



TDPAC Web Filtering Update



Hopeful Outcomes

- **Awareness** - our filtering environment is complicated and it helps to have informed advocates
- **Feedback** - regarding technology, communications, gaps
- **Feedback** - on a path forward with filtering to address increased tech use

Outline

- Current suite of technical tools
- Current school supports
- Common issues with filtering
- Options for moving forward



Current State

Technical Controls



On Network Filtering and Categories

- Palo Alto next generation firewalls used to filter all devices connected to Jeffco networks
- Separate rules for: elementary, high school, production, and guest networks
- SSL inspection for some categories on production networks to allow more content through Ex: Entertainment, Insufficient, Newly Registered, Peer to Peer, Blogs, Questionable, Shareware, Social Networking, Adds
- [Filtering categories](#)

Filtering at Home

- Securly Home, a cloud based filtering solution is used for off network filtering.
- Securly Home monitors student use while on network to simplify reporting.
- Securly Home has a simpler and more educationally focused set of categories compared to the Palo Altos.
- Some sites are SSL inspected but we have less control over inspection compared to the Palo Altos

Classroom Management

- Securly Classroom is used for classroom management and to give teachers more control of devices while they are in the classroom
- Classroom was purchased this year and standardised classroom management throughout the district
- Classroom allows teachers to: share their screen, make changes to filtering settings, provide content such as links, monitor student activity

Safe Search

- Safe Search is a complex symbiotic relationship between content providers and filtering providers
- Web filters force safe search and the search providers filter content.
- Safe search providers include: Google, Bing, Ask, Lycos, Yahoo

YouTube

- Youtube has a “safe search” technology called restricted mode.
- Web filters force the setting and YouTube filters the content.
- Content is filtered based on poster, channel, the YouTube community
- Jeffco Staff can approve videos for all students

Google Security Controls

- Google alerts users to basic threats: account compromise, phishing,
- Google provides detailed logging: logins, device changes, emails, chat, drive, and admin activity
- Logging works great for responding to incidents



Current State

Staff and Student
Resources



School Supports

- Monthly professional learning
 - TechforEd Leads
 - Optional sessions related to emerging topics
- Centrally developed instructional resources
 - Digital Citizenship
 - Video Conferencing Norms
- Monthly family communication & webpage
- Leadership Support - restorative practices, meetings with principals



Common Filtering Issues



Student Stumbles Into Inappropriate Content

- Medical imagery is presented in an image search
- Questionable imagery is presented in an image search
- Inappropriate content is discovered in a discussion

Typical Resolution Involves

- Reinforcing digital citizenship practices
- Working with the vendor to report content

Student Works to Bypass Filter

- Student installs extension
- Student looks for weakness in safe search
- Student uses VPN
- Student shifts content from personal cloud to Jeffco cloud

Typical Resolution Involves

- Working closely with family and school on digital citizenship
- Making changes to tech with the understanding that changes may not solve the problem

Student Abuses of Collaborative Tools

- Large and unproductive Google chats
- Zoom bombs
- Inappropriate presentations

Typical Resolution Involves

- Investigation to remove “anonymity”
- Working with schools on next steps

Blending of Student Work and Personal Lives

- Issues range from flirting, jealousy, cheating, to inappropriate content
- These issues occur rarely compared to other issues but have a higher impact
- Students often reference content stored on non-Jeffco platforms

Typical Resolution Involves

- Investigation that may involve district title IX team or law enforcement



Options for Moving Forward



Limit Content

- Severely limit social media content
- Limit search engine choices
- Limit access to YouTube
- Limit Google functionality
- Limits would increase workload and exceptions

Increase Monitoring

- Securly, GoGuardian, Gaggle offer products that monitor social media content on Jeffco devices/network
- Reports would be provided to principals
- Products offer 24/7 monitoring and alerting services
- Staff PD would be necessary for consistency

Increase Awareness and Professional Learning

- In partnership with SEL (Social Emotional Learning), continue to develop resources to support students and teachers
 - Digital citizenship: broaden reach to include emerging topics (i.e. online dating)
- “Certifying students” for personalized devices
 - Proactive, consistent message
- Continue to attend school-based opportunities