

SFA 2018 Cybersecurity Awareness Training

The Computer Security Act of 1987 requires that federal agencies improve security by providing annual security training.

At the conclusion of this training you will be able to:

- Describe the conditions under which email encryption is necessary
- Identify proper practices for creating and maintaining secure passwords



Hey.

I've got only 4 more slides just
like the last one.

But don't worry....

I'll spend as much time on
each slide as an average user
would...



What is Cybersecurity?

Loss of information or control of an information system could severely impact SFA's operations, national security, and even the safety and security of SFA employees and the American public.

Responsible and Accountable—

All SFA employees are responsible for protecting information from unauthorized access or modification.



Passwords

A password is a secret word or phrase that must be used to gain admission to something.

Each SFA who has access to a government furnished personal computing device or mobile device (e.g., Blackberry, iPhone, etc.) must secure that device with a password. Passwords must:

- Be 8 or more characters
- Use numbers, letters, and symbols,
- Change every 90 days

Passwords must not:

- Be easy to guess
- Be a duplicate of a previous password
- Be the same as your personal password at home



Email Encryption

The SFA Computer Reasonable Usage Policy of 2012 states that, “All SFA employees, whether local or remote, take precautions to preserve the privacy of all communications they may be exposed to when working in the office or remotely. Employees should recognize that someone other than the intended recipient of email messages may intercept messages and, therefore, employees must take precautions when sending emails with sensitive information (SI), personally identifiable information (PII), or controlled unclassified information (CUI). Pursuant to federal guidelines, employees must use their personal identification verification (PIV) card to encrypt all emails containing SI, PII, or CUI.”



Encryption

Encryption is the process of encoding a message so that only authorized individuals can read it. Encryption does not prevent malicious actors or unintended recipients from receiving a message, but it does prevent them from reading it.

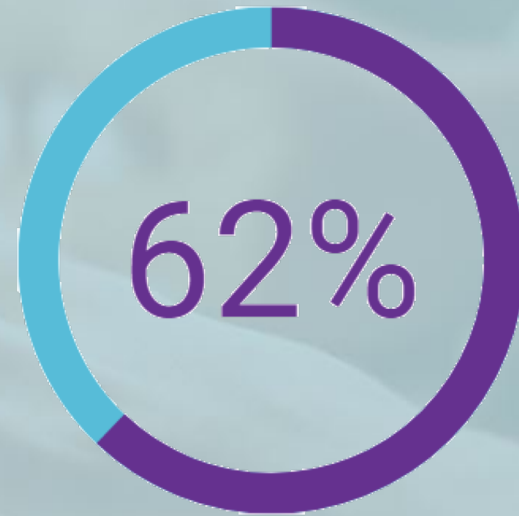
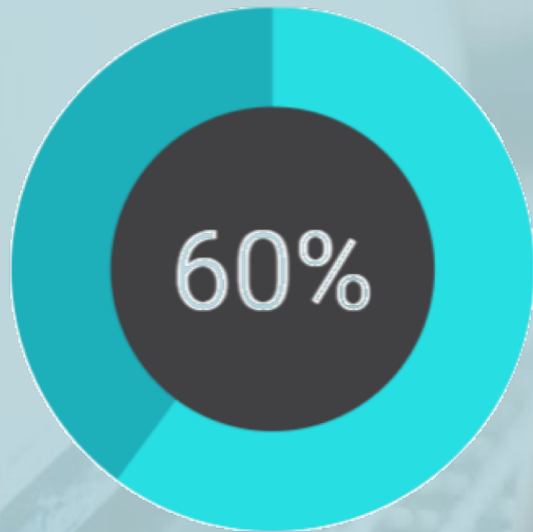
In accordance with SFA Computer Reasonable Usage Policy of 2012, emails that contain SI, PII, or CUI must have encryption enabled prior to being sent.



You & Me



Some Stats



in·san·i·ty

/in'sanədē/

noun

doing the exact same thing over and over again, expecting things to change.

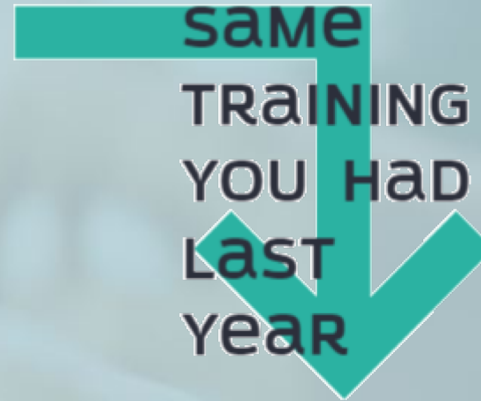
wilfregg

Recap

WANT
TO
CREATE
a
BETTER
TRAINING



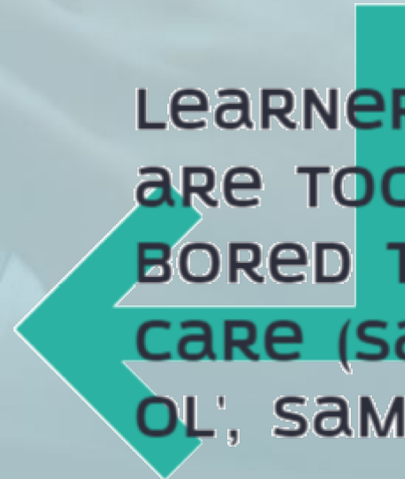
LAUNCH
THE
same
TRAINING
YOU HAD
LAST
Year



GET IDEAS
FOR WAYS
TO UPDATE
TRAINING



LEARNERS
ARE TOO
BORED TO
CARE (same
OL', same OL')

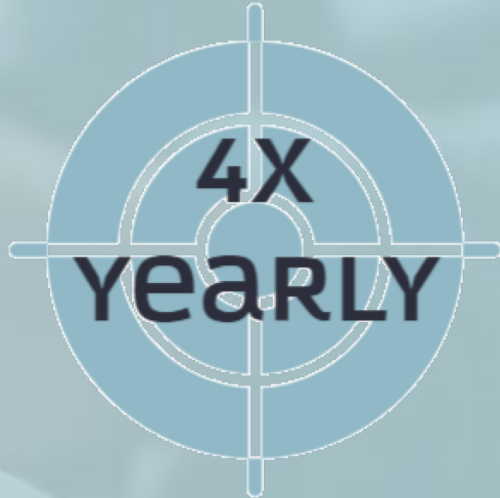






**4 - 20
min**

3 stories



**4X
YEARLY**

I Know / I Don't Need To Know

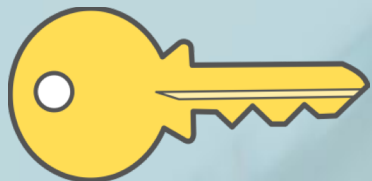
1. Define reasonable prerequisite knowledge.
2. Do not explain the law.



What does this look like?

1. Connect with people.
2. Tell a relevant story.
3. Remember that “cyber” is reality.
4. Don't talk to “employees” or a “demographic.”

*Talk to people. Moms. Dads. Sisters.
Nephews. Friends.*



GET INSPIRED BY THESE EXAMPLES



Omhaf#!#!o&otfhh@d

*Old Mcdonald had a farm, e-i-e-i-o
and on that farm he had a dog*

P!it<\$i<1936

Picture it, Sicily, 1936

idwGU!@tRUk!

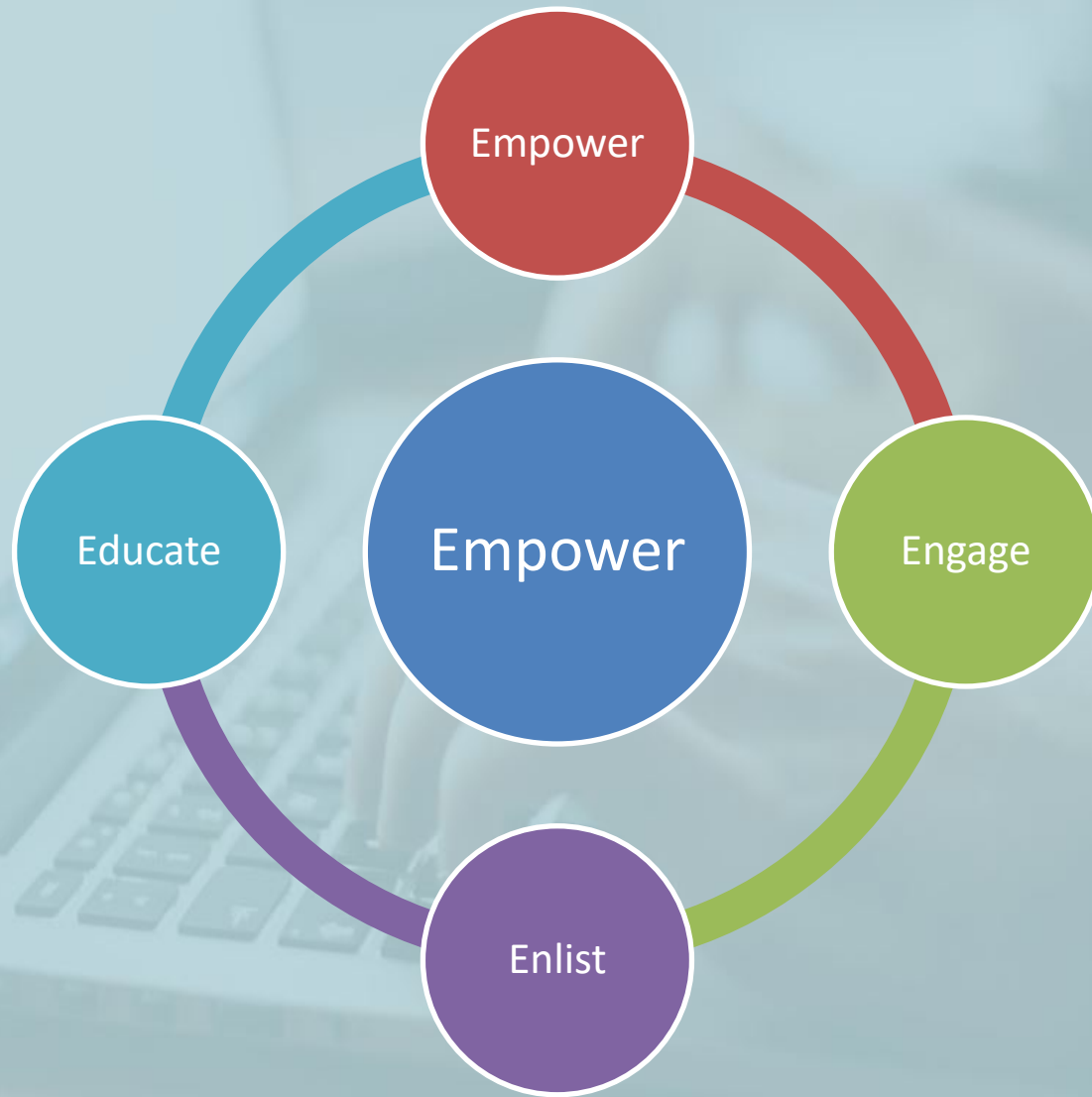
*I don't wanna grow up, I'm a Toys R
Us Kid*



A person's hands are shown typing on a laptop keyboard. The image is overlaid with a semi-transparent blue filter. In the center, there is a bright orange rounded rectangle containing the word "PRACTICE" in white, bold, uppercase letters.

PRACTICE

Once more, with feeling





...and in the end...



Additional Resources

- <https://staysafeonline.org/blog/storytelling-makes-cybersecurity-culture-stick/>
- <https://www.csoonline.com/article/3162924/security/better-security-through-storytelling.html>
- <https://thecyberwire.com/events/4th-annual-jhu-senior-executive-cyber-security-conference/communications-storytelling-for-security.html>
- http://pwc.blogs.com/cyber_security_updates/2016/09/how-to-use-storytelling-to-create-a-culture-of-cyber-security-engagement-.html
- <http://blog.tribeinc.com/2017/05/16/use-storytelling-to-educate-employees-on-cyber-security/>

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