Katy Independent School District

Strategic Plan | Specific Result Report

Goal 4 Action Plan Year 2 Priorities – 2023-2024

Call to Action:

Katy ISD learners, through active engagement, achieve individual success while making positive contributions in an ever-changing world.

Goal 4:

Katy ISD will create and sustain best-in-class infrastructure to securely accommodate the current and next generation of digital content and tools for all stakeholders.

Specific Result:

4.1 Continuously provide secure, sustainable, and adaptable technology infrastructure through the use of advanced cloud-based technology.

Summary Report:

Throughout the 2023-2024 school year, Katy ISD has achieved notable milestones in its cloud technology modernization efforts:

- **Strategic Hiring:** The district successfully utilized ESSER funds to hire a Cloud Engineer, establishing a pivotal role dedicated to advancing cloud-based technologies.
- **Comprehensive Assessments:** Thorough assessments of the existing on-premises environment provided crucial insights into architectural footprints and resource allocations, guiding informed decision-making.
- **Successful Pilots:** Through pilot projects, the district tested and implemented various cloud-based solutions for file storage, backup integrations, disaster recovery, and security enhancements, demonstrating a proactive approach to technology adoption.
- **Migration Success:** Significant achievements include migrating all individual user's data from on-premises server storage to OneDrive cloud storage and migrating campus related collaborative data to SharePoint. This migration accounted for more than 100 TB of allocation storage.
- **Enhanced Security Measures:** Implementation of robust security tools and protocols for the cloud and on-premises environment, including real-time monitoring, threat detection, and improved authentication mechanisms, reflecting the district's commitment to safeguarding sensitive information.
- **Introduction of VDI:** Successful introduction of Virtual Desktop Infrastructure (VDI) technology in select classrooms, enabling access to resource-intensive applications like Microsoft Office Suite and paving the way for further expansion to accommodate diverse educational needs.

These achievements underscore Katy ISD's dedication to leveraging cloud-based technologies to enhance operational efficiency, data security, and educational opportunities for students and staff.