OSCEOLA COUNTY SCHOOL DISTRICT
TECHNOLOGY PLAN
2018-2019

OVERVIEW

The District is committed to serving students equitably in alignment with its mission of "Inspiring all learners to reach their highest potential as responsible, productive citizens." Realizing this foundational goal means focusing the necessary attention on each child as determined by his or her unique needs/interests. Each school year, the Superintendent involves hundreds of people, ranging from parents, students, community members, School Board members, and employees, in providing input and suggestions to guide the District to reach new heights of achievement in all areas. The District's strategic plan acts as the roadmap that drives improvement efforts towards unlimited success for Osceola students, staff, and schools.

STRATEGIC PLAN

The District's 2016-2019 Strategic Plan presents goals, strategies, measures, and targets for improvement focused on the District's unwavering rise "From Good to Great (Building a Legacy)." Strategic Plan Goal One covers Academic Success, which will ensure high levels of learning for all students. Its activities seek to raise graduation rates, college and career acceleration, state assessment performance, and school grades. Strategic Plan Goal Two addresses Talent Management. The objective is to recruit, develop, retain, and reward a highly dedicated, high-quality workforce. It specifically aims to improve the rates of teacher turnover, high-performing teacher recruitment, teacher attendance, and instructional vacancies. Fiscal Responsibility falls under Goal Three, which is to optimize use of all resources to preserve and protect the taxpayers' investment. Goal Four encompasses Community Engagement. The District will promote a culture that recognizes education as a positive force in the community and beyond. Finally, Goal Five addresses Governance and guides efforts to cultivate relationships between the School Board, Superintendent, and community to serve as a high-functioning District leadership team.

DISTRICT FACTS

The District operates twenty-four elementary schools (K-5), three K-8 schools, eight middle schools (6-8), ten high schools (9-12), one fine arts school (6-12), one postsecondary technical education school with three branch campuses, one adult learning center with three branch campuses, two alternative education sites, and one virtual school program. Florida Statute designates charter schools as public schools. In our district, there are twenty-three charter schools (one charter pre-school/early learning center, three charter elementary schools, three charter high schools, eleven K-8 charter schools, and six multi-level schools). Additionally, there are more than fifty State-recognized private schools operating within District boundaries. Currently, support facilities include a District Administration Complex (including four separate buildings and various portables), a Maintenance Facility, three Transportation Centers, and a Pre-kindergarten Learning Center, which also houses administrative departments, a Staff Development site, and a Curriculum Development Center.

Osceola County agencies struggle to address growth effectively, and population increases have been a challenge for the District. The student enrollment as of November 19, 2018, is 67,880, which equals an increase of 276% from 18,054 in 1990. A new high school was completed and

opened in August 2018, with plans to open a new middle school in August 2019. The District employs more than 7,000 staff members, including administrators, instructional personnel, and professional support personnel.

The District's post-secondary institution, Osceola Technical College (oTECH), works closely with secondary students, offering a variety of courses and certifications (such as CNA, LPN, LEO, EPA, MOUS, A+, Network +, MCP, and MCSA) to make Osceola students job-ready upon graduation. The District's graduation rate was 86.3% for the 2017-2018 school year, higher than the state average of 82.3%.

For those choosing to pursue a post-secondary degree, several continuing education opportunities are available locally. oTECH offers many post-secondary, job-preparatory programs for adults and courses to support a variety of career choices. The Adult Learning Center Osceola (ALCO) offers ESOL, Adult Basic Education, and GED Preparation and Testing for adults. In addition, Valencia College and Johnson University have campuses in Osceola County.

PROFESSIONAL STAFFING/DEVELOPMENT

District Strategic Plan Goal Two addresses Talent Management. Activities within this goal include building leadership capacity at all levels; strengthening the recruitment, hiring, and retention process; and creating a District-wide culture of feedback for professional growth. It values the task of investing in the future accomplishments of all students by enhancing the learning process. Student success must be the collective goal of all who are charged with educating every learner. Everything that is "technology", be it software, hardware, network connectivity, computer literacy or professional development for instructional staff must be viewed through the lens of student achievement.

The District actively promotes the successful integration of technology into the dynamic standards-aligned curriculum. Technology Resource Teachers in the Media and Instructional Technology Department equip classroom teachers and provide support to teachers through a variety of methods. There are live technology training sessions, the Osceola MITD YouTube channel plus coaching and modeling provided throughout the academic year.

BUSINESS OPERATIONS

In support of the Strategic Plan's Goal Three for Fiscal Responsibility, District finance officers employ fiscal management methods that integrate sound business practices to manage the 2018-2019 budget of $1.187 billion. The District's commitment to wisely use its resources has resulted in minimal overhead and low per-student costs. The District has repeatedly earned the Certificate of Achievement for Excellence in Financial Reporting, the highest form of governmental accounting and financial reporting recognition. The Government Finance Officers Association bestowed this award for the District's comprehensive annual financial reports for the fiscal years ending each June 30, of 2010 through 2017. In addition, the District's 2016 comprehensive annual financial report received the Certificate of Excellence in Financial Reporting from the Association of School Business Officials (ASBO) International.

COMMUNITY RELATIONS

Osceola County residents are informed about the individual public schools within the District, as well as the School Board and Osceola School District initiatives, most importantly by its web presence at http://www.osceolaschools.net/. Social media tools such as Twitter, Facebook, YouTube, Instagram and LinkedIn are utilized, as well as a mobile app. School Board meeting agendas with associated documents, along with broadcasts of both live and recorded sessions are available for the public online.

One new feature in 2018-2019, accessible through the District's website or a smartphone app, is the communication tool *Let's Talk!*. It gives parents, students, teachers, staff and community residents a safe, reliable way to reach district leaders whenever necessary. The goal is to build trust and interaction throughout the community with all stakeholders.

Here Comes the Bus is another program made available to parents of the 27,000 students who ride a school bus. Parents may view the real-time locations and confirm arrivals of their child's school bus on their smartphone, tablet or computer. It improves communication and enables parents to have information they need as their child is transported each day.

To meet the needs of students, teachers, and families, the District maintains partnerships (and memorandum agreements) with a myriad of local organizations. Examples of these collaborating entities include the City Governments of Kissimmee and St. Cloud; Osceola County Government; Education Foundation – Osceola County; Community Vision, Inc.; Osceola County Council on Aging; Florida Department of Health in Osceola County; Park Place Behavioral Health Care; Florida Department of Juvenile Justice; and American Red Cross. Osceola County has public transportation, CareerSource Central Florida, and a number of non-profit community organizations prepared to offer assistance with food, shelter, employment, medical health, education, and legal services, which are vital connections for families in the District. Such joint efforts support District Strategic Plan Goals Four and Five for Community Engagement and Governance.

TECHNOLOGY POLICIES

In the effort to inspire all learners to "reach their highest potential", a primary focus is digital learning using computing devices. The District's objective is to provide superior customer support for every facet of teaching and learning with technology. The students, teachers and administrators must have the best devices possible for use on the safest network possible. To that end, the District has adopted various policies and the School Board has established rules related to technology use and data security.

Type of Policy	Summary of Policy/School Board Rule	Web Address
Student data safety, security and privacy	Chapter 5.70*+ STUDENT RECORDS	School Board Rules

District teacher evaluation components relating to technology (if applicable)	Instructional Employee Evaluation Handbook	Employee Evaluations
Student Use of Personal Technology	Chapter 8.00 – Auxiliary Services STUDENT USE OF PERSONAL TECHNOLOGY, 8.63+ Chapter 5.30*+ STUDENT CONTROL	School Board Rules
	Code of Student Conduct	Code of Student Conduct
	Student Internet and Network Use Procedures	Information and Technology Division
Acceptable/Responsible Use policy (student, teachers, admin)	Chapter 8.00 – Auxiliary Services NETWORK ACCEPTABLE USE, 8.60+	School Board Rules

NETWORK CAPACITY AND INFRASTRUCTURE

In order to support the curriculum delivered digitally, as well as computer-based assessments, the District has continued to update the network bandwidth capacity. Reliable, adequate wireless connectivity is paramount for students, faculty and staff. The District increases its Internet connection and its Wide Area Network (WAN) bandwidth capacity commensurate to the needs of its school facilities.

The capacity of each school's infrastructure equipment (switches, cabling, and wireless access points) and the on-site equipment owned and configured by the ISP are two of many determining factors when the District contemplates increasing bandwidth throughput to the student desktops or wireless devices. The condition of infrastructure equipment in schools is constantly monitored. Aging equipment is regularly assessed to determine the ability to support future bandwidth requirements, and necessary upgrades are identified. Long range planning for future infrastructure projects is constant.

Network infrastructure equipment purchases are funded in large part by the support received through the Universal Service Administrative Company's (USAC) E-rate program. The District must re-apply annually for funding support for eligible products/services, including network infrastructure equipment. The District is currently upgrading the switch gear at nine schools for the 2018-2019 cycle of E-rate program funding.

Deliverable	Estimated Completion Date	School
Purchase and install upgraded switches in MDF/IDF to support connectivity	September 2020	Boggy Creek Elementary Mill Creek Elementary Reedy Creek Elementary Discovery Intermediate Horizon Middle Kissimmee Middle Narcoossee Middle Neptune Middle Parkway Middle

Since schools have certain E-rate program budgets, the funds may be exhausted before aging, end-of-life switch gear can be replaced, so another invaluable funding source is the approved sales tax referendum. In this way, the community supports the District's on-going efforts to refresh network infrastructure and necessary equipment in its schools. Projects scheduled in 2018-2019 are:

Deliverable	School
Purchase and/or Install Completed – Overlay Intercom Systems	Kissimmee Middle Parkway Middle Mill Creek Elementary Celebration K-8 Central Avenue Elementary Cypress Elementary Hickory Tree Elementary Kissimmee Middle Discovery Intermediate Narcoossee Middle St. Cloud Elementary Sunrise Elementary Chestnut Elementary Neptune Elementary Flora Ridge Elementary Harmony Community Narcoossee Elementary East Lake Elementary Koa Elementary Thacker Avenue Elementary Highlands Elementary Mill Creek Elementary oTECH (Poinciana and St. Cloud) Pleasant Hill Elementary Kissimmee Elementary Neptune Middle New Beginnings Parkway Middle

Upgrade Wireless Device Authentication Firmware	All Schools
Purchase and/or Install Completed – New Intercom Systems	Administration Complex Kissimmee Middle Parkway Middle Mill Creek Elementary Gateway High School Celebration K-8
Sound System Installations (Projected)	Neptune Middle Partin Settlement Elementary Reedy Creek Elementary Cypress Elementary
Install/Upgrade Wireless Access Points	Boggy Creek Elementary New Beginnings Reedy Creek Elementary Zenith Programs
Additional Licensing And Equipment (Ineligible or Unfunded by E-rate Program)	Poinciana High School St. Cloud High School Osceola High School

To protect the security of the network and minimize "denial of service" attacks, the District has contracted with its ISP to use a "threat management system". The District uses web filtering and firewall technology to protect all users in the network environment.

DIGITAL CLASSROOMS ALLOCATION

The 2018-2019 Digital Classrooms Plan (DCP) funding will be allocated to three specific areas: the purchase of computer devices for targeted schools that have a greater than 2:1 student-to-computer ratio, to refresh student devices no longer meeting District specifications, and for teacher professional development in the Summer of 2019 focusing on integration of technology in the classroom.