Google Workplace Update
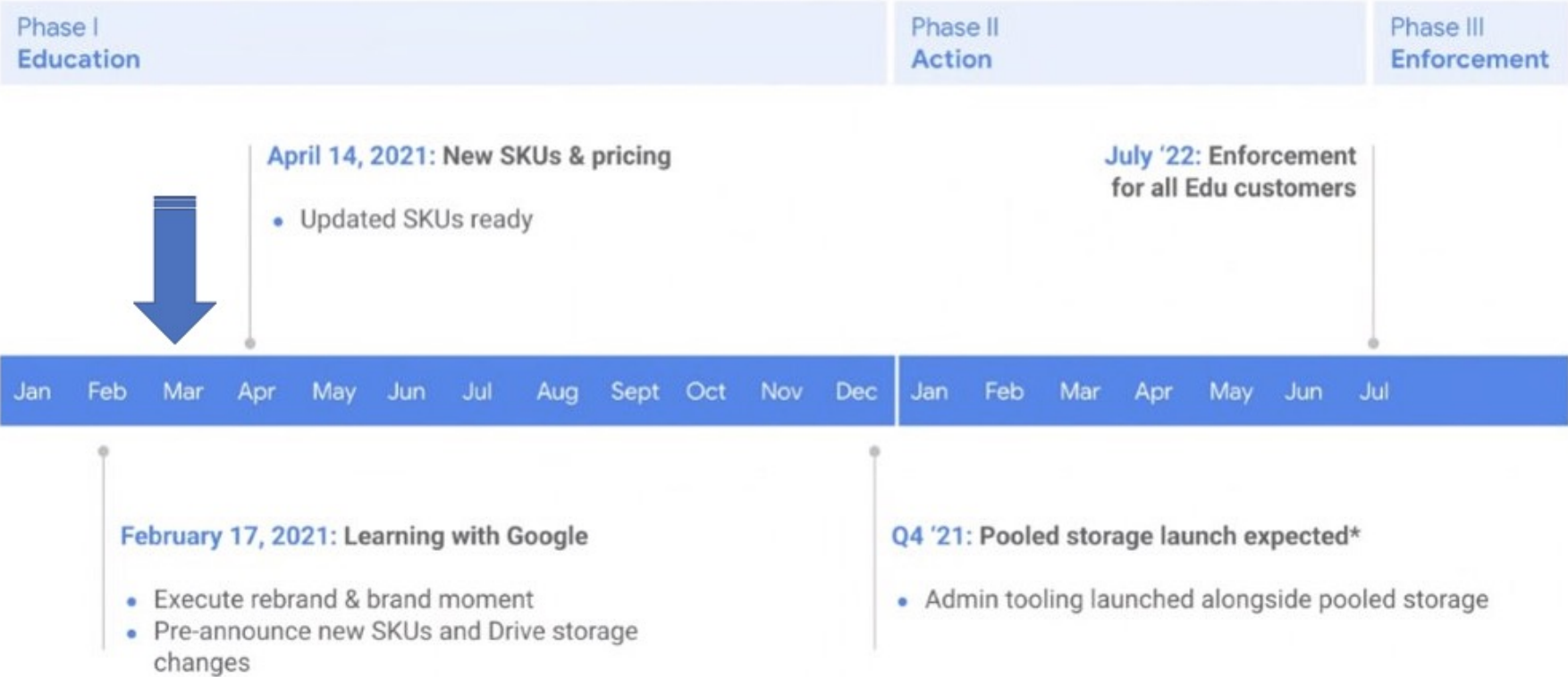
Info, thoughts, next steps

V1.2 - 20210315

CCS (Collaborative Computing Solutions)

Announcement

Implementation Timeline

Phase I Education		Phase II Action	Phase III Enforcement

April 14, 2021: New SKUs & pricing
- Updated SKUs ready

July '22: Enforcement for all Edu customers

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul

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- Pre-announce new SKUs and Drive storage changes

Q4 '21: Pooled storage launch expected*
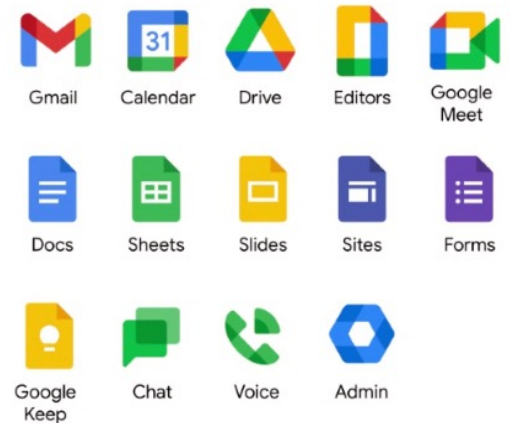- Admin tooling launched alongside pooled storage

Rebranding (now)

- G Suite for Education -> Google Workspace for Education
  - There will be new templates, graphics, descriptions to reflect this change
  - Rebranding will occur across knowledge base articles, service catalog entries, and websites

On October 6, G Suite changed their name to Google Workspace, introducing new messaging, new product icons and a new communications product experience.

Google Workspace

Gmail   Calendar   Drive   Editors   Google Meet

Docs   Sheets   Slides   Sites   Forms

Google Keep   Chat   Voice   Admin

New SKUs (Q2 2021)

Available now[1]	Available for purchase soon	Available for purchase soon	Available now[2]
Google Workspace for Education Fundamentals (Formerly known as G Suite for Education) Bring your school community together with a free suite of tools that enable better communication and collaboration.	**Google Workspace for Education Standard** Level up with advanced security, analytics, and controls to safeguard against evolving digital threats.	**Teaching and Learning Upgrade** Enhance instructional impact with advanced video communication, enriched class experiences, and tools to drive academic integrity.	**Google Workspace for Education Plus** (Formerly known as G Suite Enterprise for Education) Transform your school with a comprehensive solution incorporating advanced security and analytics, enhanced teaching and learning tools, and more.
Free for qualifying institutions[1]	**$3** / student / year	**$4** / license / month	**$5** / student / year[2]

We are currently here

Must cover all students

Must cover all students

Student pop: ~36,383 students (based on IPEDS)

New SKU (features)

Google Workspace for Education Fundamentals

Free for qualifying institutions[1]

Includes essential education tools and features like:

- ✓ Collaboration tools including Classroom, Docs, Sheets, Slides, Forms, and more
- ✓ Communication tools including Google Meet, Gmail, and Chat
- ✓ Data loss prevention for Gmail and Drive
- ✓ Can be used in compliance with FERPA, COPPA and GDPR

Google Workspace for Education Standard

$3 / student / year

Includes everything in Education Fundamentals, as well as:

- ✓ Security center to proactively prevent, detect, and remediate threats
- ✓ Advanced device and app management to perform audits and enforce security and app access rules
- ✓ Gmail log and Classroom log export for insights and analysis in BigQuery
- ✓ Audit logs for Drive, devices, LDAP, and more to track usage across your domain

Teaching and Learning Upgrade

$4 / license / month

Includes everything in Education Fundamentals, as well as:

- ✓ Meetings with up to 250 participants and live streams with up to 10,000 in-domain viewers using Google Meet
- ✓ Premium engagement features in Google Meet including interactive Q&As, polls, breakout rooms, and more
- ✓ COMING SOON Classroom add-ons to directly integrate your favorite tools and content
- ✓ Unlimited originality reports and the ability to check for peer matches across a private repository of past student work

Google Workspace for Education Plus

$5 / student / year[2]

Includes everything in Education Standard and the Teaching and Learning Upgrade, as well as:

- ✓ Live streams with up to 100,000 in-domain viewers using Google Meet
- ✓ Sync rosters directly to Classroom from any Student Information System
- ✓ Personalized Cloud Search for your domain to make information accessible and easy to find
- ✓ Faster response times from a support team of product specialists

NOTE: Every 4 student licenses gives us 1 faculty license. (not T&L)

SKU storage limits

Education Fundamentals	100 TB of pooled Cloud storage shared by your organization
Teaching & Learning Upgrade $4/seat/mo	Same storage as Education Fundamentals, plus 100 GB added to the shared pool for each license
Education Standard $3/student/yr	Same storage as Education Fundamentals
Education Plus $5/student/yr	Same storage as Education Fundamentals, plus 20 GB added to the shared pool for each license

Google for Education

Other details:

- Will not impact >99% of customers

- Enforcement in July '22 after grace period

- Domains with >20K enrollment can request an increase in pooled storage to 5GB / student & FTE or active user

Pooled storage (Q4 2021)

- Pooled storage
  - Introduce shift from no quota to pooled storage model
  - Including new admin tools to manage storage quotas
  - This storage quota applies to Gmail, Drive, Shared Drives, and Photos
  - Google has indicated that once reaching the quota you are <u>unable</u> to use the service
    - Open question around whether email will still deliver to mailbox?

- Best case total pooled storage for VT (if still on EF)
  - Base storage allocation of 100 TB
  - Add total number of "active" users within the tenant (Google says 103,248)
    - Give us additional 550 TB
  - So at best, at EF, our total pooled storage = 650 TB
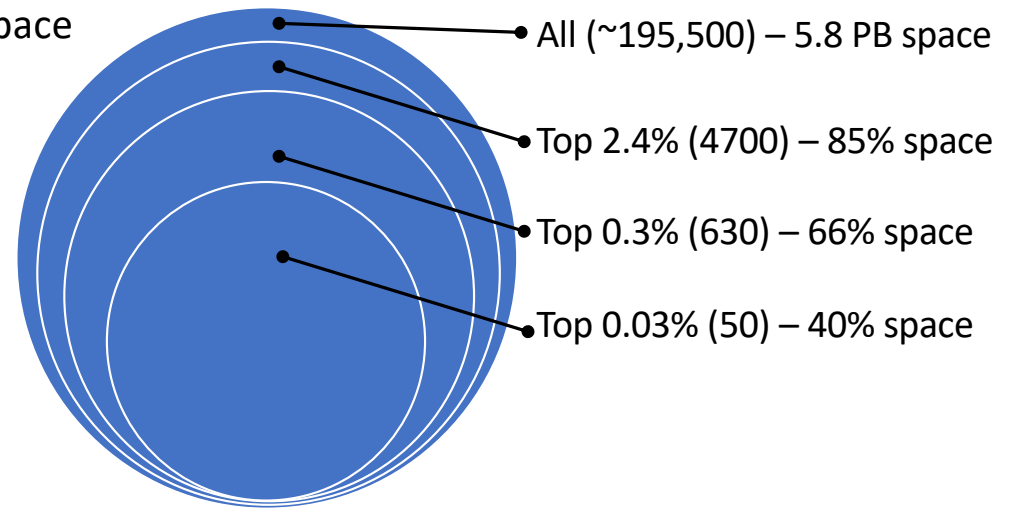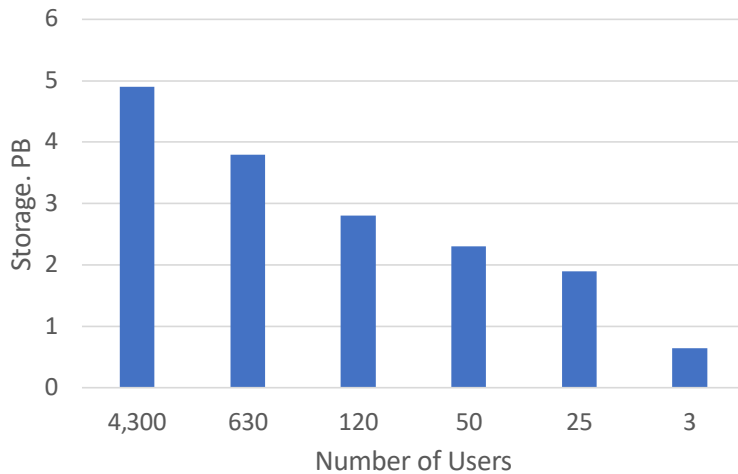
Pooled storage (current)

- Current storage utilization
  - Around 5.8 PB right now
    - Which is 5,939 TBs
  - Current storage growth rate @ ~2 PB/yr
- A few users are consuming most of the total space
  - *2.4% of users consume 85% of storage*

Feb 12, 2021

- Gmail storage used : **507.94 TB**
- Drive storage used : **5.08 PB**
- Photos storage used : **171.38 TB**
- Shared Drive storage used : **537.35 TB**

All (~195,500) – 5.8 PB space

Top 2.4% (4700) – 85% space

Top 0.3% (630) – 66% space

Top 0.03% (50) – 40% space

Note: Users includes GAEs

Storage. PB — Number of Users

(Chart values, Storage PB by Number of Users):
- 4,300 : 4.9
- 630 : 3.8
- 120 : 2.8
- 50 : 2.3
- 25 : 1.9
- 3 : 0.65
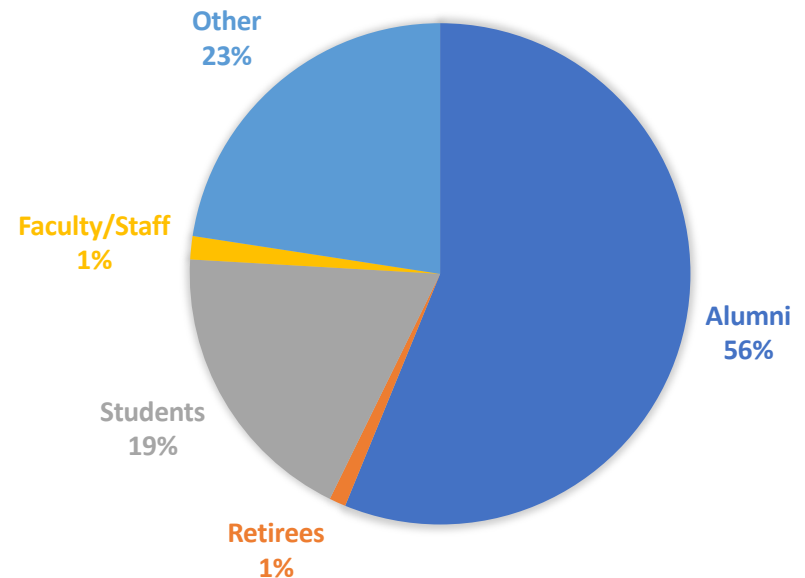
Thoughts (constituents)

- Who has VT Google accounts?
  - ~195k accounts right now (lookup)
    - Current account growth rate @ ~13k/yr

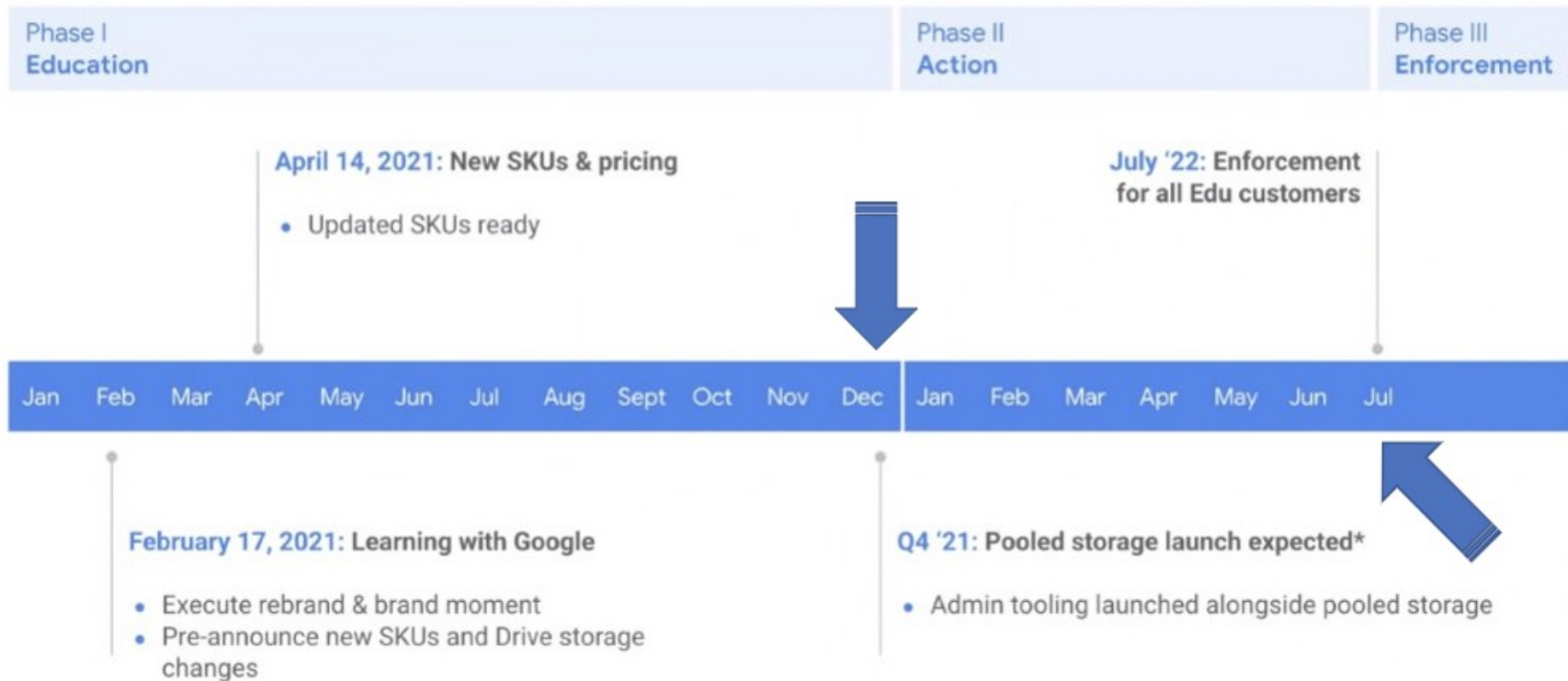| Role	Amount
alumni (affl)	109,572
retirees (affl)	2,085
students (IPED)	36,383
F\S FTE (IPED)	2,928
Other	44,032

- Action items
  - Review how Google accounts are provisioned and deprovisioned
  - Develop standardization on constituent identification
  - Cleanup as necessary

Other 23%
Faculty/Staff 1%
Alumni 56%
Students 19%
Retirees 1%

Next steps

- CCS communication explaining Google changes (in general)
- DCSS presentation explaining Google changes (more specifics)
- Google Workplace program
  - Steering Committee charter
  - Projects
    - Analysis and cleanup
    - Licensing and service options
  - Deliverables
    - Action items
- Google Workplace information website
  - https://it.vt.edu/projects/GoogleWorkspace.html
  - Definitive "source of truth" for this project

Reminder

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Q&A

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