

District Digital Classroom Plan (DCP)

2018-19

The intent of the District Digital Classroom Plan (DCP) is to ensure students have access to high quality digital and electronic materials and the devices that are required to use the materials and empower classroom teachers to help their students succeed.

Part I Overview

The district's overview component of the plan will document the district's overall focus and direction concerning how the incorporation and integration of technology into the educational program will improve student performance outcomes. The DCP will align closely with the 2018-19 District Strategic Plan (DSP). Refer to the DSP for our district vision, mission, core values, strategic directions, and strategic goals located on our district website at pcsb.org. The entire DCP will assist Pinellas County Schools in obtaining all the District Goals in Strategic Goal 1, Increasing Student Achievement and Strategic Goal 2, Curriculum, Instruction, and assessment. In Strategic Goal 3, the DCP will help monitor data and emergency plans to ensure a safe learning environment for students and staff. The DCP will be instrumental in identifying achievement gaps and provide a means to measure the gaps. The contents of the DCP are intertwined throughout Strategic Goal 5, Career and College Readiness. Technology resources will be critical for Strategic Goal 6, Develop and sustain the effective and efficient use of all resources. Finally, Strategic Goal 7 specifically addresses providing quality technology to optimize operations, communications, and academic results.

District Team Profile

Contact information for each member of the district team participating in the DCP planning process.

Title/Role	Name:	Email:	Phone:
Applications Administrator	Heath Glandon	glandonh@pcsb.org	727-588-6463
Assessment, Accountability, and Research	Octavio Salcedo	salcedoo@pcsb.org	727-588-6258
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Director of Media, Text, & Digital Learning	Connie Kolosey	koloseyc@pcsb.org	727-588-6304
Elementary Principal	Karen Aspen	aspenk@pcsb.org	813-891-0785
Executive Director, Assessment, Accountability, and Research	Daniel Evans	evansd@pcsb.org	727-588-6253
High School Library Media Technician	Cynthia Hearn	hearnc@pcsb.org	727-570-3138

Manager, User Support	Michael Johannesen	johannesenm@pcsb.org	727-588-6451
Network Administrator	Brian Doughty	doughtyb@pcsb.org	727-588-6364
Senior Instructional User Support Analyst	Robert Ceneskie	ceneskier@pcsb.org	727-588-6536

Planning Process

A cross-functional committee composed of 12 representatives from across the district was formed and charged with the task of developing the 2018-19 District Digital Classroom Plan. Sectors represented included: district offices, elementary and high schools. Committee members included a teacher, a library information specialist, administrator, technology specialists and technology technicians. The committee also received support and advice from the Teaching and Learning department.

The plan will include relevant training for district leadership and support personnel. All areas of curriculum, ESOL, and special needs, including students with disabilities, will be addressed in the plan.

Part II Strategies

Applications

WorkSpace ONE (Airwatch) – Mobile Device Management (MDM) software solution enabling our devices to safely onboard to our secure wireless network. Manage the complete device and app lifecycle with easy configuration, device and data security, asset inventory and management, remote support and troubleshooting.

BMC – Asset and Patch Management software solution that maintains inventory and software compliance. BMC reports provide inventory information for all computers in our environment. The software also pushes out critical updates to all devices to remove vulnerabilities in our network. The patch management part of the solution is vital to securing our network.

Clever – Single sign-on is a method of access control for multiple independent software systems. Students and staff access all curriculum resources through Clever using a single user name and password. Conversely, single sign-off is the method whereby a single action of signing out terminates access to multiple software systems.

Decision Ed – The Pinellas County School District currently uses the Decision Ed data warehouse as a central repository containing an enormous amount of information collected from a variety of district and state resources. The system provides methods to access the aggregated information easily. The comprehensive data analysis tools allow district and school-based administrators and teachers easy access to the District’s aggregate information. Doing so enables educators to easily skim information ranging from attendance, discipline, and assessments, as well as more detailed data on students. This allows for correlation of numerous external factors related to student achievement.

Focus SIS - Student Information System (SIS) The Focus SIS stores student data, including, name, address guardians, schedule, grades, discipline, health information, links to various learning resources and programs, etc.

Focus LMS - Learning Management System (LMS) The Focus LMS is a platform for teachers to present curriculum and post lesson plans and assessments.

Khan Academy - Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom. Khan tackles math, science, computer programming, history, art history, economics, and more. The math missions guide learners from kindergarten to calculus using state-of-the-art, adaptive technology that identifies strengths and learning gaps. All PCS students can access Khan resources anytime, anywhere through Clever using their district log in credentials.

Microsoft Licensing – Our licensing agreement with Microsoft provides Pinellas County Schools all of the Microsoft software applications on our devices. Applications include Word, Excel, PowerPoint, SWAY, and Forms. The licensing agreement also gives all students and staff access to Office 365 cloud-based applications including Share Point, Teams, One Drive and Class Notebook. Capitalizing on this investment, in Share Point, PCS has built the *Personalized Learning Pathway* which allows students to access personalized achievement data connected to targeted lessons for academic improvement. Also on Share Point, PCS has built the *Gateway*, a curriculum library for one stop access to all curriculum guides and resources.

Microsoft Premier Support – The Premier support agreement gives us the enterprise level of support for all of the Microsoft applications. The support includes proactive engagements, training, and incident response.

SAFARI Montage – Provides a Learning Object Repository (LOR) and digital content resource accessible to all teachers and students. The LOR provides a searchable repository where teachers, administrators, and district staff may locate or upload instructional resources such as videos, weblinks, eBooks, documents, images or audio files. These files can be searched by topic or standard, or organized into playlists for lesson sequencing.

SMART Notebook – Software that allows teachers to develop interactive lessons that work well with SMART Boards and Epson Interactive Projectors. Teachers can develop, save and share interactive lessons or tap into lessons developed by other teachers across the US

Assessments

Performance Matters - Assessment results provide valuable information regarding students' mastery of the course standards. This information is used by classroom teachers to modify group instruction, to differentiate instruction based on individual student needs, and to place students in remedial courses. At the district level, the aggregated results provide information that is used to differentiate support for teachers, determine professional development needs, allocate resources such as instructional coaches, target curriculum areas for improvement, and to evaluate programs and interventions.

Write Score – Utilized in all Language Arts classes in grades 6-10th. The assessment is administered twice per year, once in Sept-Oct and once in Dec-Jan. Write Score provides practice in the skills of writing for our students to achieve mastery of the informational and argumentative writing standard (ex: planning,

outline, note taking, organization of information, elaboration, organization, introduction, conclusion, and conventions). After data analysis, the skills are broken down by the same reporting categories that are on the state FSA rubric (purpose, focus, and organization, evidence and elaboration, conventions). This enables the teachers to do remediation lessons between the first and second round of Write Score and between the second round of Write Score and the FSA writing assessment to ensure our students are prepared.

FileMaker Pro - Our Educational Data System (EDS) utilizes the FileMaker Pro software to monitor student progress. Used primarily by Elementary administrative team and teachers. Various student scores are pulled into one location and filtered onto the Progress Monitoring Plan (PMP) form for elementary students who are struggling in one or more subject areas.

MAP Assessment - NWEA's Measure of Academic Progress (MAP) assessments are computer-adaptive interim assessments designed to measure student achievement in reading and mathematics. MAP tests are based on a continuum of skills from low to high. Carefully constructed measurement scales that span across elementary and middle grades allows for the measurement of student growth over time. MAP assessments help teachers identify the instructional level of the student and also provide context for determining where each student is performing in relation to local or state standards and national norms. MAP reports allow teachers to better target instruction based on students' strengths and needs.

Committees

IT Governance Council Guidelines– **See Appendix A**

IT Governance Council Request Form – **See Appendix B**

TIS Security Council and Manual – **See Appendix C**

Departments

Technology and Information Systems (TIS)

Applications – databases

 Data Warehouse – Decision Ed

Data Center and servers

Telecommunications – Phones and wired/wireless network

 Bandwidth

 Internet Access

 Cisco VOIP System – 58 sites

 Upgraded wireless network infrastructure

User Support

 Tech Help Desk – 588-6060 and Tech2 icon on all computer desktops

 MDM software – Airwatch

 Patch Management software - BMC

 Microsoft licensing and Premier Support

 Computer Refresh - \$4.3 million for 2018 – based on the Technology Needs for the Classroom Model. **See Appendix D**

Records Management – Houses student records at the district level

Because technology systems affect every department in the district, personnel from the TIS department work closely with other key departments to support and align district processes and initiatives.

Teaching and Learning Department

Assessment, Accountability, and Research – Dan Evans, Director

Media, Text and Digital Learning – Connie Kolosey, Director

Library Media Technology specialists at each school support staff and students with accessing resources and basic technology troubleshooting.

Instructional Materials all have digital content resources as a part of the original purchase and these resources are a part of the official adoption process.

Digital Learning helps coordinate between TIS and Teaching and Learning departments with communication, professional development, school-based user experience, hardware and software needs.

Content Specialists including Visual & Performing Arts, Math, Science, Social Studies, Language Arts, Reading, and CTE from pre-K to high school all use digital curriculum and receive support from TIS and Digital Learning.

Professional Development

Master In-service Plan (MIP) - Through our MIP, we are offering more courses and “Just in Time Training” to teachers throughout the year. We have increased the number of courses that are directly tied to student achievement. We measure progress toward our goal by the number of courses taken and the number of hours teachers have taken in these courses. **See Appendix E.**

Marzano Instructional Framework - Through the implementation of the Marzano Focused Instructional Framework district-wide, we are using a common language for improved instruction and feedback. All teachers and administrators have received professional development in the use of the evaluation model. This is directly tied to student achievement and is measured both school-wide and across the district through our iObservation evaluation platform.

Part III Allocation Proposal

The Digital Classrooms component of the FEFP formula provides Pinellas County Schools \$1,735,667.00 as their DCP allocation. Funding may be expended on acquiring computer and device hardware and associated operating system software, professional development, and acquiring and maintaining items included in the federal E-rate program.

Federal E-rate program

Category 1 – WAN and bandwidth

Category II – Infrastructure - wireless, access points, hubs, and switches

A. Digital Learning, Technology Infrastructure, and Security

- a. Bandwidth
- b. Internet connection
- c. MDM software – Airwatch
- d. Patch Management software - BMC
- e. Destiny Resource Manager for Instructional Materials inventory

- B. Digital Tools
 - a. Data Warehouse – Decision Ed
 - b. Microsoft EES software licenses
 - c. Microsoft Premium Support
- C. Online Assessments
 - a. File Maker Pro
 - b. MAP
 - c. Performance Matters
 - d. Write Score
- D. Charter Schools Allocation