Technology Infrastructure Overview 2021/2022

Web Filter Migration

- FUHSD has filtered web content since approximately 2004.
- In the past we used an internally hosted filter.
- In response to the move to the one-to-one technology standard and the resulting increase in district owned technology devices such as Chromebooks we recogized the need for additional filtering capability.
- The Chromebooks are managed by the district with minimal configuration available to the end user.
- The district is liable for use of its assets regardless of location.

Web Filter Migration

- After examining and comparing the major providers of web filtering services we chose Securly.
- Securly is designed specifically for the K-12 environment.
- Securly offers a mechanism for extending filtering to district owned devices in use off campus.

Web Filtering

Why we filter

1) The Children's Internet Protection Act (CIPA) requires the district to filter certain categories of web content in order to remain eligible for federal E-rate funding.

2) E-rate funding is used to subsidize our fiber optic services to SCCOE and between the schools and the district office.

3) E-Rate funding is used for purchasing critical network components such as switches, routers, wireless access points, etc.

4) Filtering increases student safety and network security.

5) Filtering reduces the misuse of technology.

Children's Internet Protection Act (CIPA)

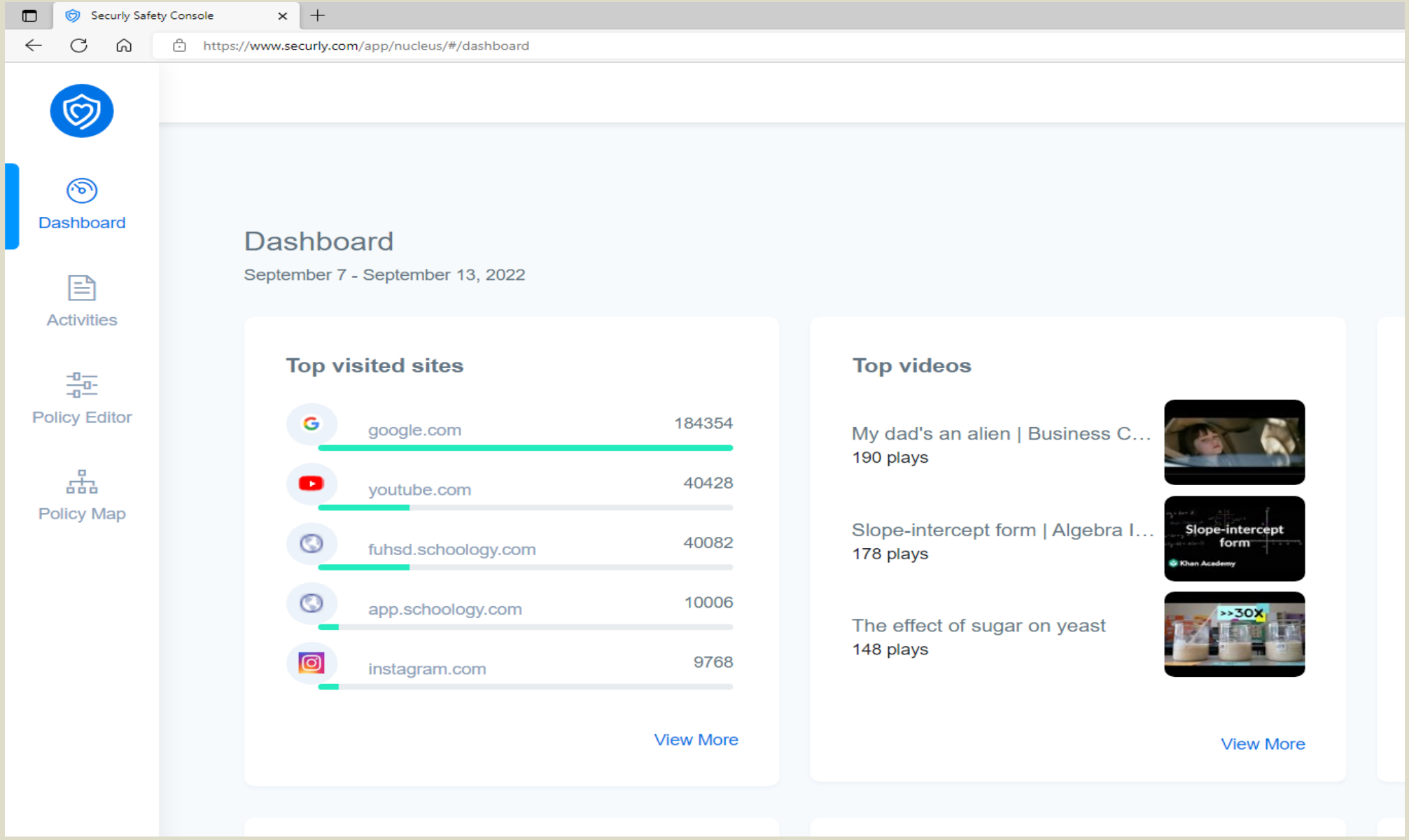
The Children's Internet Protection Act (CIPA) was enacted by Congress in 2000 to address concerns about children's access to obscene or harmful content over the Internet. CIPA imposes certain requirements on schools or libraries that receive discounts for Internet access or internal connections through the E-rate program – a program that makes certain communications services and products more affordable for eligible schools and libraries. In early 2001, the FCC issued rules implementing CIPA and provided updates to those rules in 2011.

What CIPA requires

Schools and libraries subject to CIPA may not receive the discounts offered by the E-rate program unless they certify that they have an Internet safety policy that includes technology protection measures. The protection measures must block or filter Internet access to pictures that are: (a) obscene; (b) child pornography; or (c) harmful to minors (for computers that are accessed by minors). Before adopting this Internet safety policy, schools and libraries must provide reasonable notice and hold at least one public hearing or meeting to address the proposal.

Schools subject to CIPA have two additional certification requirements: 1) their Internet safety policies must include monitoring the online activities of minors; and 2) as required by the Protecting Children in the 21st Century Act, they must provide for educating minors about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms, and cyberbullying awareness and response.

Securly


Securly Safety Console
https://www.securly.com/app/nucleus/#/dashboard
Dashboard
Activities
Policy Editor
Policy Map
Dashboard
September 7 - September 13, 2022
Top visited sites
google.com 184354
youtube.com 40428
fuhsd.schoology.com 40082
app.schoology.com 10006
instagram.com 9768
View More
Top videos
My dad's an alien | Business C…
190 plays
Slope-intercept form | Algebra I…
178 plays
Slope-intercept form
Khan Academy
The effect of sugar on yeast
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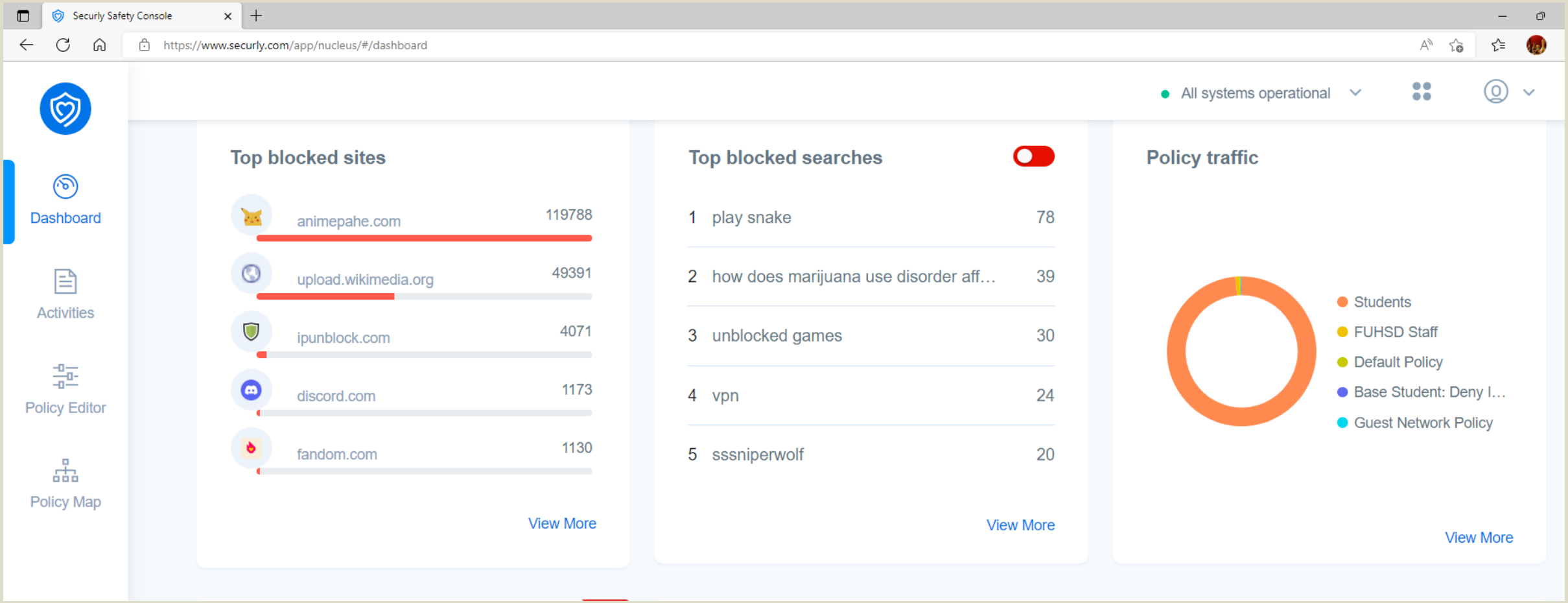
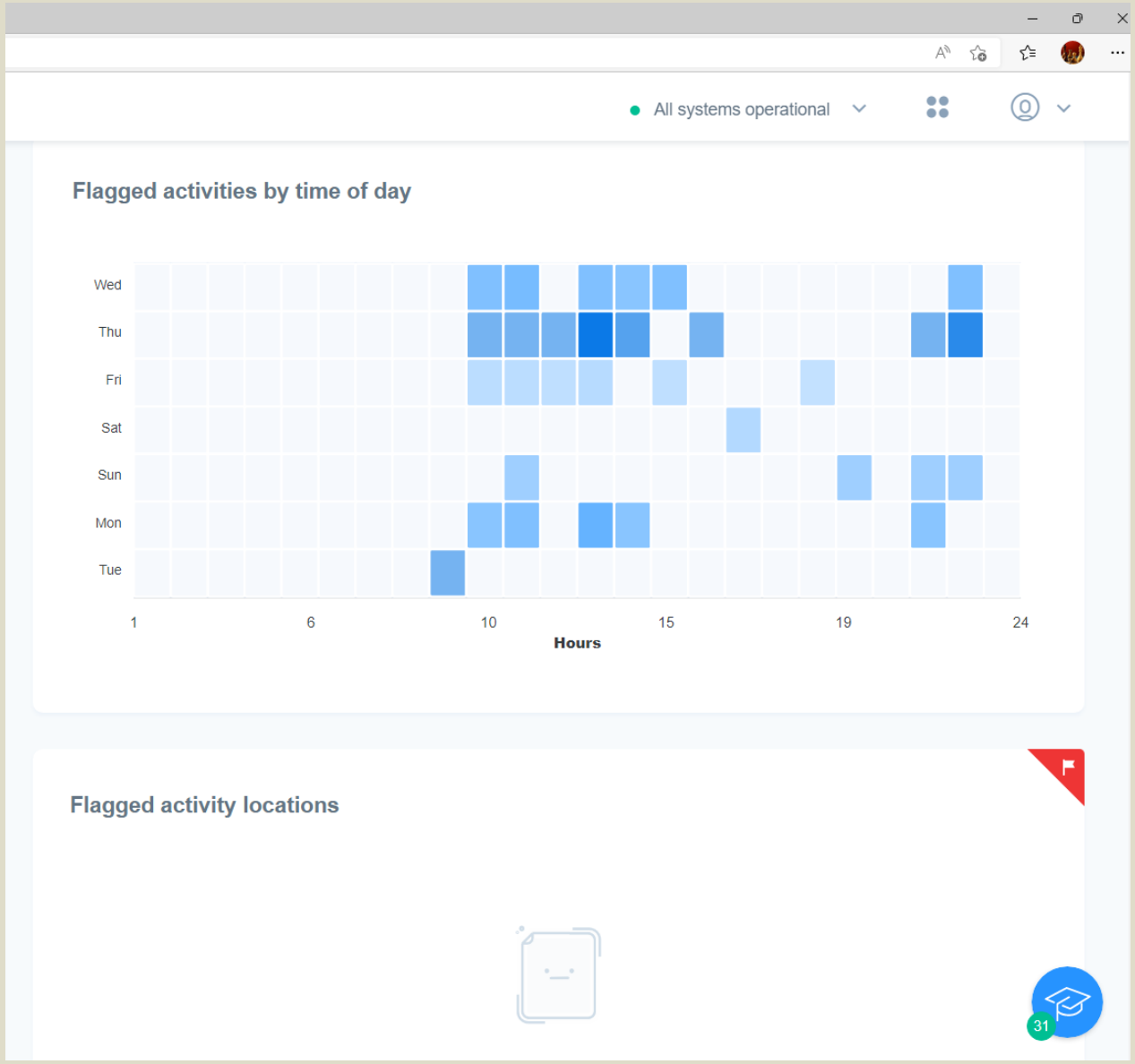
Securly


Securly Safety Console
https://www.securly.com/app/nucleus/#/dashboard
All systems operational
Dashboard
Activities
Policy Editor
Policy Map
Top blocked sites
animepahe.com 119788
upload.wikimedia.org 49391
ipunblock.com 4071
discord.com 1173
fandom.com 1130
View More
Top blocked searches
1 play snake 78
2 how does marijuana use disorder aff… 39
3 unblocked games 30
4 vpn 24
5 sssniperwolf 20
View More
Policy traffic
Students
FUHSD Staff
Default Policy
Base Student: Deny I…
Guest Network Policy
View More

Securly


All systems operational
Flagged activities by time of day
Wed
Thu
Fri
Sat
Sun
Mon
Tue
1
6
10
15
19
24
Hours
Flagged activity locations
31

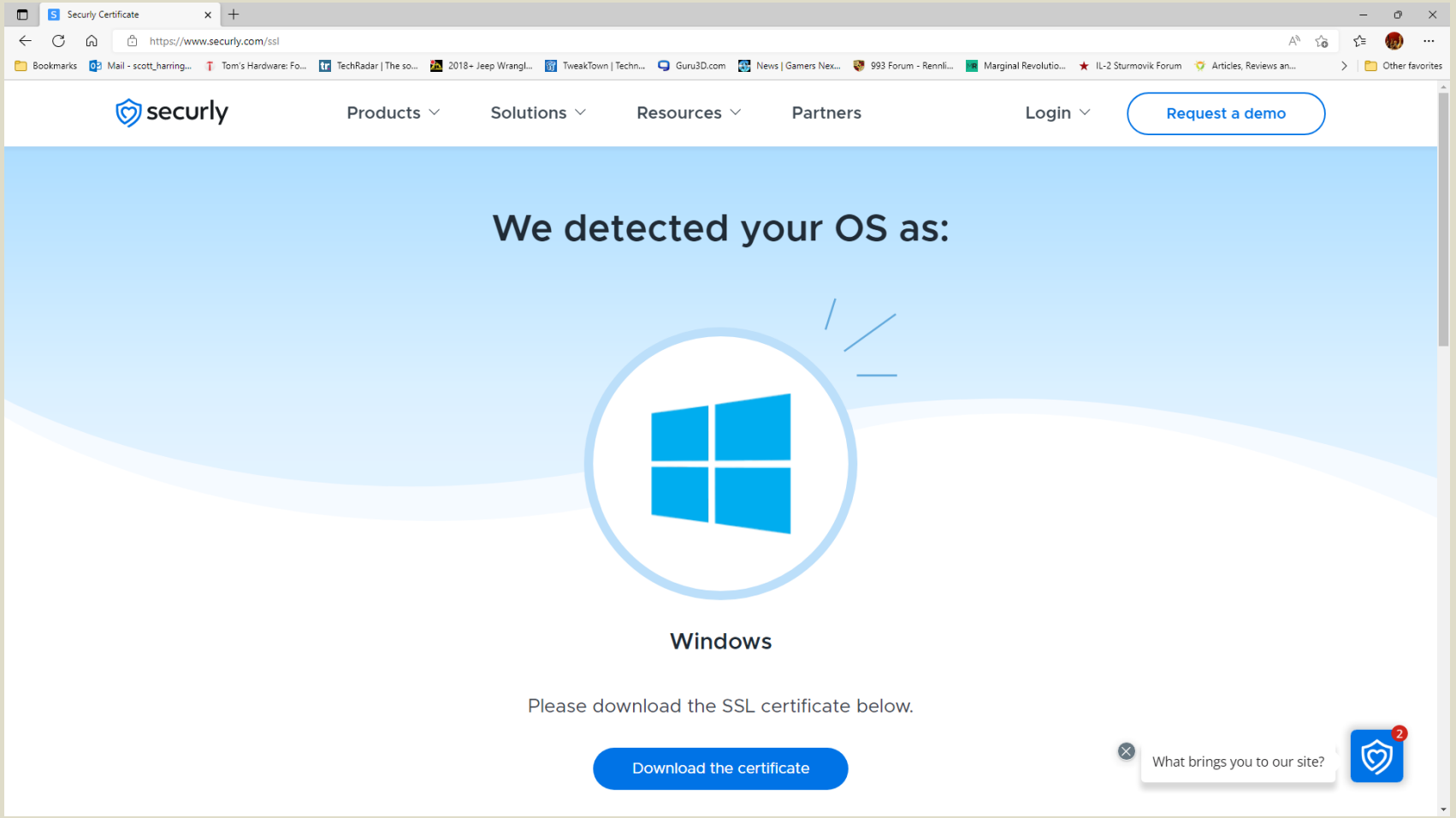
Securly Filtering

- Filtered categories include pornography, drugs, gambling, adult content, network misuse, hate, search engines lacking safe search, and games.
- All other content categories including social media, social networking, chat/messaging, web mail, streaming media, health, etc. remain unfiltered in Securly.

Securly Filtering

- We DO filter all devices using the FUHSD student Wi-Fi network.
- We DO filter all district owned Chromebooks both inside and outside our network.
- We DO NOT filter personal devices outside our network.

Securly SSL Certificate



Securly SSL Certificate

- Securly SSL certificate is a file used to confirm the legitimacy of communication between the user device and the Securly filter.
- It is not a program. The certificate only functions passively.
- Web content within our network is filtered regardless of whether the certificate is installed, but content access is greatly reduced without it. Most notably search engines such as Google and Yahoo do not work.
- We do not require the SSL certificate.
- Students who do not want the certificate on their personal devices can check out a district Chromebook.

Current and Upcoming Projects

- Replacing wireless system.

Current and Upcoming Projects

- Planning relocation of MDF/Data center/Telecom MPOE