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AT DES MOINES AREA COMMUNITY COLLEGE

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Cyber Safety in Education

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What parents and schools tend to fear

- Predation
- Viewing inappropriate content
- Posting inappropriate content
- Cyberbullying & harassment
- Online addiction
- Online contributing to destructive, illegal, unethical or inappropriate behavior
- Device security & social engineering tactics

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Types of Cyber Safety

- Physical Safety – freedom from physical harm

- Psychological Safety – freedom from cruelty, harassment, and exposure to potentially disturbing material

- Reputational and Legal Safety – freedom from unwanted social, academic, professional, and legal consequences that could affect victims for a lifetime

- Identity, Property, and Community Safety – freedom from theft of identity & property

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From the Trenches

7 Topics related to Cyber Safety and IT Security formulated from experiences with education

1. Avoiding Online Predators
2. Deflating Cyber Bullies
3. Preparing Students (and everyone)
4. Exploring teacher-centered safety strategies
5. Considering Policy & Permission topics
6. Tracking IT assets
7. Implementing IT solutions

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+ Creeper Sweeper

Keeping Predators at Bay

No reported child predation due to school postings

- About Gaining Trust

- Suggestions
  - Education – peer awareness
  - Happy Birthday, Full Name!
  - Good group doing something – generalization in images and captions.
  - 'You are what you wear.'
  - Look through the shot – what the background reveals.
  - No Taking it back – data on the loose
  - Dropped a Contact
  - Salami has a memory.

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+ Grab the Bull(y) by the Mouse

Zero Tolerance for Cyber Bullying, Harassment, & Sexting

- Consistency, consistency, consistency, consitsency...
  - Specific policies – not your lunch-money stealin' playground affair
  - Uniformity in enforcement

- Encourage Up-Standers
  - Convey expectations/legal ramifications
  - Cultivate positive "norms" – whole school approach

- Plights, Camera, (Re)action
  - Report It
  - Do not pass it on
  - Do not retaliate
  - Change contact Information

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+ Overthrowing Naïveté's Regime

Security Education/Indoctrination important for all

- Early Bird avoids the worm
  - Before it is needed
  - For all parties
- In Passwords We Trust?
- RUU?
- 1:1 – When all for one fails
- (Fact) Check, please.
- Privacy? You mean that billboard with all of your secrets on it?

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+ Practice what you Teach

Technological Responsibility in the (virtual) Classroom

- Bad, bad link
  - Remain vigilant – common websites/previously visited links
  - Consider bridge page disclaimer
- Generic solution, potential dilution
- True 'that'?
  - Model best methods for interpreting fact
  - Beyond Google
- Copyright, I respect you
- Age-appropriateness - Complacent endorsement.

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+ Smitten with the Written

Tightening Policies & Procedures for Good and Forever

- Do bother reading, don't just click "okay"- Acceptable-Use for School Technology
  - "Kid tested, mother approved"
  - Able to enforce?
- Parental Permission to Post?
  - Student Likeness
  - Student Works
- Treat Guests like Guests

- Academic Freedom not listed on Craigslist – Faculty/Staff Usage
  - False Sense of Security – Prohibit Personal Transactions
  - Good at Farmville ≠ Tech. Authority
  - Easy, Queasy – 3rd Party Sites
  - Practice makes helpful

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Pain in the Asset
Don't Take Asset Management Lightly

Fundamentally, its about documentation

- We really should get one of those. What - we have four?
  - What can it do/tell?
  - Should it?
- It was just here - too mobile.
- It worked for me.
- The things you shouldn't have – Rogue isn't Vogue

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Fix it and (never) Forget IT
Routinely Test Procedures and Systems

Face it, you are surrounded and under attack.

- What would happen if? - Contingency Planning
  - Who knows it?
  - How would they access it?
- My backups, anyone?

- Even mayflies rejoice – the life-expectancy of a tech solution
  - Test often
  - Don't become complacent
- Great intentions = comprised systems
  - Enforce polices – don't rely on human memory
  - Permission creep
  - Exceptions undermine trust

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Questions?

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