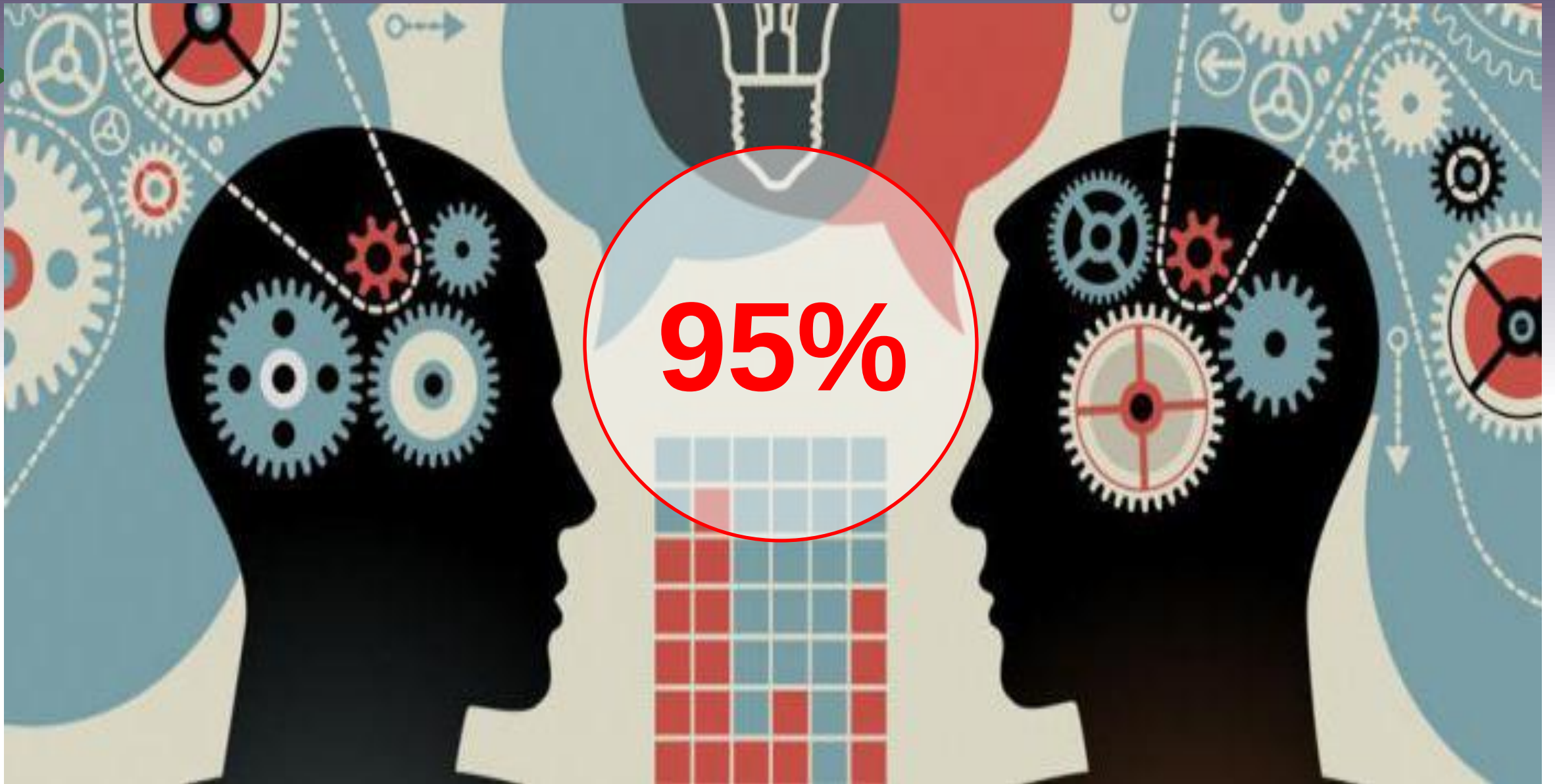




CYBERSECURITY

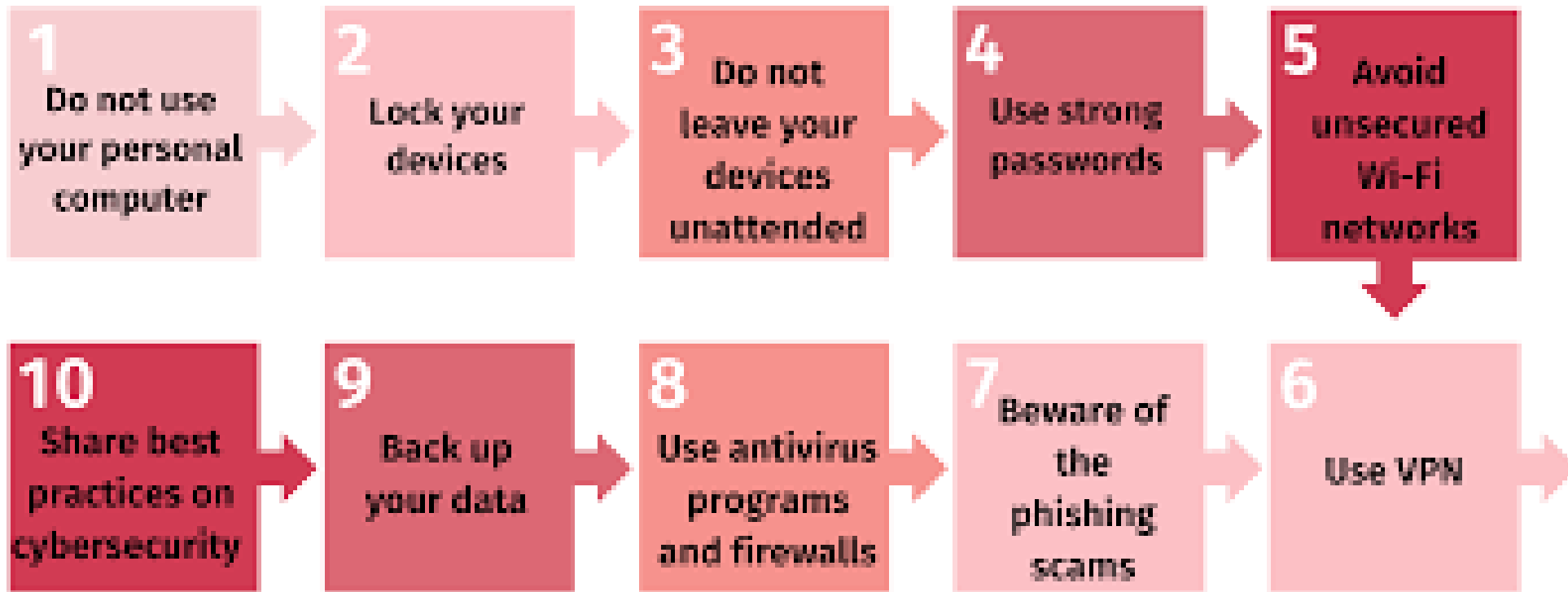
Dr. Ellen J. McDonnell, Executive Director, Lower Hudson Regional
Information Center

Dr. Madalyn L. Romano, Manager, Data Privacy and Security, LHRIC



Cybersecurity is EVERYONE's Responsibility

WHAT YOU CAN DO...



Cybersecurity is EVERYONE's Responsibility

WHAT YOU CAN DO...

Simple recommendations for effective practices in cybersecurity protection that everyone should follow



Never reuse passwords between websites and services.



Never store passwords on sticky notes or "cheat sheets."



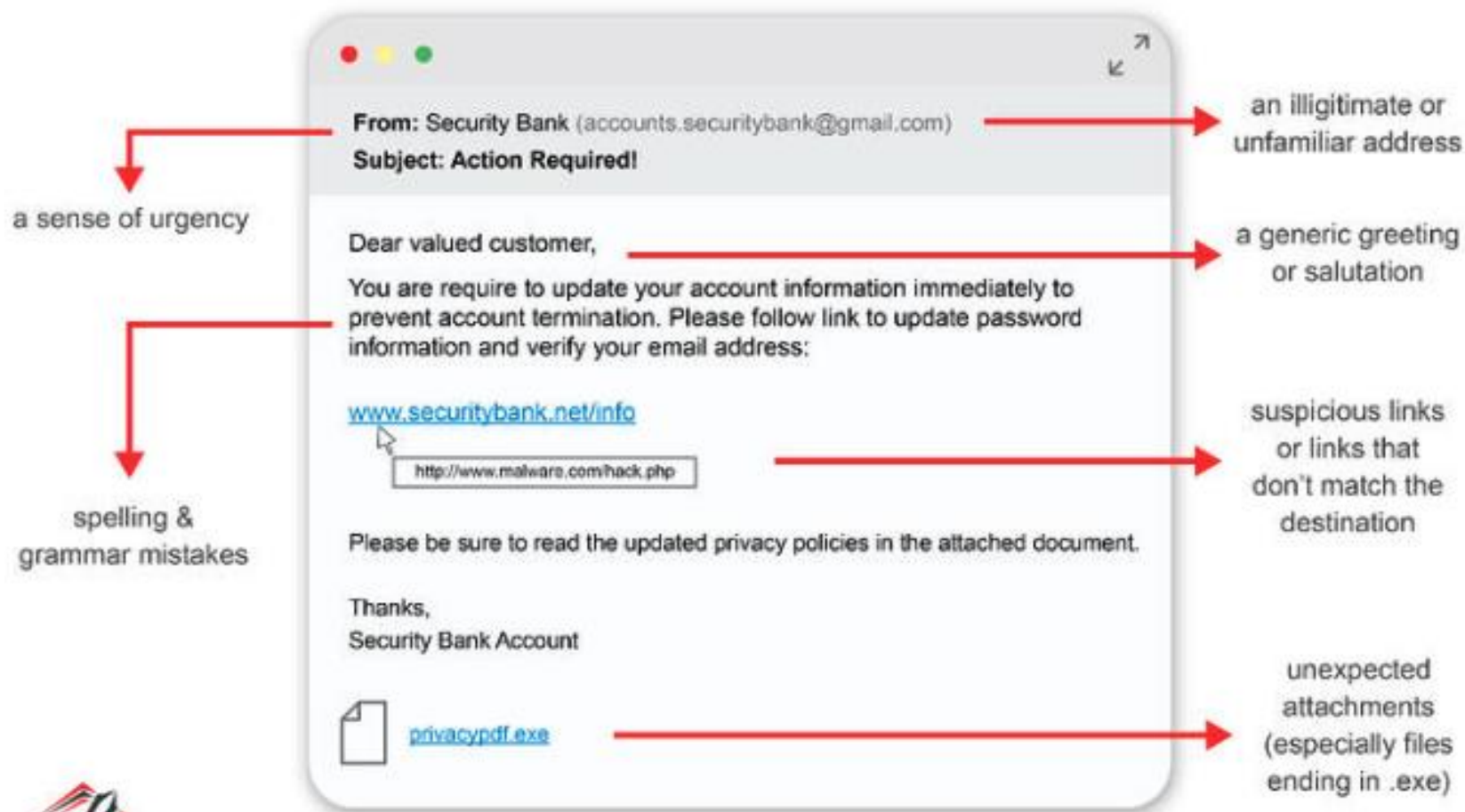
Don't share highly personal information on social media.



Always be skeptical of any unexpected request for your information.

Cybersecurity is EVERYONE's Responsibility

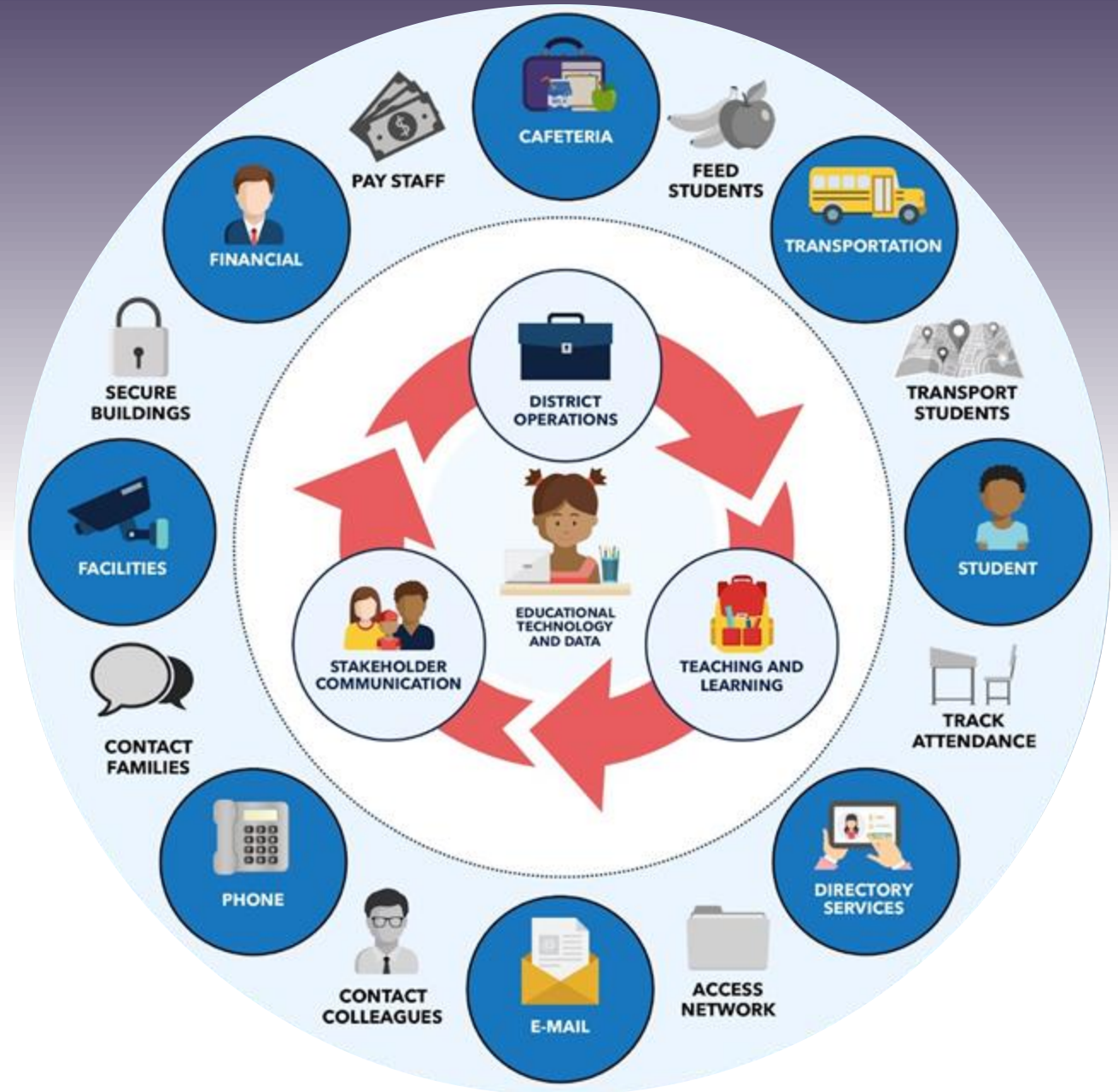
WATCH OUT FOR...



Cybersecurity is *EVERYONE's* Responsibility

The business of
K-12 institutions
is to educate
the child.

It's more than just the
classroom teacher.



Cybersecurity is EVERYONE's Responsibility

EDUCATION LAW 2-D



2014
2019
2022...



Cybersecurity is EVERYONE's Responsibility

DATA PROTECTION OFFICER



- Appointed by Board of Education
- Responsible for 8 Requirements
- Annual Report to Board

Cybersecurity is EVERYONE's Responsibility

DATA PRIVACY AND SECURITY POLICY



- Policy Service
- Template from NYSED
- Attorney
- Posted on District's Website

Cybersecurity is EVERYONE's Responsibility



ANNUAL TRAINING



- State and Federal Laws
- Cybersecurity Awareness
- Best Practices

Cybersecurity is EVERYONE's Responsibility



NIST CYBERSECURITY FRAMEWORK (NIST CSF)



- Guidelines
- Focus on Risk
- Ongoing Process

Cybersecurity is EVERYONE's Responsibility



AUDIT / REVIEW

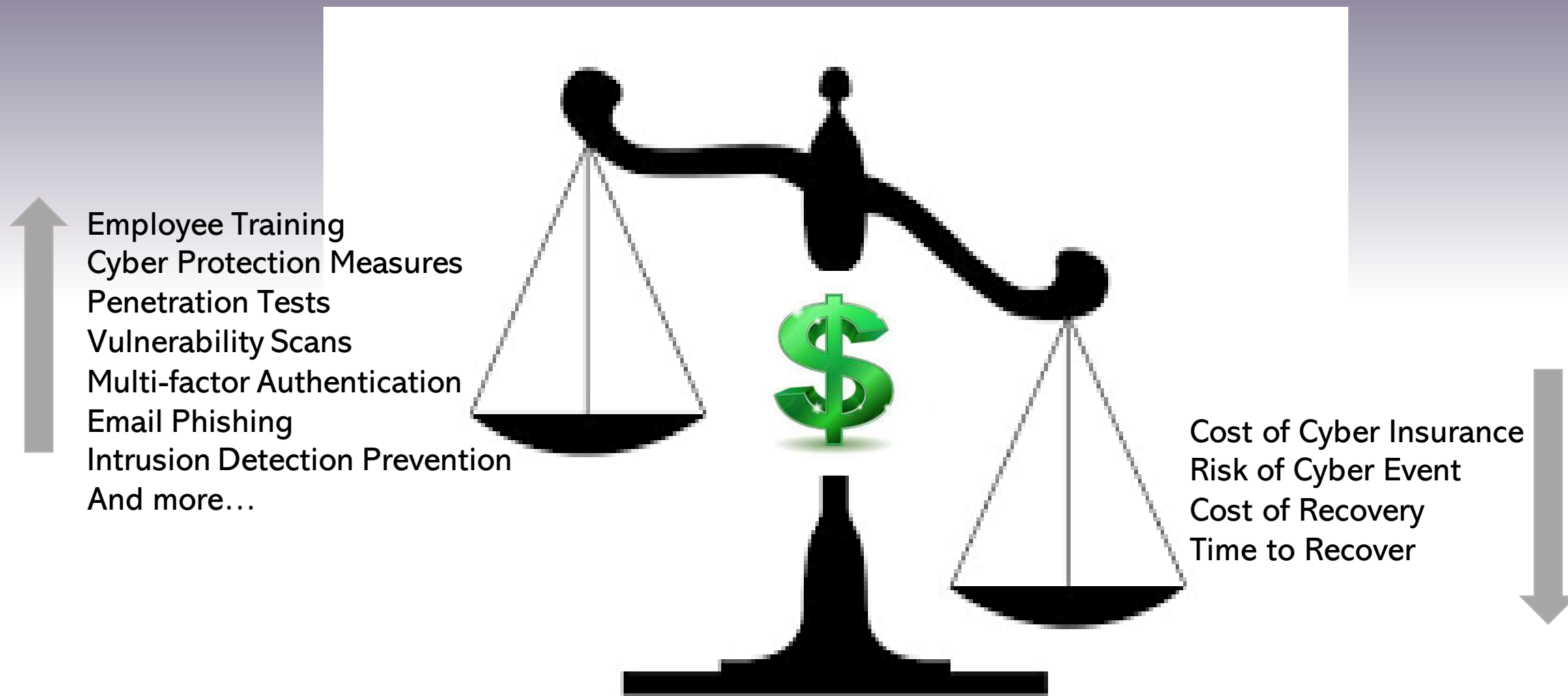


- Internal
- Comptroller's Office
- NYSED



Cybersecurity is EVERYONE's Responsibility

RISK TOLERANCE



Cybersecurity is EVERYONE's Responsibility

COSTS: CYBERSECURITY

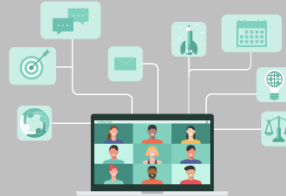
PEOPLE



ROLE-BASED ACCESS CONTROL



PROFESSIONAL DEVELOPMENT



PROCESS



REGULAR SECURITY UPDATES



PENETRATION & VULNERABILITY ASSESSMENT



INCIDENT RESPONSE



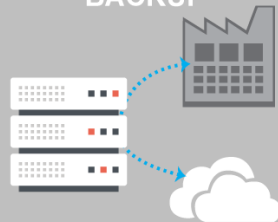
VULNERABILITY SCANNING



TECHNOLOGY



OFFSITE SERVER BACKUP



FIREWALL PROTECTIONS



NETWORK SEGMENTATION



PROACTIVE MONITORING





Specialist Insurance Brokers

10.



**POLICIES, PRACTICES
AND PROCEDURES**
FORMALISE PREVENTATIVE
MEASURES & INCIDENT
RESPONSE

1.



**LEVERAGE PROACTIVE
TECHNOLOGY**
ANTIVIRUS SOFTWARE,
SPAM FILTERS, ETC.

2.



STAFF TRAINING
MOST ATTACKS ARE STILL
CAUSED BY HUMAN ERROR

9.



PHYSICAL SECURITY
YOUR SOFTWARE ISN'T THE ONLY
WAY IN FOR AN ATTACKER

8.



BACK-UP YOUR DATA
ALWAYS HAVE A PLAN B

3.



CYBER SECURITY AUDITS
IDENTIFY WEAKNESSES IN
YOUR CYBER SECURITY

KBI

TOP 10 TIPS TO PREVENT A CYBER ATTACK

7.



**THIRD PARTY VENDORS /
SUPPLIER MANAGEMENT**
HOW IS YOUR INFORMATION
USED, STORED AND PROTECTED?

6.



IDENTITY VERIFICATION
DO YOU KNOW WHO
YOU'RE DEALING WITH?

5.



**VULNERABILITY &
PATCH MANAGEMENT**
WHAT ARE THE HOLES
IN YOUR SYSTEM?

4.



**PROTECT IMPORTANT
INFORMATION**
COMBAT DATA BREACHES

THANK YOU



Please join us in the breakout room

Ellen & Madalyn

Or email

emcdonnell@lhric.org

mromano@lhric.org