The SMART and Safe School Campus

Fran Mauney and Brent Odom
• Educator
• Discovery EducatFormer Technology Integration Specialist: Instructional Technology Facilitator
• Wrote District Technology Plans and School Technology Plans
• Trained teachers and administrators how to integrate technology in the classroom
• Modeled lessons with students: Gradual Release of Responsibility
• Piloted 1:1 initiative for Title 1 Schools
• Piloted Discovery Education Science Techbook, Student Response Systems, Promethean ActivInspire Software and ClassFlow
• Microsoft Innovative or Network STAR Teacher
• Trained teachers and students how to use Microsoft Office Tools
• Presented at ISTE 2013, 2014, SC Edtech, Coordinator of Upstate Technology Conference,
• SCASL, SCIRA
• Greenville County Distinguished Reading Teacher of the Year
• Teacher of the Year 3 Times
• Adjunct Professor for College of Charleston 2009-2014
• Grant writer and winner of several grants
• Curriculum writer for SC State Department of Education
• 1st and 2nd grade teacher
Brent Odom

- M.Ed. in School Administration & Supervision – Clemson University
- 12 Years in Public Education
  - High School Social Studies and Leadership Teacher
  - Middle School Administrator
  - High School Assistant Principal & Interim Principal
  - School & District Accreditation Committee Chair
  - School & District Technology Committees
  - Leadership Team that helped open new middle school
  - Mentored teacher and school administrator candidates
  - BYOD & 1:1 school technology committees
  - Managed school budgets, teacher evaluations, professional development
  - School Grant experience – writing and awards
  - Transitioned schools from paper to online government-mandated testing
  - 9 years’ experience in a large, metropolitan school district
  - 3 years’ experience in a small, rural school district
- SYNNEX Education Program Manager
  - Largest Public-Sector Vertical at SYNNEX
  - Education subject-matter advisor
  - Consultant for SYNNEX Campus & Learning Solutions and Professional Services
  - Sales team training & coaching for education market
  - Thought-leader for educational trends, research, policy interpretation
Your School’s Tech Story
Safe, Secure, & Efficient Schools

- IoT / SMART Campus
- Personal Safety of Students & Staff
- Updated technology as a tool to help administrators and law enforcement officers

Safe & Vibrant Communities

- Productive Citizens
- Economic Growth & Business Outcomes
- Partnerships between schools and law enforcement
Policies and Procedures
What is Important?

Policy, operations and fiscal challenges persist for schools

**Efficiency**
Smarter schools through IOT & analytics

**Measuring Impact**
Measuring outcomes, not devices

**Managing Costs**
Making smarter financial decisions for education

**Security**
Keeping students & their private data safe
Campus Infrastructure Trends

- Increased funding for school safety due to recent events
- Average age of a US School Building is 44 years old / 12 years since schools have been renovated
- Upgrades to bring schools up to standard
- Migration to IP based systems
- SMART Campus
Developing a Plan

- PASS (Partner Alliance for Safer Schools)
  - Combined effort between SIA and NSCA
  - www.passk12.org
  - Tiered Solution

- Risk Assessment
- Implement a tiered plan
- Cyber Security
- Partnerships with local law enforcement
Technology Solutions for Campus Safety

- Visitor Management
- Access Controls
- Security Cameras
- Video Management
- Video Viewing on tablets, consoles, or command center
- Parent Notification
- Threat Detection
- Situational Awareness
- Facial Recognition
School Bus Management

- Wi-fi Router
- Security Cameras streaming back to transportation hub or school
- Bus tracking
  - Apps for parents, students, and administrators
- Automated driver logs
IoT / Connectivity Solutions

- Asset Tracking
- Water, Temperature, Energy: Smart Building
- Gunshot Detection
- Artificial Intelligence through Cloud Data Analytics
- Digital Signage
- Smart Parking
Funding

- NEW – Consolidated Appropriations Act of 2018 with reauthorization of funding for school safety grants administered by DOJ ($25 million for school security technology)
- STOP School Violence Act
- Partnerships with local law enforcement agencies
- Education Grants – Federal, State, Local, Foundations
What Can Technology Solve for Your School?

- Share with groups
Ticket Out the Door

- What would you like to implement in the future?
  - Technology Plans
  - PTA Grants
  - Site Assessment
  - Partnerships