Duplin County Schools

Digital Learning and Technology Plan
2020-2024

Focus Area One: Leadership

Focus Area Goal:	A diverse district leadership team exists with a shared vision for goals and strategies that ensure continuous improvement based on on-going and varied data collection. The goals and strategies are integrated as core components of all other strategic plans and are communicated regularly with all stakeholders. In order to sustain digital teaching & learning goals, the district utilizes a comprehensive long-term funding plan and procurement procedures to ensure equitable digital content for all users. Policies have been adopted to support student-centered learning environments and digital teaching & learning. The district works to employ and develop administrator and teacher-leaders for digital teaching & learning. District and school leaders maintain a collaborative and transparent digital culture while serving as lead learners of digital teaching and learning and modeling effective use of high quality digital resources.

Current Ranking:	2020-2021	2021-2022	2022-2023	2023-2024

Alignment to Other Plans & Initiatives:	Duplin County Schools Strategic Plan Digital Learning Progress Rubric Duplin County Schools Equity Plan NC ESSA Plan

District Strategies	Evaluation Methods	Frequency	Target Date	Current Status
Utilize a district Digital Learning & Technology Plan committee to develop a shared vision for goals and strategies.	Meeting agendas and minutes	Yearly	November 2023	
Align district Digital Learning & Technology goals to the district strategic plan.	District & School Digital Learning & Technology Plan	Yearly	November 2023	
Educate all stakeholders regarding the district digital teaching and learning goals and strategies to promote, encourage support and implementation of Digital Learning & Technology Plan.	Meeting agendas and minutes	Ongoing	June 2024	
Provide professional development for cabinet and school administrators to ensure modeling and effective use of seamless high-quality digital integration.	Professional Development Offerings Attendance Logs	Yearly	June 2024	
Utilize and continuously evaluate the district Digital Learning & Technology Plan based on on-going and varied data collection.	Yearly Rubric Results Yearly Digital Learning Plan Updates	Once per Year	June 2024	
Secure funding so that every school within the district has at least one full-time instructional technology facilitator and at least one full-time certified school library media coordinator.	Job Descriptions	Once	June 2024	
Utilize the LoFTi Rubric to help administrators identify teachers with high quality digital and teaching learning skills.	LoFTi Rubric	Monthly	June 2024	
Share specific questions for administrators to use to help identify teachers with high quality digital and teaching learning skills.	Interview questions	Once per Year	April 2020	
Integrate and assess implementation of the DCS mobile app utilizing Student Information System (SIS) Portal and mass communication features.	Track number of accounts App Usage	Yearly	June 2024	
Implement social media use by the district utilizing the state professional guidelines for implementation.	Social Media Policy Social Media Followings	Ongoing	June 2024	
Fund and utilize the technology sustainability plan and share with all stakeholders.	District Technology Purchasing Records District website	Yearly	June 2024	
Collaborate with the finance department to develop a long-term funding plan that evaluates district spending priorities and district allocation of funds for digital teaching & learning.	Meeting agendas and minutes Budget Records	Once per Year	June 2024	
Continue to participate in NC Home Base and state provided network managed services and support.	Usage Reports Invoices	Once per Year	June 2024	
Evaluate and procure digital resources and hardware through a collaborative effort among all departments led by the Digital Learning & Technology teams.	Evaluations Invoices Meeting agendas	Once per Year	June 2024	
Develop and utilize a process for evaluating any digital subscriptions and services prior to purchasing and renewal.	Evaluation rubric	Once per Year	June 2021	
Develop relationships with external partners to secure additional funding for support of digital teaching and learning.	Grant applications, award letters and sponsorships	Ongoing	June 2024	
Provide a district-wide system that allows two-way communication with monitoring between schools, teachers, parents, and communities.	Adoption of Terms of Use Agreement Policy	Ongoing	June 2024	

Focus Area Two: Technology & Infrastructure

Focus Area Goal:	The district maintains a network that has the necessary Internet bandwidth and wireless connectivity to support all access needs. Systematic reviews of the network and replacement cycles exists to support the digital technology infrastructure and assure that all user's needs are met. Additionally, content filtering and single-sign gives administrators, teachers, and students the access to the necessary technology resources. In order for learning to continue outside of school setting, the district leverages partnerships to increase Internet access outside of school. A sustainability plan is utilized to increase the number of current end-user devices and create modern learning environments that promote digital teaching and learning. As the amount of technology increases, the district will continue to provide adequate technical support.		
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District Strategies	Evaluation Methods	Frequency	Target Date	Current Status
Evaluate school network, Internet connection bandwidth, and wireless connectivity through on-going and varied data collection.	Performance Reports	Once Per Year	June 2024	
Refresh network infrastructure and update as needed based on evaluation.	Performance Reports	Ongoing	June 2024	
Purchase devices for teachers and students based on the sustainability plan in order to decrease the student:device ratio.	Purchase Records Student:Device Ratio	Yearly	June 2024	
Implement and utilize the district Bring Your Own Technology Plan.	BYOT Plan DCS Website	Yearly	June 2024	
Purchase peripheral devices that can be controlled by teacher and student devices.	Purchase Records	Yearly	June 2024	
Ensure that all media centers have a flexible design to promote the use of the spaces as educational hubs for collaboration, makerspaces, & innovation.	Meeting agendas Media Center schedule Observation and Evaluation	Yearly	June 2024	
Ensure that all learning spaces (classroom, STEM Labs, Media Centers, etc.) provide individual and collaborative workspaces.	Classroom Observation	Yearly	June 2024	
Work to increase the number of technicians as the amount of technology increases in our schools.	Device/Technician Ratio	Yearly	June 2024	
Encourage and promote the use of the work order system.	Usage Reports	Daily	June 2024	
Investigate a system that will provide inventory & tracking of portable and fixed technology assets.	Evaluation records Invoice	Once	June 2021	
Continually update and evaluate the sustainability plan to ensure that routine & comprehensive replacement cycles exist for all technology devices and technology infrastructure.	Budget Reports Sustainability Plan	Once Per Year	June 2024	
Continue to work with Single Sign On service and integrate additional applications as they come available.	Application Integration Report	Once Per Year	June 2024	
Investigate the programs & encourage students to take advantage of Internet provider discounts for rural areas and economically disadvantaged families.	Meeting Agendas	Ongoing	June 2024	
Encourage public libraries and local businesses in the area to offer free Internet access and encourage students to utilize these services.	Communication records	Ongoing	June 2024	
Ensure that all facilities are equipped with sufficient power receptacles.	Meeting agendas for new facilities Work Orders	As Needed	Ongoing	
Investigate options for authentication for all users which will allow for role-specific content filtering on and off campus.	Authentication System	Once	June 2024	
Implement centralized printing for both black/white and color copiers in all schools.	Contract with vendor	Once	June 2021	

Focus Area Three: Professional Learning

Focus Area Goal:	Professional development within the district is focused around the district strategic plan and incorporates digital teaching and learning frameworks. Multiple and varied professional development opportunities and formats (small group, face-to-face, online, blended, one-on-one, etc.) exists to meet the individual needs of all administrators and teachers. The district utilizes professional learning communities(PLCs) to collaborate and share ideas, strategies, lessons, and activities for high quality digital teaching and learning. A significant portion of professional development is focused around the NC Digital Learning Competencies for Teachers & Administrators to help fulfill CEU requirements by the district and state.

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District Strategies	Evaluation Methods	Frequency	Target Date	Current Status
Provide protected professional development workdays where a variety of sessions are offered, so that teachers can select digital learning topics based on professional needs.	District Calendar PD Attendance Logs	Yearly	June 2024	
Expand micro-credential opportunities that allow for personalization of professional development and includes an artifact component that shows impact on student learning.	District PD Catalog	Quarterly	June 2024	
Utilize Digital Learning & Media coordinators and/or STEAMA Curriculum Facilitators to deliver personalized digital-learning focused PD sessions in small group settings using multiple pedagogical strategies during planning, PLCs or after-school to develop proficiency in the NC Digital Learning Competencies.	Surveys/Evaluations PD Attendance Logs	Quarterly	June 2024	
Mentors, Grade Level Chairs, and STEAMA Curriculum Facilitators will provide ongoing support through peer observation, assessment, coaching, professional learning communities, and mentoring.	Instructional Rounds Coaching Records PLC Logs	Monthly/As Needed	June 2024	
Prioritize funding to secure substitutes and/or release time for focused personalized professional development opportunities based on district strategic plan.	Budget Records District PD Catalog	Yearly	June 2024	
Plan for and secure funding for a summer comprehensive professional development event that provides a range of PD opportunities (Curriculum, Digital Learning, Support Services, etc.) for current and new employees.	Summer PD Plan	Yearly	June 2024	
Provide personalized professional development and/or micro-credentials for administrators on leading digital initiatives, including evaluation of authentic digital learning.	District PD Catalog PD Attendance Logs	Quarterly	June 2024	
District will require 2 or more CEUs specific to digital learning during a renewal cycle.	Documentation of CEU Requirements	Yearly	June 2024	
Offer summer content-specific digital learning professional development in face-to-face format for teachers and administrators.	District PD Catalog Attendance Logs	Yearly	June 2024	
Utilize video equipment to capture high quality digital teaching and learning to share with teachers throughout the district.	Videos Online PD Courses	Yearly	June 2024	
Increase the number of grade level and/or content specific digital learning professional development offerings.	District PD Catalog Attendance Logs	Twice a Year	June 2024	
Digital Learning & Media Coordinators will provide site-based digital learning coaching with teachers based on individual needs.	Coaching logs	Monthly/As Needed	June 2024	
Encourage and promote high quality professional development opportunities that are competency based and job embedded that requires teachers to demonstrate mastery prior to receiving CEUs.	Professional Development Offerings CEUs requirementes	Yearly	June 2024	
Digital Learning Professional development sessions will be designed around utiilzing technology to modify and transform the learning environment to increase student engagement and leanring.	Professsional Development Agenda Professional Development Artifacts	Yearly	June 2024	

Focus Area Four: Content & Instruction

Focus Area Goal:	In the district, the role of the educator has shifted to that of a facilitator in which instruction is driven by a variety of data. Administrators and teachers are proficient in the NC Digital Learning Competencies, and ensure that students are participating in digital learning activities the integrate critical thinking, communication, collaboration, and creativity skills. Teachers and students consistently use digital tools to personalize learning paths to reach all learners. The district works to secure and develop digital content and resources through a vetting process that allows students, teachers, and parents access anytime/anywhere. A district learning management system exists to assist teachers with organizing content, student activities, and tracking student progress.

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District Strategies	Evaluation Methods	Frequency	Target Date	Current Status
District leaders and administrators drive the shift in the educator role to that of a facilitator in a digital learning environment through observation & evaluation.	Walkthrough Data	Ongoing	June 2024	
All teachers and administrators will demonstrate proficiency in the NC Digital Learning Competencies.	Walkthrough Data Self-Assessment Data	Ongoing	June 2024	
Increase the number of "model digital-learning classrooms" across the district and provide those teachers with intensive support in developing personalized data-driven digital learning practices, which will allow other teachers the opportunity to observe and implement digital learning strategies.	Surveys/Evaluations Model Classroom Observations	Yearly	June 2024	
Increase student technology use within the classroom that focuses on personalized digital learning activities that integrate critical thinking, communication, collaboration, and creativity skills.	Walkthrough Data District PD Catalog	Ongoing	June 2024	
Improve access to and communicate with all stakeholders the digital content & resources available to students, teachers, and parents.	DCS Websites Communication records	Ongoing	June 2024	
Increase utilization of the applications available to students, teachers, and parents through NC Home Base (Parent Portal, Canvas, Schoolnet) and other resources.	Usage Records	Ongoing	June 2024	
Purchase licenses for a learning management system for students and teachers for full implementation in classrooms.	Invoices Licenses	Yearly	June 2024	
Develop a district vetting process for schools in order to puchase and/or develop digital content.	Documented Process	Yearly	June 2024	
Encourage administrators, curriclular support, and/or teachers to share and customize curated and/or developed digital content at the school and/or district level through available district tools.	Usage Records District PD Catalog Content Records	Ongoing	June 2024	
Ensure flexible scheduling for media centers, so that Digital Learning & Media coordinators and Digital Learning & Technology Support Specialists may be a part of school level PLCs to collaboratively plan and enhance instruction.	Media Center Schedule PLC Attendance logs/minutes	Yearly	June 2024	
Conduct digital learning focused walk-throughs periodically throughout the year.	LoFTi Data	Monthly	June 2024	
Provide curated Digital Citizenship lessons that are required to be taught for each grade level.	Resources Lesson Plan	Yearly	June 2024	
Encourage the use of a learning managment system in all grades with a focus on K-3.	Usage records	Yearly	June 2024	
Provide digital tools, resources, and data to support academic and behavior intervention.	Usage records Intervention Plans	Ongoing	June 2024	
Develop additional online learning management course content (i.e. Canvas Blueprint) to support areas of high need.	Course Offerings	Yearly	June 2024	
Utilize a learning managment system to leverage teachers throughout the district for courses not available to increase equitable opportunities.	Course Offerings	Yearly	June 2024	
Utilize and promote open educational resources (OER) in the classroom.	Lesson Plan Instructional Resources website	Ongoing	June 2024	

Focus Area Five: Data & Assessment

Focus Area Goal:	The district utilizes NCEdCloud as a central access point to the NC Home Base Applications that provide educators, parents, and students with real-time individual learner data. Intervention plans are used to personalize learning for students and support school-wide instructional goals. Multiple and varied assessments are embedded into instruction to collect data on student needs and strengths for intervention plans. Schoolnet is utilized to develop shared common formative assessments and district benchmarks which provides analytical data for the intervention plans. District developed rubrics are used to measure critical thinking, communication, collaboration, and creativity skills of students across content areas.
Current Ranking:	2020-2021 2021-2022 2022-2023 2023-2024
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District Strategies	Evaluation Methods	Frequency	Target Date	Current Status
Utilize NCEdCloud as a central access point to the NC Home Base applications for educators, parents, and students to access real-time data.	Usage records Integration records	Ongoing	June 2024	
Input student performance data into the Student Information System (SIS) on a weekly basis.	Schools monitor teacher input of data	Weekly	June 2024	
Increase student/parent access to the SIS Student/Parent Portal and the DCS Mobile App to access student information (schedules, performance and attendance.)	Student/Parent Portal accounts DCS Mobile App accounts	Ongoing	June 2024	
Integrate student/parent access to the PowerSchool Student/Parent Portal through the DCS Mobile App to access student information (schedules, performance and attendance.)	Student/Parent Portal accounts DCS Mobile App accounts	Once	June 2021	
Utilize teacher leaders to develop shared common assessments and district benchmarks.	Usage Reports and Schoolnet Performance Reports	Yearly	June 2024	
Utilize teacher leaders to curate district rubrics that are vertically aligned to measure critical thinking, communication, collaboration, and creativity across content areas.	Rubrics in Canvas and Schoolnet	Yearly	June 2024	
Provide access to a variety of digital tools to conduct formative assessments and utilize the results to inform instruction.	District PD Catalog Teacher Toolbox Media Meeting Agendas	Ongoing	June 2024	
Utilize data from universal screeners, discipline tracking software, IABS process and other available data sources to create personalized learner profiles for each student to support teachers in personalized instructional strategies.	Student Performance Data Behavior Outcome Data	Ongoing	June 2024	
Develop or procure a live data dashboard to monitor academic performance, student/teacher attendance, discipline and daily operations to allow data to drive school programming decisions.	Ongoing Trend Data	Once	June 2021	