TECHNOLOGY UPDATE
FOR NEW
BUSINESS MANAGERS - 2019

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TECHNOLOGY COSTS
MONEY AND EVERYBODY
THINKS YOU’RE
TECHNOLOGY OPRAH

YOU GET TECHNOLOGY!
AND YOU GET TECHNOLOGY!
EVERYBODY GETS TECHNOLOGY!
ISSUES THAT WILL IMPACT YOUR ORGANIZATION IN THE NEXT YEAR TO 5 YEARS

21st Century Education: 1:1, BYOD, Cloud Computing, Open Source...

e911 Compliance: December 2019

Spending Something to Get Something?

• NMC Horizon Report 2018
  • Artificial Intelligence (AI)
  • Extended Reality (XR)
  • Collaborations and Partnerships
  • Digital Literacy
  • Digital Learning
  • Innovation
  • Learning Analytics
  • Learning Space
  • Open Educational Resources (OER)
BYOD – Bring Your Own Device
One to One
Cloud Computing
Open Source
VR – Virtual Reality

Do you have the Infrastructure to support the technology needs?

E-Rate Eligible
- Wireless Network (WIFI)
- Network Cabling and Switching
- Internet Connection

Not E-Rate Eligible
- Data Center – Servers and Storage
  Area Network (SAN)
Hurdle to Success
CoSN Organization

Ongoing Professional Development
Teachers aren't always privy to or encouraged to pursue continued formal/informal training to upskill.

Technology and the Future of Work
Developments in artificial intelligence and robotics are driving changes in the workforce, and schools have a responsibility to understand how emerging technology impacts the skills students need to be successful in their continuing education and careers — and adjust learning experiences accordingly.

Pedagogy vs. Technology Gap
When new technologies are introduced and mandated, teachers do not always have sufficient training or professional development to understand how they can integrate into their curriculum and effective practices.

Digital Equity
Not every student has sufficient internet connectivity or access to tools/technologies; not all schools can afford the latest equipment.

Scaling & Sustaining Innovation
Whether it be effective teaching practices or technology usage, schools are challenged to adopt what is working well at a small scale and persistently apply it at a school, district, or state level.

TOPICS YOU NEED TO KNOW SOMETHING ABOUT:

Total Cost of Ownership (TCO) & Return on Investment (ROI)

Standardization & Sustainability

The Big “Why?”
EVERYBODY THINKS YOUR JOB IS TO CRUSH THEIR DREAMS AND SAY NO

TELL ME AGAIN

HOW THIS WILL INCREASE STUDENT ACHIEVEMENT?

YOU CAN BE THE HERO BUT THE JOB WILL BE TOUGH

THIS IS FINANCE!
DISCUSSION POINTS WITH YOUR TECHNOLOGY DIRECTOR

Refurbished / Leased Technology

Project Management, Process Improvement, & BIA (Business Impact Analysis)

Consolidation/Collaboration/Outsourcing

The Hexagon
An EBP Exploration Tool

The "Hexagon" can be used as a planning tool to evaluate evidence-based programs and practices during the Exploration Phase of Implementation.

Download available at:
www.aaf-ip.org/methods-and-resources

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Evidence

Evidence for Implemenation
- Qualitative data
- Focus group feedback
- Interviews with stakeholders

Evidence for Readiness
- Efficacy data
- Impact data
- Comparison data

Evidence for Resources
- Cost data
- Participant feedback
- External support

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• Does your organization have a process on what the right work is
  – Hexagon Tool

• Does your district have a Technology Plan

• It is the Technology Directors Job to help determine what the Total cost will be and up to the administration to decide if they can afford it.

• If you are taking on projects without knowing the total cost including the departments labor and if there is the resources available, you may end up with a project that is not successful.

THERE IS HELP OUT THERE

DID SOMEONE SAY

MONEY?
WHERE WILL THE MONEY COME FROM?

- E-Rate Funding
- Sinking Fund Millage
- Bond Issues
- REMC.bids.org, Statewide Bids, Maintenance Contracts
- Title Programs

OK TIME NOW TO TALK ABOUT SPENDING MORE MONEY

SHUT UP AND TAKE MY MONEY
A Note On Ransomware:

WARNING!

Your personal files are encrypted!

11:58:26

Your documents, photos, databases and other important files have been encrypted with strongest encryption and unique key, generated for this computer. Private decryption key is stored on a secret Internet server and nobody can decrypt your files until you pay and obtain the private key. The server will eliminate the key after a time period specified in this window.

Open http://maktubuyatq4rfy0.onion.link
or http://maktubuyatq4rfy0.torstorm.org
or http://maktubuyatq4rfy0.tor2web.org
I’m not worried, it’s my technology director’s/ISD’s job.

If I don’t ask my tech director, he can’t tell me bad news.

Training: Technology Changes Frequently

CTO: Chief Technology Officer
Training

Was money budgeted for training?

Good rule of Thumb is budget 20% of the hardware cost in training so that the technology project is successful.

CTO Courses:
- Overview of School Finance for Technology
- Organizational Technology Audits
- Security/Disaster Recovery
- Technology Policies
- Vision, Strategic Planning & Implementation
QUESTIONS? ASK A TECHNOLOGY DIRECTOR.

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