

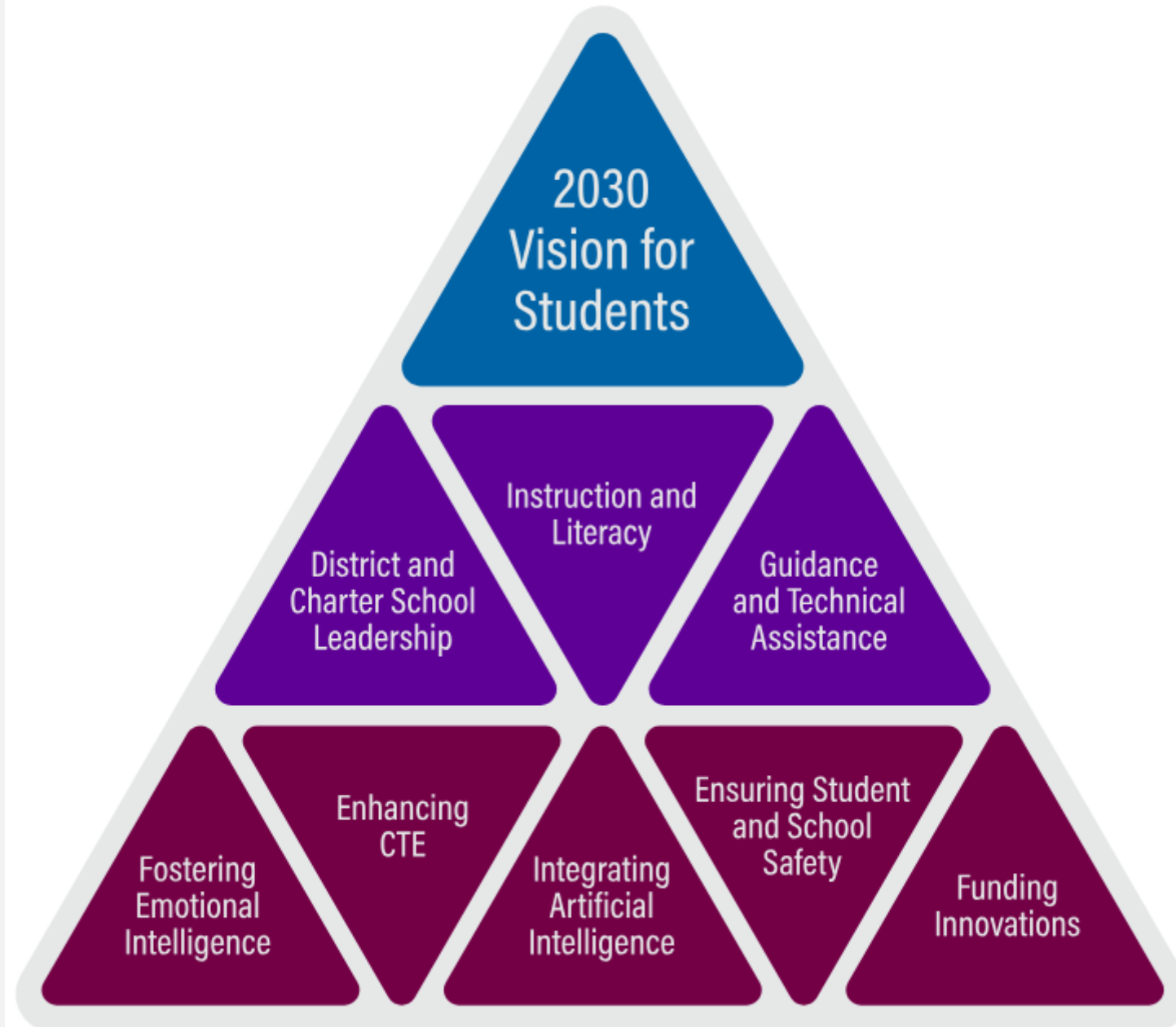
WELCOME *to*
NEXUS

OCDE Information Technology 2030: The Next Frontier

A strategic vision for the technological transformation of education in Orange County and beyond, in support of OCDE's 5-3-1 and ACCESS 2030 Strategic Plan.

Orange County Department of Education

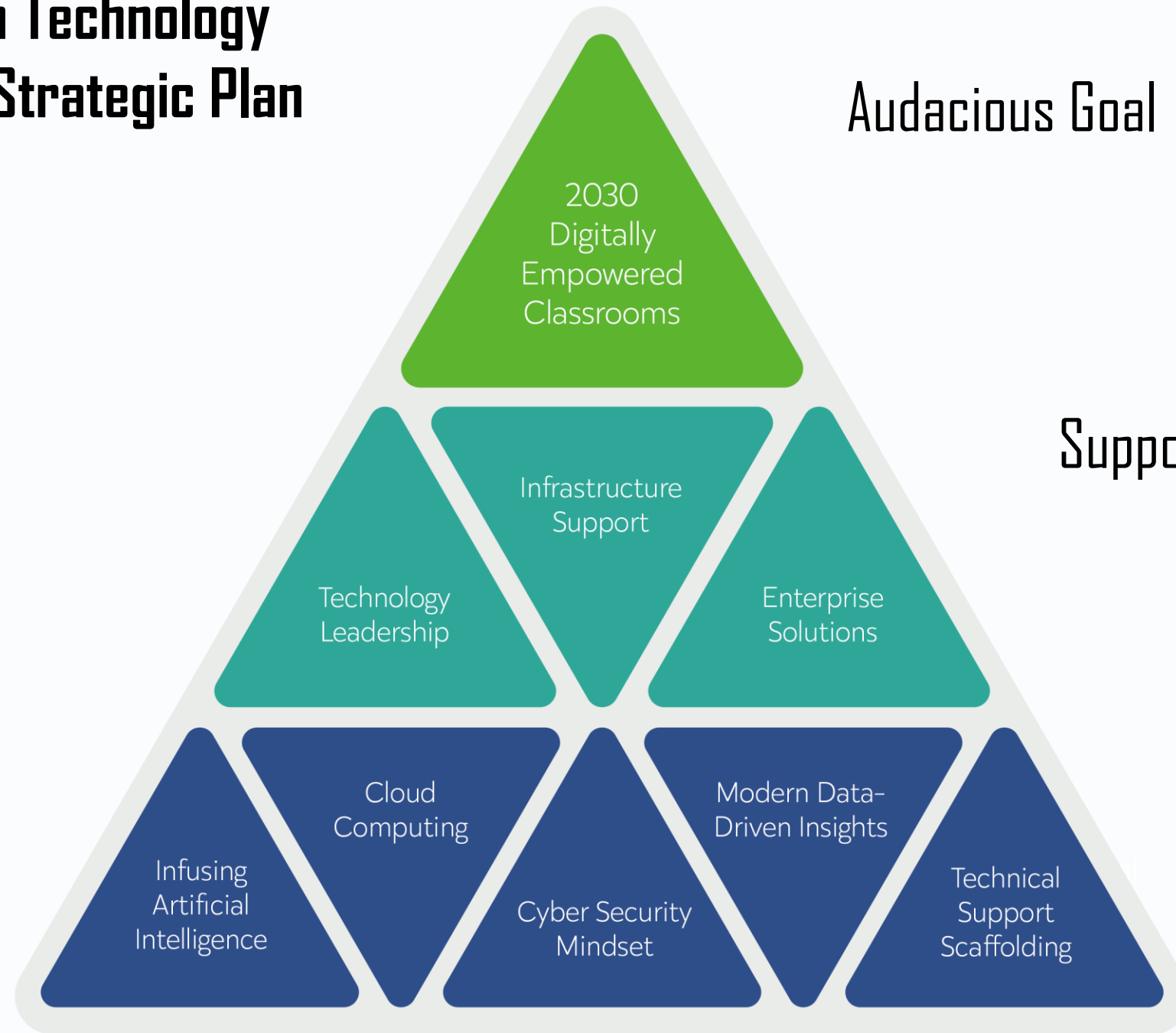
5-3-1 Strategic Plan



Orange County Department of Education

Information Technology

2026-2030 Strategic Plan



Audacious Goal

Support Objectives

Priority Initiatives

5 - Priority Initiatives



Infusing Artificial Intelligence

Rapid advances in AI, immersive technologies, and digital platforms are fundamentally reshaping society, economy, and education systems worldwide.



Cloud Computing

Leveraging Cloud solutions to provide resilient and feature-rich solutions for OCDE staff and school districts.



Cyber Security Mindset

Ensure that our staff and data is continually safe from ongoing and future threats.



Modern Data-Driven Insights

Empower staff to make decisions by applying analytics and visualization tools to transform raw data into actionable strategies.



Technical Support Scaffolding

Continually invest in ways to provide excellent customer service and building the foundational technology that enables secure, seamless, and efficient communication between systems, staff, and students.

Infusing Artificial Intelligence

Our goal is to strategically integrate Artificial Intelligence to revolutionize education and operations, equipping both students and staff with the tools and skills necessary for the future. This initiative focuses on leveraging AI to create personalized experiences, enhance decision-making, and drive efficiency across OCDE.



Artificial Intelligence Integrations

Embed AI solutions into existing business systems such as Payroll, HR, Time and Attendance and BusinessPlus.



Secure and Accessible Data Pipelines

Implement data integration tools and governance policies to make clean, reliable data available while protecting sensitive information



Operational Efficiency

Use AI assisted scheduling, routing, and resource allocation for departments and programs. Provide staff and student support with early-warning systems for attendance, academic performance, and well-being, using predictive analytics.

Cloud Computing

Embracing cloud technologies is central to our vision for OCDE's future, offering unparalleled agility, security, and innovation. This strategic shift empowers our infrastructure to meet evolving demands, ensuring seamless service delivery for staff and districts.

Scalability & Flexibility

Adapt quickly to growing demands and changing educational needs without significant hardware investments.

Enhanced Security & Reliability

Benefit from advanced security protocols and robust disaster recovery solutions, protecting critical data.

Cost Efficiency

Optimize operational costs through pay-as-you-go models and reduced on-premise maintenance.

Accessibility

Provide staff and students with secure, anytime, anywhere access to essential resources and collaboration tools.

Cyber Security Mindset

In an increasingly interconnected world, safeguarding our digital infrastructure and sensitive data is paramount. Our commitment to cybersecurity ensures the integrity, confidentiality, and availability of all OCDE systems and information.

Proactive Threat Detection

Deploy cutting-edge tools to identify and neutralize cyber threats before they impact our operations.

Robust Data Protection

Implement strong encryption and access controls to secure sensitive educational and operational data.

User Awareness & Training

Empower staff and students with the knowledge and skills to recognize and avoid cyber risks.

Resilient Incident Response

Develop and test comprehensive plans for rapid containment and recovery from any security breaches.



Modern Data-Driven Insights

Leveraging robust data analytics is crucial for transforming raw information into actionable insights. Our focus is on empowering all stakeholders with the clarity needed to make informed decisions, optimize operations, and significantly improve outcomes across the county.



Empowering Decision-Making

Provide leaders and educators with real-time data to support strategic planning and daily operational choices.



Improving Student Outcomes

Utilize student performance data to identify trends, personalize learning pathways, and tailor interventions effectively.



Optimizing Resource Allocation

Analyze operational data to ensure efficient use of financial, human, and technological resources.



Ensuring Data Integrity & Privacy

Implement stringent data governance protocols to maintain accuracy, security, and compliance with privacy regulations.

Technical Support Scaffolds

Our commitment extends to providing unparalleled technology support, ensuring that OCDE staff and school districts have the robust assistance they need to thrive in a digital learning environment. This involves continuous investment in customer service, empowering users, and optimizing support methodologies.

1

Proactive Assistance

Shifting from reactive problem-solving to anticipating user needs and providing solutions before issues arise, ensuring smooth operations.

2

Streamlined Access

Implementing intuitive support portals, clear communication channels, and efficient ticketing systems for quick and easy help.

3

Continuous Improvement

Regularly analyzing support data and user feedback to refine processes, enhance service quality, and adapt to evolving technological landscapes.

4

Empowering Self-Service

Providing comprehensive knowledge bases, tutorials, and training programs to enable users to resolve common issues independently.



3 - Support Objectives for Orange County School Districts

Our strategic initiatives are designed to directly support Orange County School Districts in their journey toward technological excellence, ensuring they have the resources and expertise to thrive in the digital age.



Technology Leadership

Empowering technical staff in support of strategic guidance, innovation planning, and digital transformation support to align technology with educational goals.



Infrastructure Support

Provide reliable, secure, and scalable IT infrastructure — including networking, cybersecurity guidance, hosting solutions, and school and student safety technologies — to ensure robust and protected operations across all educational environments.



Enterprise Solutions

Delivering modern integrated systems, automations, data visualization and platforms (Payroll, HR, finance) that streamline district operations and enhance data-driven insights.

1 - Audacious Goal

Transform every classroom in our county into a digitally empowered learning environment by 2030 — ensuring equitable access to real-time data, and secure infrastructure for every student, educator, and administrator.

Focus Area: Consistently deliver innovative, data-driven solutions that transform business and educational outcomes, in collaboration with county stakeholders. We will focus on creating equitable access to digital tools, infrastructure, and real-time data to empower every student, educator, and administrator.

Next Steps for IT 2030 Strategic Plan

To realize our vision for OCDE Information Technology 2030, we will embark on a structured, multi-phase approach, ensuring every initiative is aligned with our audacious goal and district needs.



Deep Dive & Assessment

Conduct a thorough analysis of current technology infrastructure, capabilities, and district-specific needs to establish a baseline.



Strategic Roadmap Development

Translate insights into a detailed, actionable roadmap with clear timelines, resource allocation, and success metrics.



Phased Implementation

Execute strategic initiatives through pilot programs, iterative deployment, and continuous integration of new technologies.



Continuous Monitoring & Adaptation

Establish robust mechanisms for tracking KPIs, evaluating impact, and adapting the strategy based on evolving needs and outcomes.

Existing Mission Statement

Leverage technology to simplify, enhance, and provide innovative business and educational solutions. Our commitment is to provide creative and collaborative ideas by implementing and incorporating technology with our customers.

New Mission, Vision and Core Values

Our foundational principles guide every decision and action, ensuring our technology initiatives are aligned with the overarching goals of the Orange County Department of Education.

Our Mission

Leverage technology to simplify, enhance, and provide innovative business and educational solutions. Our commitment is to provide creative and collaborative ideas by implementing and incorporating technology with our districts, schools and partners.

Our Vision

Our vision is to be the leading catalyst for innovation and shaping a future where every Orange County school achieves excellence through transformative solutions

Core Values



Innovation

We embrace forward-thinking solutions and continuous improvement to meet the evolving technology needs of education.



Customer Service

We prioritize responsiveness, empathy, and partnership — delivering reliable support and building trust with every interaction.



Collaboration

We work together across teams, districts and partners to co-create meaningful outcomes and shared success.