Securing the Human: Cybersecurity Education Program

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Analytical | Adaptability | Input | Responsibility | Intellection

Cybersecurity Education Program
“Securing the Human”

Champions for Leadership
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Personal Goals for CFL

- Learn project management skills
- Increase skills in networking and security technologies
- Opportunity to interact with other CFL candidates and to collaborate with colleagues outside of my department
Project Goals for CFL

• Create a campaign of awareness of the project
• Benchmark organizational security awareness to create a baseline
• Educate staff utilizing online framework and media so they can learn to actively recognize, prevent and report security incidences and suspicious activity.
Since January 2016 K-12 Institutions have had 316 cyber incidents...
75% - 91% of intrusion vectors target **human behavior**… **NOT** machines!
How is it done?

- Indiscriminate use of social media
- Social engineering
- Phishing
- Weak passwords
- Password reuse across sites
Simple quizzes after each video...

If you are suspicious about an email from someone you know, what should you do?

- Reply to their email and ask them to verify they sent you the email
- Call them on the phone to verify they sent you the email
- Click on a link in the email to verify its authenticity
Microcerts (Badges)
Topics

• Social engineering
• Email & messaging
• Browsing
• Social networks
• Mobile device security
• Passwords
• Data security
• Hacking
• Encryption
• Ethics

• Data destruction
• Wi-Fi security
• Working remotely
• Insider threats
• Physical security
• Protecting children
• Cloud security
• FERPA
• PII
• Privacy
Phishing Outcomes

• Out of 407 Ridder Park Staff in the Pilot Group: 55 people actually opened the email (14%), 26 clicked on the first Phishing Assessment. 6% failure rate!

• Using the assessment, we identified a member of our staff using an out of date Flash player which is a potential vulnerability.
Accomplishments/Succes

• Started conversations about data security with other teams

• Created plans with my mentor and manager to create a website, newsletter, posters

• Took TAPD Coursework in: Security, Penetration Testing, Firewall Configuration, Networking and Group Policy Management
Challenges

• Underestimated the size of the project!
• Unexpected dependencies
• Proactive about deadlines
• Delegation of duties
• People don’t like extra work
Kudos!

• Monica Dvorsky and Phil Benfield
• Vince Tran and David Huie – Networking Team
• Eric Sandoval and Cindy Patterson
• Peter Daniels, Summer Reeves, Mike Bromberg
• My CFL Cohort and Dr. Brooks
• Everybody participating in our Ridder Park Pilot Group!