

Cyber Security

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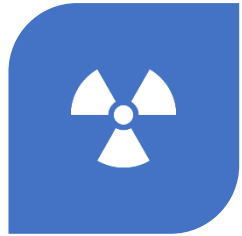
Director, Applications & Cybersecurity

Why Cybersecurity?

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To provide a safe and efficient learning environment.

How?



RISK MANAGEMENT



CONFIDENTIALITY,
INTEGRITY,
AVAILABILITY



DEFENSE-IN-DEPTH



USER AWARENESS



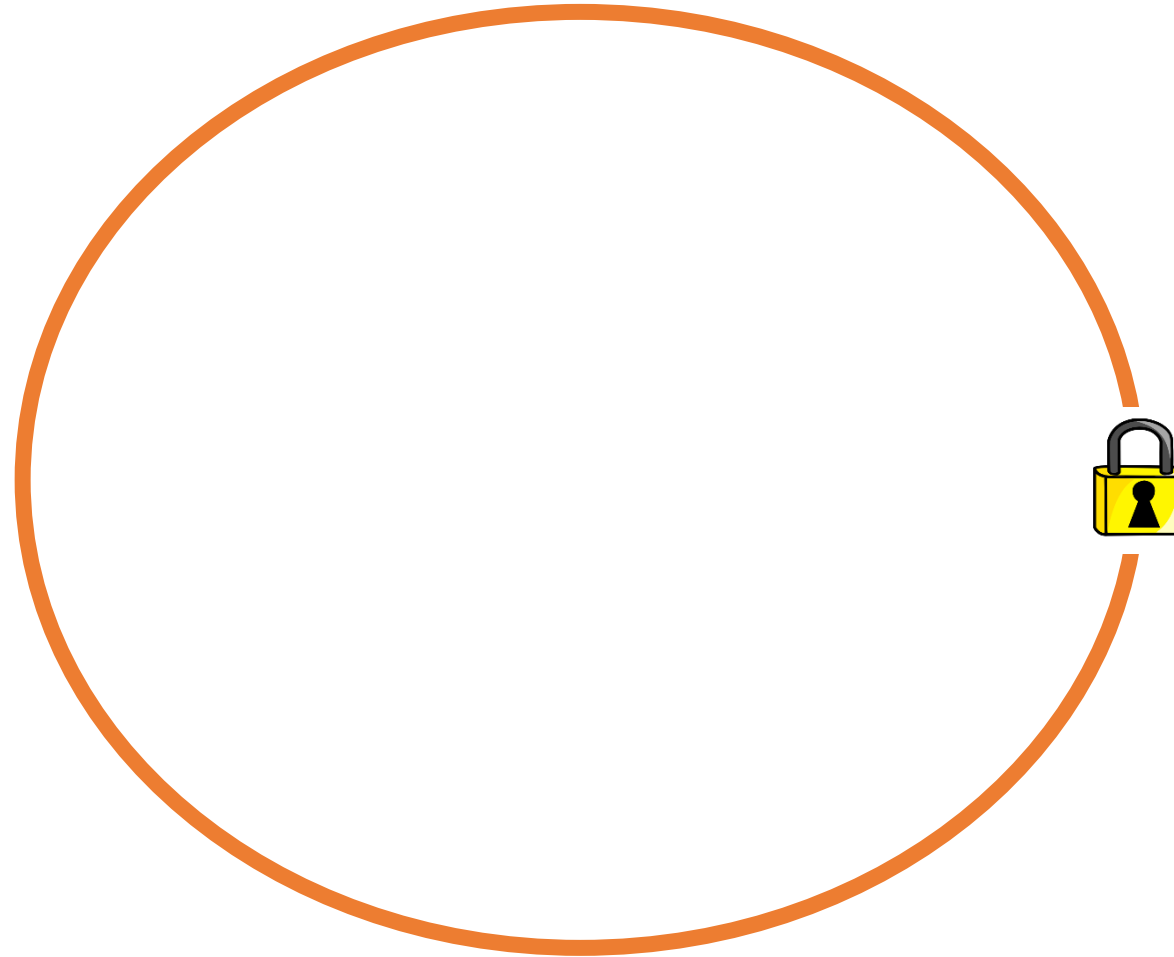
BALANCE SECURITY
& PRODUCTIVITY

Before the Pandemic



Students, Staff & Devices within the enterprise security perimeter built around infrastructure, network and end-points.

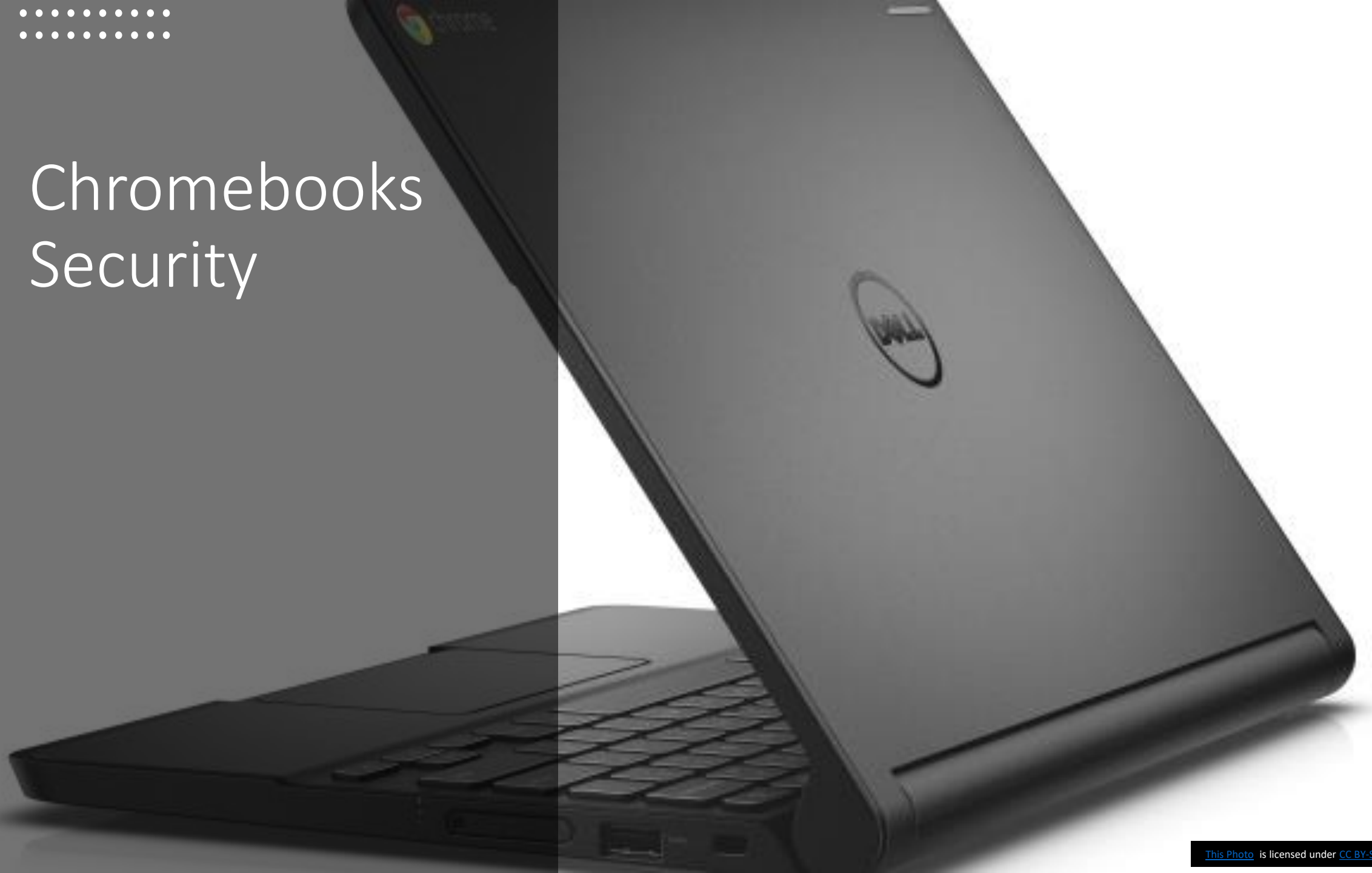
During the Pandemic



Students and Staff outside the enterprise security perimeter.



Chromebooks Security



Chromebooks

'In 2018, Chromebooks made up 60 percent of all laptops and tablets purchased for U.S. K-12 classrooms.' cnbc.com

<https://www.blog.google/outreach-initiatives/education/2020-chromebooks/>

60,000+ Chromebooks at Plano ISD

Why Chromebooks?

‘A Chromebook is already an ultra-secure computer straight out of the box’ -Pcworld.com

Built-in security features to defend against malware.

- Periodic OS updates
- Sandboxing
- Verified Boot
- Data Encryption

<https://support.google.com/chromebook/answer/3438631?hl=en>

Chromebook Enhanced Security via Policies



POLICIES FOLLOW
USER AND DEVICES



UPDATE OS
PERIODICALLY



LOGIN LIMITED TO
PISD STAFF &
STUDENTS



AUTHORIZED APPS FOR
STUDENTS (NEW)



INTERNET FILTERING

Cybersecurity is not just about putting controls in place. It is also about making the resources available.

Challenge: Deliver Engineering, Business, & Graphic Design Apps to At-Home Learners



What our teachers are saying about it:

AppStream has allowed my School@Home and asynchronous students to **seamlessly access** their Adobe CC activities and projects. Students are **progressing** through Digital Media at the same rate as would be expected in a traditional school year and are **producing high quality work** with little to no difference in student success between settings. This would not be possible for our students relying on Chromebooks without AppStream.

-Alex Ritter, Jasper High School

AppStream has allowed all virtual students the opportunities provided to those on campus, despite the equipment they are using at home. Access to Microsoft Office on a Chromebook was a concern before we had AppStream, and now my virtual students are able to **perform the same tasks and complete the same assignments as if they were on campus using our computers.**

-Kristen Grassi, Plano West Senior High School

Thank you!
