White Bear Lake Shares Their Journey with Google Tools in the Classroom
White Bear Lake shares their journey with Google tools in the Classroom

January 14, 2015
2PM ET

Angela Mecca, Google for Education
Mark Garrison, Director of Technology, White Bear Lake Area Schools
Agenda

1. Introductions

2. Overview

3. Solutions for schools
   - Google Apps for Education
   - Devices
   - Google Play for Education

4. The story of White Bear Lake

5. Question & answer
60%
Prepare students for jobs that don’t yet exist
Connecting and discovering in ways we never thought possible
“Going Google means adopting a culture that extends beyond the classroom walls: it’s about openness, curiosity, and working together.”

– Jim Sill
Educator & Trainer
Visalia, California

Empowerment
Discover a world of infinite resources

Choice
Use the right device, anytime anywhere

Teamwork
Work together in real-time

Scalability
Affordable and easy to manage
Access to digital content empowers students and gives teachers the tools for individualized learning
Seamless and secure access across multiple devices gives students, teachers and administrators choice
Students and teachers use Google Apps for writing across multiple devices, so they can work together anytime, anywhere
Manage 4 devices or 40,000 all from a web browser
Google Apps for Education core services (for free)

- **GMail**: Keep everything and find it fast with search
- **Calendar**: Share schedules and calendars instantly
- **Groups**: Create and work in teams easily
- **Sites**: Make and manage your own sites
- **Drive**: Collaborate as you create
- **Classroom**: Send assignments and communicate with ease
- **Talk/Hangouts**: Text chat and group video calling for up to 15 people

40 million students, teachers, and staff use Google Apps for Education

Google confidential | Do not distribute
The new Drive for Education

Available to all Google Apps for Education users at no charge:

- **Unlimited storage**: all the storage you need, all the time, for free. Supports individual files up to 5TB in size.
- **Vault**: our solution for search and discovery for compliance needs
- **Enhanced Auditing**: reporting and auditing tools and an Audit API to see the activity of a file
- **End-to-end encryption** in transit and at rest
- **Full Quickoffice integration**: all file types supported
Chromebooks for Education

Get to lessons faster
Same experience everywhere
Easy to share
Safe and secure
A choice of devices that are at home in the classroom
Admin console for Google Apps

Centralized cloud-based management
Create & manage users
Create organizational units
Enable/disable certain Google Apps & adjust settings
Tablets with Google Play for Education
Designed for learning, made for the classroom

It’s never been easier to…
▪ Deploy
▪ Discover
▪ Deliver…
Teaching & learning resources
Pick the tablet that’s right for your students

- Nexus 7
- Samsung Galaxy Tab 4 Education
- ASUS Transformer Pad
- HP Slate 8 Pro
Each tablet supports personalized access for up to 5 students

- **Explore the full potential** of tablets in the classroom *before* deciding to invest in 1:1

- **Use the same tablets across multiple classes**, adding up to 5 unique student accounts to a single device

- **Each student gets personalized access** to their Google Apps, Docs, and the content shared with them through Google Play for Education.
Go easy on the IT department with simpler set-up and management

**Set up a classroom in minutes**
Give teachers access to a wide array of education tools for tablets and Chromebooks, all in one place: Google Play for Education

- Android apps
- Chrome apps
- K-12 books
Choose from thousands of educator-approved apps
Rent K–12 books, from classic literature to recent textbooks

Find books on Google Play for Education

Students can start reading on a tablet

And continue from any web browser

Publishers include:
Classroom gives teachers more time to teach & students more time to learn

Create & collect assignments
Assign Google Docs and automatically create a copy for each student. Students can turn in work directly from Docs.

Improve communication
Teachers can make announcements, start discussions and comment with students real time.

Stay organized
Classroom automatically organizes assignments in Drive folders. Students can see what’s due on the assignments page.
How We Got Here

White Bear’s Technology Journey - 2010 to present

Photo: Matt Skogen
Who we are

~8,900 students preK-12
Who we are

4 early childhood program locations
Who we are

8 elementary schools
1 IB World School
Who we are

2 middle schools - Chromebook 1:1 & IB World Schools
Who we are

1 two-campus high school
Make decisions based on what is best for learning rather than on availability or access.
2011
1:1 8th grade 2014
6th-12th by 2017

Change

Photo: Matt Skogen
1:1 Student Support

Tech Depot

White Bear Lake

Change
4 C’s

COMMUNICATION
COLLABORATION
CREATIVITY
CRITICAL THINKING

Change

@markgarrison
4 Cs

Communication
Collaboration
Creativity
Critical Thinking

Change

Felix kickt den Ball zu weit! Du läufst durch die Büsche um es zu finden. Du siehst den Ball. Plötzlich brecht der Boden ein, und du siehst ein großes Loch.

„Felix! Eva! Komm hier!“, du schriest: „Schau mal! Ich habe ein großes Loch gefunden!“

Felix und Eva kommen durch die Büsche. „Was sollen wir machen?“, fragt Eva aufgeregt.

**Erkundest du das Loch?**

oder

**Gehst du wieder ins Haus?**
Order of Operations

We are going to review Order of Operation Problems please write all answers in number format and round to the appropriate second decimal place.

Your username (mark.garrison@isd24.org) will be recorded when you submit this form. Not mark.garrison? Sign out

* Required

Name: *
Email Address: *

3×5+10÷2 *
Please Evaluate the Following Question

○ 22.5
○ 30
○ 12.5
○ 20

Continue >

Solving Using PEMDAS!

Unfortunately something was not done correctly in your evaluation of this expression. Remember we use PEMDAS to evaluate all expressions. Here is a video below to help remind you how to do order of operations. Please watch and do the following problems.

Solving PEMDAS Style:

20÷5×12÷4 *
Please Evaluate the Following Expression:

○ 4
○ 8
○ 12.25
○ 17

Continue >

Way To Go!

Congratulations way to get that one correct! Let's try a more difficult problem!

(4+8÷2)²×(3²+4²) *
Please Evaluate the Following Expression:

○ 59
○ 57
○ 31
○ 29

Continue >
The 4 C’s: Communication, Collaboration, Creativity, Critical Thinking

Change
4 C’s

Communication
Collaboration
Creativity
Critical Thinking

Change
Solar Energy

Use the slider bar to demonstrate sunlight over 24 hours.

Desertec - Solar Energy From The Sahara Desert Could Power The World - But Will It?

Change

@markgarrison
Global Water Usage (Responses)

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@JeanneAnderson1 MT I would have gone to bed earlier if I'd known we were doing 10x thinking today.

#isd624tech
4 C’s

Learning Spaces

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@markgarrison
2010 Technology Audit

2011 Strategic Plan

2013-2014 Technology Department Redesign

2014-present World’s Best Workforce
2011-present  Summer Tech Camp
2012-present  Instructional Technology Specialist
2014-present  1:1 Specific Training
2014-present  Chromebook Skills & Digital Citizenship
2011-2013 Instructional Technology Coaches
2012-2013 Competitive Technology Grants
2013-present Technology & Leadership Cohort
2011 Implemented Google Apps
2012 Redesigned District Website
2013-present Nexus 7’s & Google Play
2013-present 3400 Chromebooks - 1 : 2.3 Students

Photo: Matt Skogen
2010 - present Listening Sessions District-wide

2011-2012 Superintendent Technology Group

2013 - present Technology 4C’s Survey

2013-present Infrastructure Improvements

Action Plan
How We Got Here
White Bear’s Technology Journey - 2010 to present

Photo: Matt Skogen