

EDTech: Getting IT Right for the Future

Mr. Jeff Collett
Gahanna Jefferson Public Schools
Director of Technology



Mr. Christopher Deis
Marysville Schools
Technology Director
& Chief Information Officer



Mr. Paul Ross
Bexley City Schools
Director of Technology



20

61

1700

25

3,725,000

2

14

143

18

3,950,000

124

19

By The Numbers^{growthX}

11

15200

13,710

5350

6,604,000

2750

1188

3.0

1950

1450

168

2.3

300%

20

Assessment
Systems

61

Years of Experience

1700

Faculty & Staff

25

Schools

3,725,000

Emails processed in the
last 30 days

2

Countries

143

Cloud and Vendor
Systems Managed

18

Desktop & Network
Technical Support
Staff

14

Educational Entities

3,950,000

Capital & Operational Budgets 2015/2016

124

Professional Development
Offerings

19

Major initiatives in
2016/2017

By The Numbers^{growthX}

15200

Current Students
Served

13,710

Devices Managed

5350

Desktop Devices

6,604,000

Files Stored

11

Professional Licenses
& Qualifications Held
by Directors

1188

Wi-Fi Access Points

3.0

Gb/S of Internet
Bandwidth

1950

Mobile Devices

1450

Physical & Virtual
Servers

2750

Number of 1:1
Devices

2.3

Average Devices
Per Student BYOT

300%

Recent Growth In Internet Bandwidth

168

Learning and access
is now a 24x7 endeavor



Growth is Exponential Think Back 10 Years

*What has changed, what remains the same!
Apply a technology lens to your viewpoint.*



MARYSVILLE
Exempted Village School District



Today we'll discuss



Your Questions & Ideas (through out)

Why is this an important topic?

Technology & Service Profiles

Trends in Education

Connecting Students & Communities

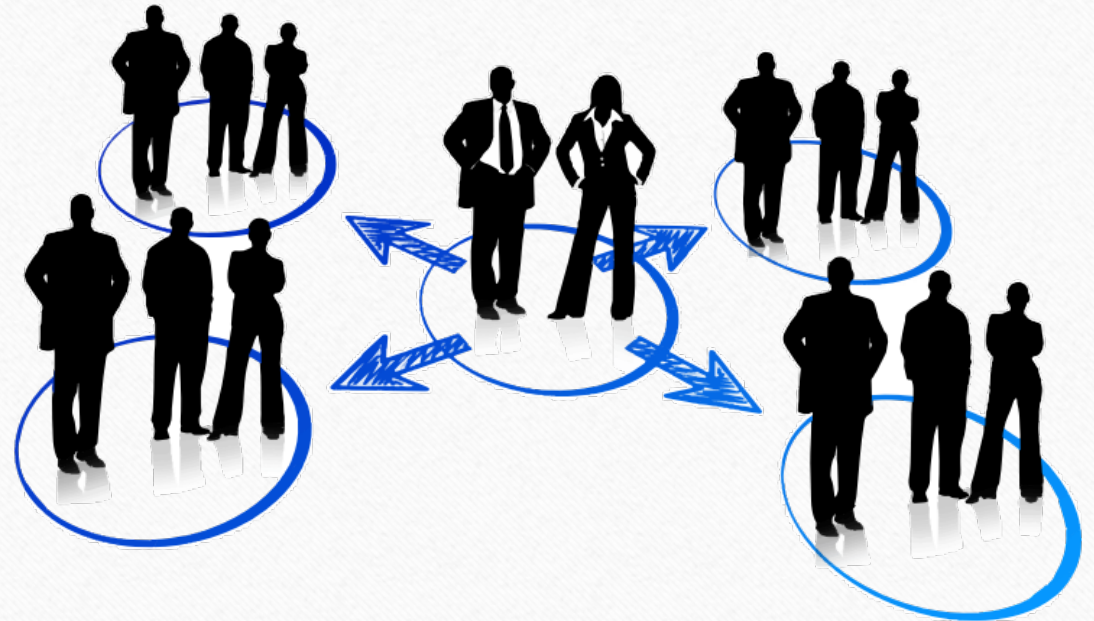
Adapt & Transform

Q&A and Pilots

Why?

Why?

- Technology is an integral part of a school district & community
- Student impact > student experiences
- Representation, responsibility and active participation required
- Technology Leadership and services connecting people and projects
- The systems thinking approach



- IT as service organizations
- Problem solving for new challenges
- Building relationships

Profiles

Profiles

2005



District technology profiles vs corporate counterparts

Then and now a 10-year comparison of school technology

Technology staffing roles and responsibilities

2016



Profiles – Corporate Comparisons

K-12

- 1 tech position per 700-1200 devices
- Specialty – device, database, server, storage, wireless, etc. Support
- Budgets...

Corporate

- 1 tech position per 70-120 devices
- Specialized job functions

2005 10 Year Comparison 2016

- Device mobility
- System complexity
- Continuity
- Best Practice



2005

2016

Profiles – 10 Year Comparison

2005

- Device mobility
- System complexity
- Continuity?
- Best Practice?

2016

- * as a Service
- Mission Critical Services
- Directory in the cloud
- The "Cloud"



Profiles – Technology Staffing

Operational Technology

- General Technicians
- Desktop Support
- Help Desk
- Mobile Specialists
- Audio Visual Installers
- System Administrators
- Network & Server Admins
Physical & Cloud
- Infrastructure Managers
- Secretarial Assistants

Educational Technology

- Technology Coaches
 - Full-time, Part-time
 - Teachers on stipend
- Technology Trainers
- Full-time Technology Educators

New Functions

- Data Analysis Formative and Summative Assessments – State & Vendor Assessments
- EMIS & Reporting
- District Assessment Coordinators

+ Professional Technology Leadership

Director / CIO / CTO / Assistant Superintendent

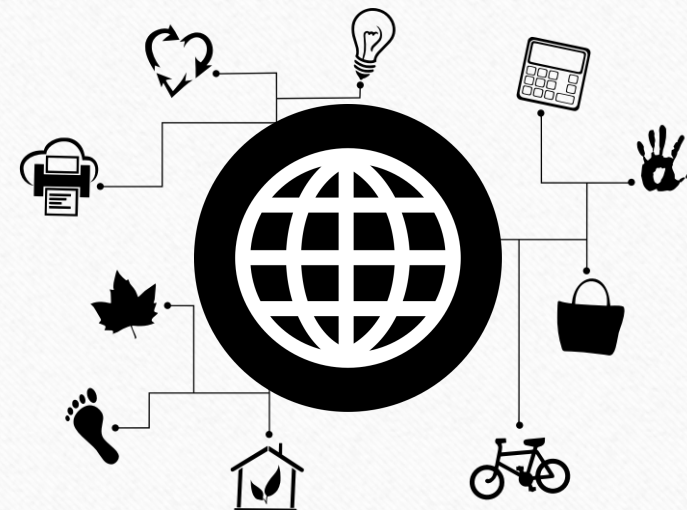
Cabinet Level Participants, Core Technology Qualifications, Experience in Education, Licensed, Post Graduate Qualifications, Policy & Governance Experts, Commitment to Professional Development, & Strategy & Vision.

Adjustments based on district size
Operational & Educational Technology
(under one umbrella)

Trends

Trends

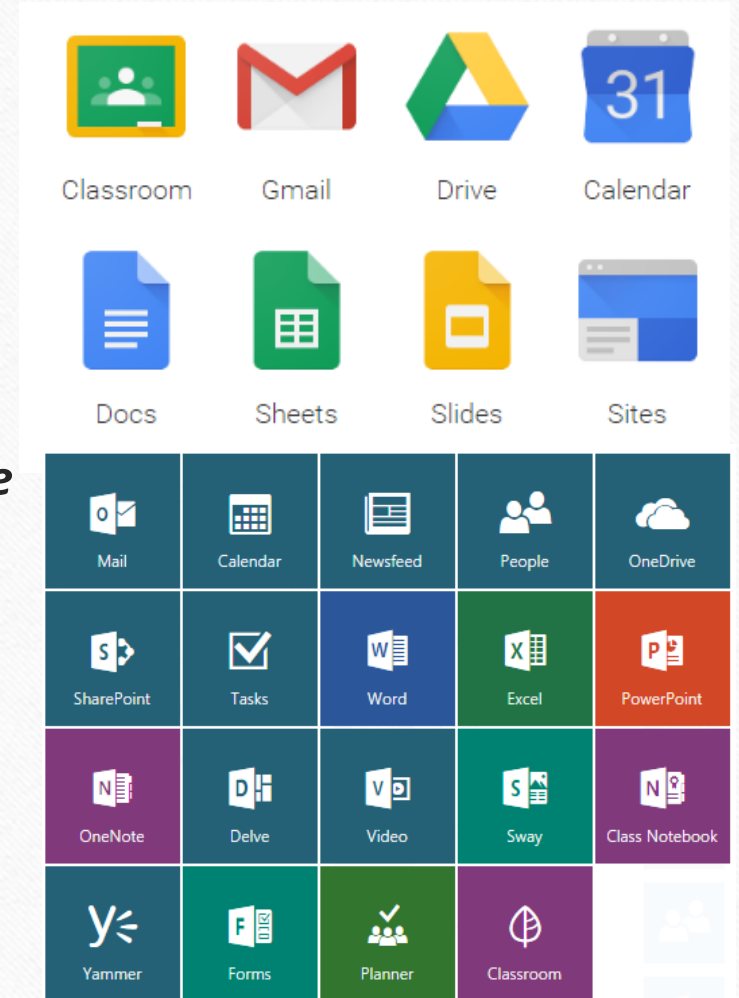
- Everything As A Service, what does this mean?
- Educational continuity planning & disaster recovery
- Customized and personalization of learning
- Ubiquitous access to devices 1:1
 - ***District owned, BYOT, leased etc.***
- Anytime and anywhere learning, time is the variable, learning is the constant
- Open Educational Resources and teacher curated collections
- The Internet as the 5th Utility



Connecting Students & Communities

Connecting Students and Communities

- Services across devices and platforms
- Infrastructure – wireless access, internet, & bandwidth
- Complexities and scale of the education enterprise
 - *many schools have more technologies than most businesses*
 - *measurement metrics and evaluating a technology enterprise*
- Merging communication platforms
- Cloud productivity platforms
 - *Google G Suite for Education, Office 365, Dual Platforms*
- Changing paradigms, technology, curriculum, instruction, delivery methods and services



Adapt & Transform

Big Ideas / Big Questions

Adapt & Transform Big Ideas / Big Questions

- Technology Best Practices – CMMI, ISO20000, ITIL
- Defining best practices that exist in schools
- Sample best practices in our schools
- Technology Silos!
- Sustainable practices and stakeholder engagement
- Conversations, participation and engagement
- Peer Networks in K-12 and mentoring
- Transforming curriculum delivery & student experiences





MARYSVILLE
Exempted Village School District

Best Practice Example

Marysville Schools – Collaborative Results Model

In Marysville:

- Adopted 1:1 in grades 5-12
- Focused PD on blended learning and competency based education



And Beyond:

- Created partnership for Ohio Blended Collaborative
- Intense PD on developing full blended learning courses shared across 8 school districts (Marysville, Dublin, Olentangy, Westerville, Fairbanks, North Union, Perrysburg, North Canton)



Best Practice Example

Gahanna Schools – Make Technology work for you

- **Insource after failed outsource**
 - Insourced vs. outsourced vs. Right-sourcing vs. staff augmentation - Find your balance
- **What does technology support mean**
- **Keys to success**
 - District Technology plan/direction
 - Service level agreement/objectives
 - Communication
 - Stake-holder input - Pilots



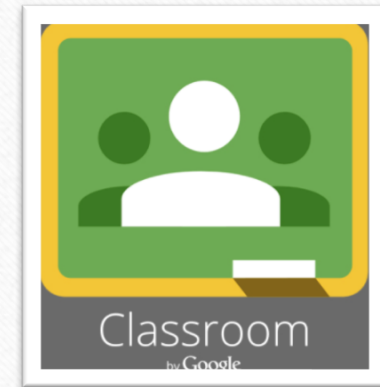
Best Practice Example

Gahanna Schools – Proof of Concept



Pilots

- Clear timeline, goal, & procurement plan
- Open communication and transparency
- Involve... everyone
- Cost based on 5 year forecast



Best Practice Example

Bexley Schools – Tech Ready Program

- 7 Years – Now consists of a 16 Point Checklist
- Focuses efforts & schedule, before start of school
- Eliminates Guess Work – Provides Certainty
- Faculty fully informed through summer period (Tech Updates), Summer PD program for teachers.
- Tech staff work is spread throughout the school year and not concentrated over summer
- It's a Kickstarter program for the start of school assists teachers, students and administrators



Q&A

Everyone always wants more



bandwidth, devices,
space, speed, services,
access points, apps,
software, time, budget,
staff, and projects.

All aligned to educational outcomes & experiences.



How to Contact Us



Mr. Jeff Collett
Gahanna Jefferson Public Schools
Director of Technology
Email: collettj@gjps.org



Mr. Christopher Deis
Marysville Schools
Technology Director & Chief Information Officer
Email: ckdeis@mevsd.us
Twitter: [@christopherdeis](https://twitter.com/christopherdeis)



Mr. Paul Ross
Bexley City Schools
Director of Technology
Office of Technology, Teaching & Learning Services
Email: Paul.Ross@BexleySchools.org
Twitter: [@BexleyTech](https://twitter.com/BexleyTech) [@AussieEdTech](https://twitter.com/AussieEdTech)