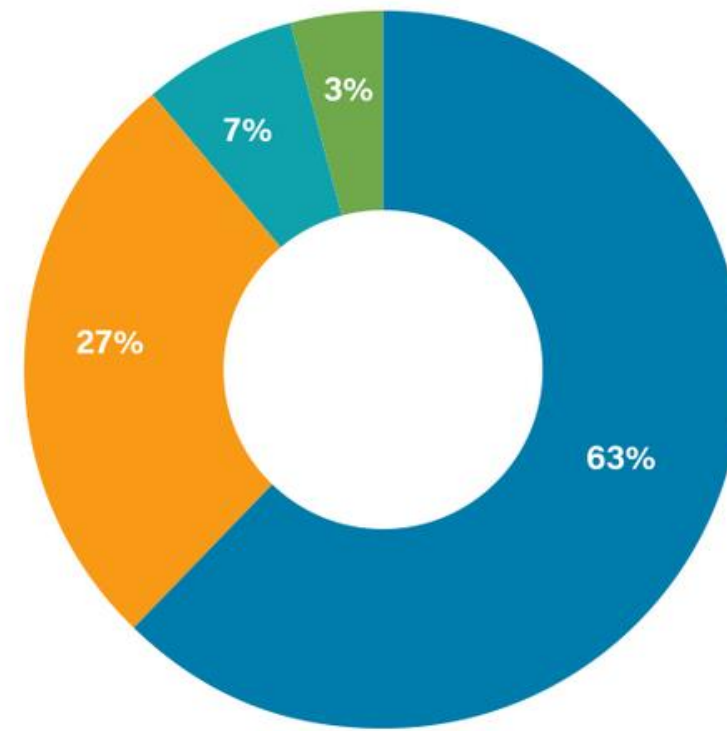# Cyber Security

Why does it matter?

Top Malware Infection Vectors

- Malvertisement
- Multiple
- Dropped
- Malspam

63%
27%
7%
3%

The Scale of Impact:

- 82% of K-12 organizations experienced cyber incidents

- Nearly 14,000 security events observed

- Over 9,300 confirmed incidents

- Cyber threat actors target human behavior 45% more often than technical vulnerabilities

TIME IT TAKES A HACKER TO BRUTE FORCE YOUR PASSWORD IN 2023

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	Instantly	Instantly
7	Instantly	Instantly	1 sec	2 secs	4 secs
8	Instantly	Instantly	28 secs	2 mins	5 mins
9	Instantly	3 secs	24 mins	2 hours	6 hours
10	Instantly	1 min	21 hours	5 days	2 weeks
11	Instantly	32 mins	1 month	10 months	3 years
12	1 sec	14 hours	6 years	53 years	226 years
13	5 secs	2 weeks	332 years	3k years	15k years
14	52 secs	1 year	17k years	202k years	1m years
15	9 mins	27 years	898k years	12m years	77m years
16	1 hour	713 years	46m years	779m years	5bn years
17	14 hours	18k years	2bn years	48bn years	380bn years
18	6 days	481k years	126bn years	2tn years	26tn years

Password managers

- Strong and Unique Passwords

- Convenient and Time saving

- Encrypted Storage

Phishing

What is it?

What to watch for

- "ACT NOW!" - "URGENT!" - "LOSE ACCESS"

- Poor spelling, weird grammar, or weird sender address

- Links that don't match the comany's domain

support@amazon.it.com	no-reply@amazon.com
no-reply@faceb00k.me	security@facebookmail.com
it@insda.org	it@imsda.org

Walmart NOTIFICATIΟN Gorilla Carts muninetworks.org ⟫ Inbox ×

Walmart+Gorilla_Carts_Walmart+Gorilla_Carts_Walmart+Gorilla_Carts_Walmart+Gorilla_Carts_Walmart… 📎 11:25 AM (11 hours ago) ☆ ☺ ↩ ⋮

to me ▾

Hey j ▮▮▮▮▮▮

As a valued customer,
You have a unique opportunity to receive a BRAND NEW Gorilla Cart — FREE! 🦍
Just for sharing your feedback!

We value your opinion
and would love to hear about your recent experience with Walmart.
Your insight helps us improve — and rewards you at the same time!

👉 *Claim your FREE Gorilla Cart today*❗❗👈
All it takes is answering a few quick questions.

⬇️⬇️ **Get it now — 100% FREE**❗⬇️⬇️

https://s3.amazonaws.com/yourorder740/order.html#4Gmqqq24090Hekq145ihslruereq206IUOSFFITVETGMVM36763XHNA3419K11

⚠️ *But hurry — this exclusive offer is available to a limited number of customers only*❗❗

from:	**Walmart+Gorilla_Carts_Walmart+Gorilla_Carts_Walmart+Gorilla_C**
to:	
cc:	
date:	Jun 5, 2025, 11:25 AM
subject:	Walmart NOTIFICATION Gorilla Carts muninetworks.org
mailed-by:	thatwitty.shop
signed-by:	thatwitty.shop
security:	🔒 Standard encryption (TLS) Learn more

What to do

- Do not click Links

- Do not download any attachments

- Verify request through another method

- Report as Phishing

Protecting Student Data

Sounds easy but how?

Classroom Technology

- Use verified or approved application

- Don't plug in random USB drives you might find

- Any kind of smart devices keep them upto date

- Monitor students online activity when using the internet for class

How to Respond

- Report suspicious emails, pop-ups or devices

- Don't try to fix a suspected hack, or malware yourself

- The faster the response the better

- Somethings need to be reported to authorities

Key Points

- Strong Passwords

- MFA (Multi-Factor Authentication)

- Think before you click

- Protect Student Data

- Report

Thank You

Services Provided

- Domains

- Emails

- Google Workspace

- Network/internet install/setup

- Security Cameras install/setup

- Picking devices

- If you have something Specific we can talk about it