

Jefferson County Public Schools

ARMAC



Information • Integration • Innovation

How does JCPS IT3 Identify, Mitigate, and Manage Technology Risks?

Framework

Continuous Improvement Efforts

Committees / Work Teams

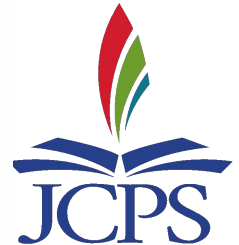
Systems and Awareness



Achieve digital safety, privacy, and security for JCPS students and staff while supporting instruction and daily operations.

IT3 Risk Management Framework

- National Institute Of Standards and Technology Cybersecurity Framework (NIST CSF)
 - Identified framework
- JCPS IT Policies & Procedures
 - Created policies & procedures



IT Risk Management

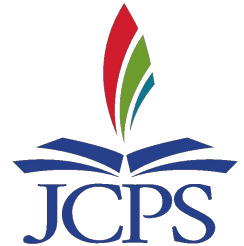
Continuous Improvement Efforts

Organizational Coherence

- IT reorganization - repurposed positions to focus on cybersecurity roles and responsibilities
- Hired Manager of Cybersecurity

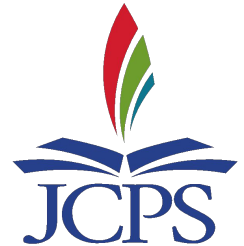
Technical Controls

- Microsoft A5
- Google Suite Enterprise Solution
- Data Loss Prevention
- Self Service Password Reset, Multi-factor authentication, and Passphrase
- JCPS Critical Systems - moving to cloud based solutions
- Network Infrastructure upgrade
- Cybersecurity Awareness Training



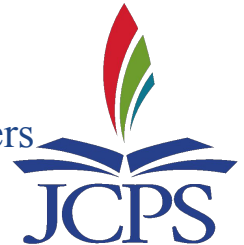
IT3 Risk Management Committees / Work Teams

- Software Approval Task Force
- Cybersecurity Task Force
- IT3 Risk Management Committee
- JCPS Risk Management Executive Committee



IT3 Risk Management Systems of Awareness

- IT Risk Assessment
- Targeted vulnerability assessment
 - Google Domain and Application Vulnerability
 - Amplified IT
- Data Governance
- Network and application analytics, security awareness
 - KnowBe4
 - EdPrivacy
 - Network analytics
 - BrightBytes - EdTech Impact
 - Threat Intelligence Feeds including MSRC, NVD and others



Closing Remarks / Questions

