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Unlocking Learning Opportunities by Enabling Security

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90%

of all reported breaches are caused by negligence, extortion, and external threats.[1]

45%

increase in data breaches

15 days & $30k+

productivity lost at Horry County Schools (SC) through ransomware attack[3]

Major security threats could be closer than schools think.

1. Willis Towers Watson 2017 Cyber Risk Survey
2. Identity Theft Resource Center, https://www.idtheftcenter.org/2017-data-breaches
3. Ransomware Attacks Force School Districts to Shore Up—or Pay Up, Education Week 2017

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Use the cloud to stop bad actors in their tracks

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📅 **45%**
Increase in data breaches

↗️ **15 days & $30k+**
productivity lost at Horry County Schools (SC) through ransomware attack[3]

➡️ We filter **10 million** spam and malicious emails every minute.

➡️ We can absorb the largest attacks, which require the bandwidth needed to watch **500,000 YouTube videos in HD** at the same time.

➡️ We protect **3 billion** devices from URLs with malicious content every day.

1. Willis Towers Watson 2017 Cyber Risk Survey
2. Identity Theft Resource Center, https://www.idtheftcenter.org/2017-data-breaches
3. Ransomware Attacks Force School Districts to Shore Up—or Pay Up, Education Week 2017

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If we are made aware of an email security incident, we can now see the data in real time and **remediate the situation in a matter of minutes with the investigation tool**, instead of having to wait until the next day for the data to sync."

Chris Budzynski
Chief Technology Officer
Huntley Community School District 158

Key features of
Chrome Education Upgrade

Control everything from one simple console

- **Lock devices**
  so they can only be used on the school domain

- **Enforce user settings**
  like pushed apps and extension

- **Set security policies**
  to keep kids safe

- **Administer tests at scale**
  with kiosk apps

Multi-layered security

Automatic updates

Chromebooks automatically manage updates to ensure all software is up-to-date

Sandboxing

Web pages and applications run in a restricted environment to prevent infection from at-risk pages

**"Defense in depth"** philosophy provides users multiple layers of protection

Verified Boot

Chromebooks perform self-checks to repair any system corruptions

Data encryption

Chromebooks are 128-bit encrypted for every unique user and never accessible by others

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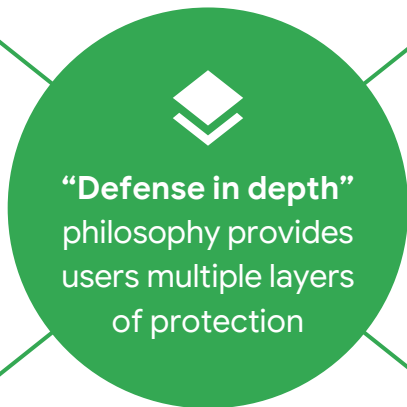
Every Chromebook has security built in

- Verified Boot checks security at every login

- Every user's data is encrypted

- Makes every Chromebook infinitely shareable
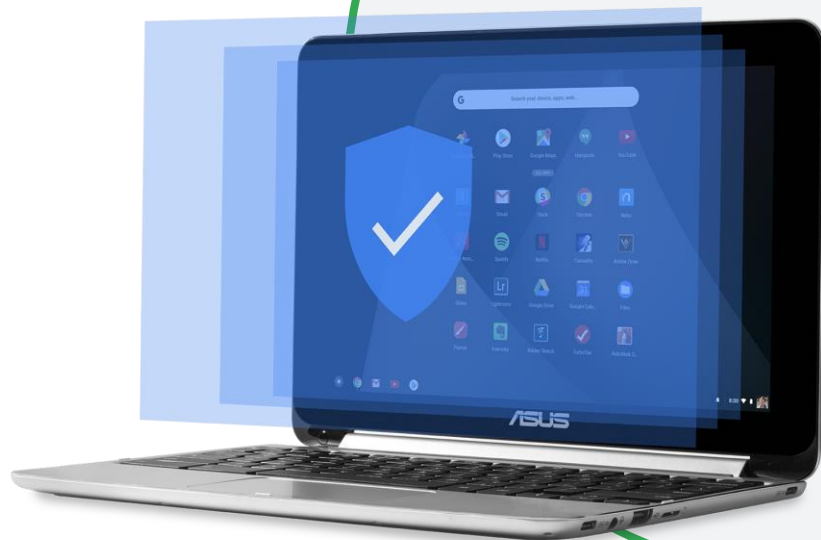
Easy

Simple for teachers and students

- Automatic updates and multilayer security

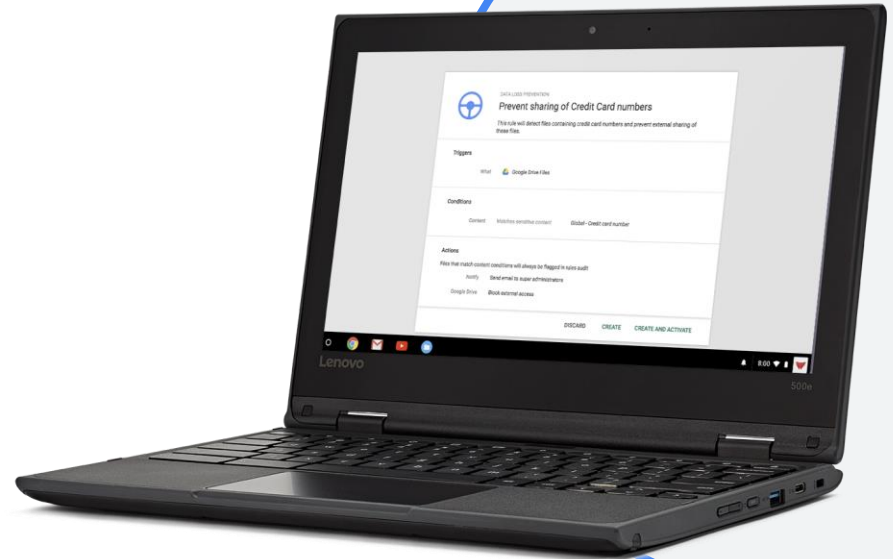- Unique cloud-based management

- Includes Google Classroom

New security features in G Suite for Education

Protect sensitive information with **Data Loss Prevention**

Security key management and enforcement

Hosted **S/MIME** for Gmail

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G Suite for Education (including Hangouts Meet) support compliance with rigorous standards

✓ FERPA (Family Educational Rights and Privacy Act)

✓ COPPA (Children's Online Privacy Protection Act of 1998)

✓ The Software & Information Industry Association

✓ Student Privacy Pledge introduced by the Future of Privacy Forum (FPF)

✓ ISO/IEC 27018:2014 (Data standards)
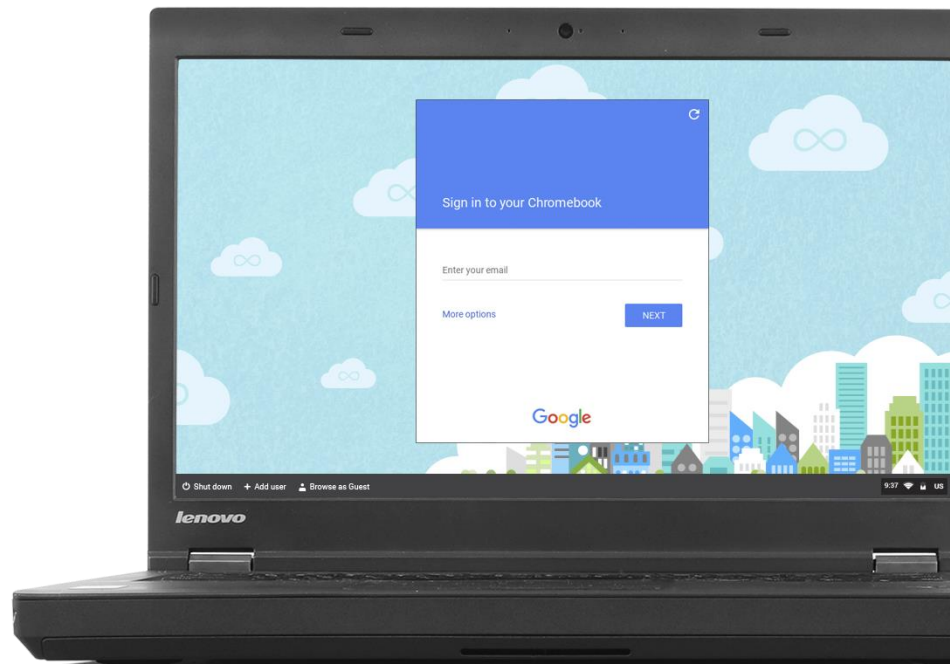
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Share internet safety curriculum and tips like [Be Internet Awesome](#) so families can help equip their students to be responsible digital citizens
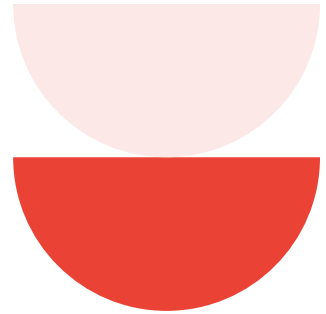
Educators need web filtering

Even with all of this built in security, educators still need a stronger defense strategy

- Blocked from helpful sites
- Off-track student behavior
- Student accountability
- Online bullying

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Finding balance between safety & access

1. Risks of overblocking

2. Differentiate by grade or group

3. Conform to district acceptable-use policy

4. Sign out → data secure

5. Social media controls

For more information on Google for Education, contact us today.