved in setting up your school as GAFE school?
Core GAFE Services

The Google Apps for Education Core Services

Tools that your entire school can use, together

Classroom  Gmail  Drive  Calendar  Vault  Docs  Sheets  Slides  Sites  Hangouts
Google Drive

Free service that stores files online in the cloud

Includes free Apps used to create documents, spreadsheets, and presentations

Allows you to Share your files with others and Collaborate with others
Adding Apps via Google Play Store:
Available Applications used to create and share within Google Drive:

- **Documents**: For composing letters, flyers, essays, and other text-based files (similar to Microsoft Word documents)

- **Spreadsheets**: For storing and organizing information (similar to Microsoft Excel)

- **Presentations**: For creating slideshows (similar to Microsoft PowerPoint presentations)

- **Forms**: For collecting and organizing data

- **Drawings**: For creating simple vector graphics or diagrams
Google Docs (Word Processing)
Google Docs key features:

❖ Compatible with Microsoft Word
❖ Invite others to collaborate
❖ View revision history
❖ Download in various formats
❖ Translation feature
❖ Works with all GAFE services

YouTube video posted on my blog highlights some basic features: http://students.olblogs.tru.ca/jleggett/
Google Sheets (Spreadsheet)
Google Sheets key features:

- Spreadsheets
- Compatible with Microsoft Excel
- Invite others to collaborate
- Simple formatting tools
- Works with all GAFE services

YouTube video posted on my blog highlights some basic features: [http://students.olblogs.tru.ca/jleggett/](http://students.olblogs.tru.ca/jleggett/)
Google Slides

Google Slides key features:
❖ Compatible with Microsoft Powerpoint
❖ Invite others to collaborate
❖ View revision history
❖ Download in various formats
❖ Insert images/videos seamlessly
❖ Works with all GAFE services

YouTube video posted on my blog highlights some basic features:  http://students.olblogs.tru.ca/jleggett/
Can you share some other useful tips about Docs, Sheets or Slides?
Google Classroom (LMS)
Google Classroom - Learning Management System

- Increases organization
- Improves communication between teacher & students
- Paperless
- Works with all GAFE programs
Google Forms key features:
- Create surveys & tests
- Invite others to collaborate in real time
- Automatic save
- Collect information & responses
- Tracking discipline referrals (admin)
- Formative and summative assessment
- Works with all GAFE services
Google Hangouts key features:
- Free video call (Skype)
- Age restriction (safety precaution)
- Share student learning
- Connect with other classes
- Guest speakers
- Mystery Hangouts
Google Hangouts?

★ Have you ever participated in a Mystery Google Hangout or Mystery Skype session?
Google Calendar key features:

❖ Shared feature
❖ Accessibility
❖ Add a Google Hangout
❖ Attachments

● 16 Little-known Google Calendar Features That'll Make You More Productive: http://blog.hubspot.com/marketing/google-calendar-tips#sm.0018jotk016qff8crvh2qr5jyk5az
Google Maps key features:

- Satellite imagery
- 360° panoramic & Street views
- Social studies curriculum
- Brings mapping activities to life
Google Cardboard
Google Expeditions
Google Extensions (Add-ons)

Google Extensions key features:
- Enhance functionality of Chrome browser
- User downloads and installs

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Google Extensions
Google Extensions - Read & Write; Nimbus
There are a variety of Apps, Add-ons and Extensions available within the Google platform. Can you share other examples that you find essential to your teaching practice?

**15 Best Google Drive Add-Ons for Education:**

Benefits of GAFE

- Parents are informed (consent; access to sites)
- Revision history
- Self-paced learning
- Improved teacher-student collaboration
- Student engagement
- Supports BC Education Plan (Curriculum)
- Digital literacy skills
- Excellent Pro-D for staff
The GAFE Train

https://www.thinglink.com/scene/614609946171932673
Limitations and Considerations of GAFE

- Scientific research available
- Access to Google Summit training
- Teacher availability
- GAFE after Grad
- Location of device in the home
  - Monitoring homework
- Use of screen time
- Paper and pencil learning help with retention of learning
- Various learning styles
- GAFE account required (only for education institutions)
- School logistics (BYOD; wifi; computers)
- Access of students to technology
  - Subsidize internet access for low-income families (ACORN)
Long-term Implications

- Start small
- Impact on student learning
- Google For Life
This was a brief introduction to Google Apps For Education. I hope it entices you to try using this educational platform with your students.

Do you have any further questions or comments about GAFE?
THANK YOU for joining me for this online seminar!

KEEP CALM AND GAFE ON