

JEFFERSON COUNTY
PUBLIC SCHOOLS

IT³

Information • Integration • Innovation

Jefferson County Public Schools

Digital Transformation Update

01

Innovation

02

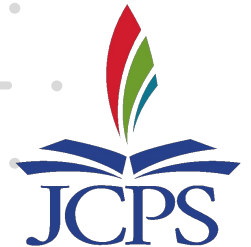
Integration

03

Information

04

Digital Privacy, Safety, & Security



Technology Innovation

Future State

The future is now...



**Digital Agility Partnerships -
Microsoft, Google, Apple**



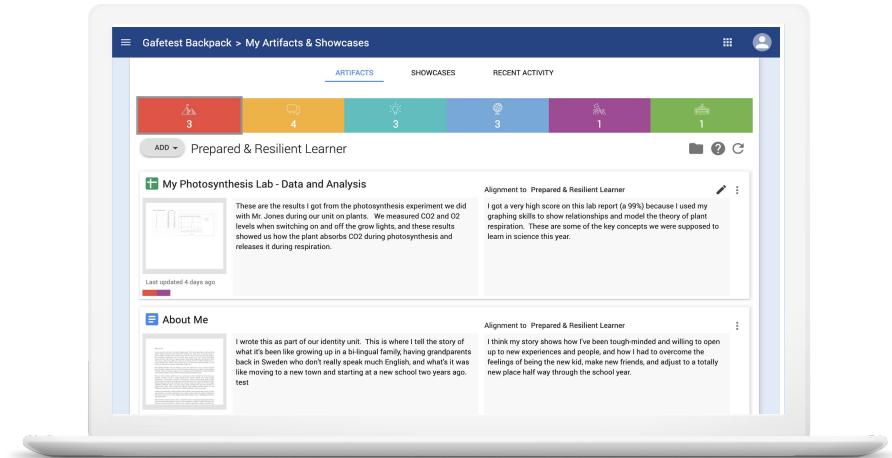
Artifact Design Studio Collaboration



JCPS Digital Learning Channel



Backpack of Success Skill Showcase



Technology Innovation

Did you know?



84% of principals received digital leadership coaching support



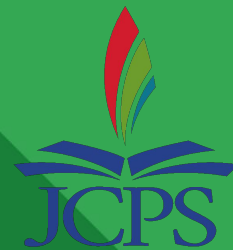
88% of teachers received Google Classroom Training



Nearly 20,000 views of the JCPS Digital Learning Channel



82% increase of teams competing in STLP since last year



Technology Integration

Future State

The future is now...



Customer CARE



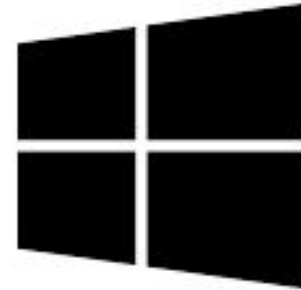
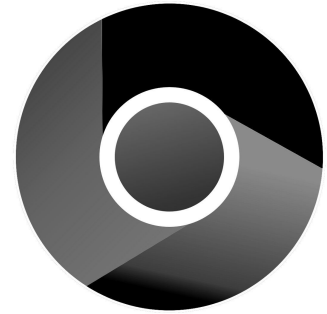
Customized Application Training



Software Integration



KETS Management & Reporting



Technology Integration

Did you know?



Verizon Innovative Learning Partnerships



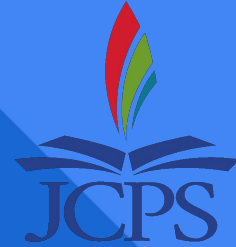
Expanding VILS Processes District-Wide



Competitive Robotics Teams



KETS Purchasing Support



Information Technology

Future State

The future is now..

Network Infrastructure

Custom Development and Business Applications

Technical Support

Cybersecurity



Technology Information

Did you know?



In preparation for online assessment, the JCPS network upgrade will include 10,000 wireless access points



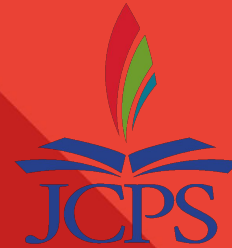
Developed the Student Success Dashboard, Equity Scorecard, & Backpack League registration



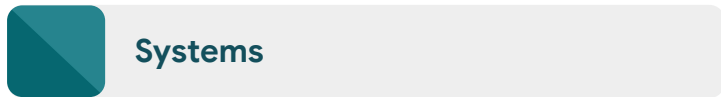
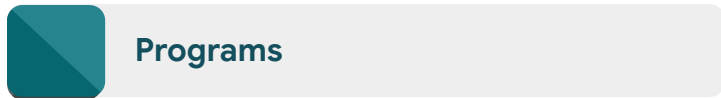
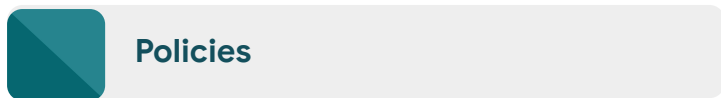
A robust infrastructure is one that delivers device, network, and technical support needs for students and staff



Kentucky K-12 receives over 4 billion cyber attacks annually



Digital Privacy, Safety, and Security



Digital Privacy, Safety, & Security

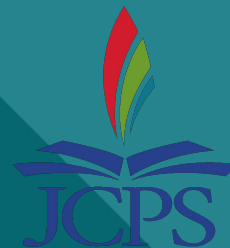
Did you know?

There are human factors that impact cybersecurity. Human behavior is responsible for 43% of data loss in organizations

JCPS detects and protects 10,000 advanced spear phishing email messages weekly

There are over 3 million JCPS Microsoft One Drive & Google Drive files created in one month. Over 100k files created daily.

There are 366 cloud based software applications on the JCPS network



Digital Privacy, Safety, and Security

Enhancements

Organizational Coherence

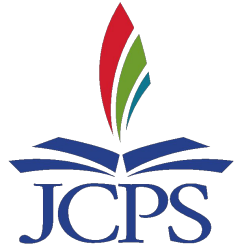
- IT reorganization - repurposed positions to focus on cybersecurity roles and responsibilities

Technical Controls

- Microsoft A5 upgrade
- Google domain audit
- CIS controls - Center for Internet Security

Systems of Awareness and IT Risk Management

- IT risk assessment
 - Risk management committees
 - Systems implementation - Technical controls and human behavior
 - Data governance
-



Digital Privacy, Safety, and Security

Future State

Organizational Coherence

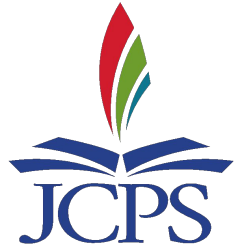
- Request to add Assistant Director of Digital Privacy and Cybersecurity
 - Categories - application security, network security, information systems security, cyber security analyst, and information systems engineer

Technical Controls

- Google Suite Enterprise for Education
- Network infrastructure upgrade
- Network and application analytics & security analytics

Systems of Awareness and Risk Management

- Digital privacy, safety, and security website
- Policy / procedures, programs & incident responses



JCPS IT³

- Digital Agility
- Artifact Design Studio
- Digital Learning Channel
- Backpack of Success Skills Showcase

- Robust Network Infrastructure
- Cybersecurity
- Custom Development
- Technical support

