

Pitman Public Schools
2019-2022 Instructional Technology Plan for Digital Learning

District Schools

Pitman High School
Pitman Middle School
Elwood Kindle Elementary School
Memorial Elementary School
W.C.K. Walls Elementary School

Board of Education

President - Judy Walker
Vice President - Mary Beth Koniiecki
Lisa Conley
Darlene Powell
Bonnie Savage
Robert Uyehara
Dr. Ruth Wilson-Doherty

Administration

Superintendent - Dr. Patrick McAleer
Board Secretary/Business Administrator - Kelly Brazelton
Director of Curriculum and Instruction - Rebecca Brill Moody
Director of Special Services - Shea Murray
Supervisor of Technology, Data, and Assessment - Howard Galowitz

Principals

High School - Dr. Cherie Lombardo
Pitman Middle School - Kristen Stewart
Elwood Kindle Elementary School - Karolyn Mason
Memorial Elementary School - Deborah Calabree
W.C.K. Walls Elementary School - Chris Morris

Mission and Vision Statement **District Goals**

Mission Statement for Pitman Public Schools

Building on our unique traditions, the mission of the Pitman School District, in partnership with families and our community, is to educate all students through exceptional learning experiences to be discerning, ethical, confident citizens. It is the expectation of this school district that all pupils achieve the New Jersey Student Learning Standards at all grade levels.

Vision of Pitman Public Schools

To be the best school district in South Jersey.

Pitman Public Schools District Goals

Goal #1: Provide a superior, comprehensive educational program with a range of opportunities that fully prepare students for college, careers, and a productive life in the future.

Objectives:

- 1.1. Implement instructional and assessment best practices in support of a rigorous curriculum.
- 1.2. Develop an enhanced program of student personnel (guidance) services.
- 1.3. Develop and support revised, updated, and integrated technology curricula and instructional practices.
- 1.4. Develop/implement collaborative learning experiences that extend beyond the walls of the school.
- 1.5. Develop and plan for potential restructuring of district configuration to address district goals amidst financial and enrollment challenges.

Goal #2: Create and maintain a safe and dynamic environment for teaching and learning.

Objectives

- 2.1. Develop and implement updated long-range plan for maintenance and capital projects.
- 2.2. Develop and implement a new campus master plan that transforms current learning spaces.
- 2.3. Implement school security upgrades to ensure that schools are as safe as possible.

Goal #3: Create a culture of community engagement and support for the district's mission.

Objectives

- 3.1. Continue to strengthen the district's financial position.
- 3.2. Boost enrollment and retention of resident students through robust marketing.
- 3.3. Develop/update communications plan, robust marketing initiatives, district branding, and media relations.
- 3.4. Develop partnerships and opportunities to support student learning and community engagement.
- 3.5. Establish/enhance two way communications/feedback mechanisms for parents, students, and staff members.

Digital Learning Team

Stakeholders Table		
Title	Name	Signature
Superintendent	Dr. Patrick McAleer	
Director of Curriculum and Instruction	Ms. Rebecca Brill-Moody	
Principal	Ms. Kristen Stewart	
Supervisor of Technology, Data, and Assessment	Mr. Howard Galowitz	
Teacher	Mr. Robert Ditizio	
Board Member		
Parent		
System Administrator	Mr. Max Pozza	
System Administrator	Mr. Jon Wagner	

Curriculum and Instruction Overview

At Pitman Public Schools, we offer a comprehensive instructional program that fosters student growth and achievement in a nurturing environment and progressive school community. We focus on educating the whole student--addressing students' emotional and social needs as well as academics. We embrace the philosophy that every student can learn and find innovative paths to success.

Teaching and learning remain our primary mission. As we implement federal and state curricular standards, our teachers utilize and share instructional best practices and participate in district-wide professional development opportunities. Varied assessments are an integral part of our instructional program; thus, data analysis drives instructional decisions and also offers an evidence-based portrait of effectiveness.

Evaluating curricular shifts and educational research, we recognize the role of 21st Century Skills: technology integration and implementation, higher-order critical thinking skills, creativity and innovation, and team-building and collaboration. We support content literacy instruction by addressing reading and writing skills in all grade levels and disciplines.

Pitman School District prides itself on its tradition of academic excellence. Here, teachers express passion for their craft, emphasize students' practical applications to their learning, and offer numerous opportunities for individualized instruction. Our school community prepares all learners toward their career and college paths beyond our walls.

Pitman Public Schools Technology Overview

The past 3 years at Pitman Public Schools, has marked a time of tremendous growth and access to technology. Teachers and students have access to modern technology to support teaching and learning. Some of the improvements have been:

- Teachers have a dedicated 2-1 HP Chromebook as mobile dedicated computer
- 1100+ dedicated student Chromebooks spread among the 5 schools
- Teachers have programs to monitor student use and performance of web-based tools: Classroom Relay
- All kindergarten classes are 1:1 I pads with many apps to support mobile and app-based learning
- Updated or bought new applications/programs to support teaching and learning I.e. Learning Ally, Kuta Works, Adobe Create Cloud for all high school students
- Launched a highly successful Makerspace program at the Middle School. Secured resources to launch a Makerspaces at the other Schools
- New Content filters in place to keep up with CIPA compliance
- Brand new website design from Blackboard and a new App for the district. Also a new Mass Emailing system through Blackboard
- Student Information System has been updated to PowerSchool 12 and teachers now have access to Gradebook as a web app and can enter grades from home and a non-windows computer.
- Trained teachers on the use of Google Apps for Education
- Over 95% of the classroom have an Epson Interactive Projector that supports multiple users. The remaining classrooms have projectors
- Wifi infrastructure upgraded giving immediate access to the internet and other web-based programs.
- Updated servers to Microsoft 2019 Data Center
- New Video Surveillance system through CM3
- Hired Breaker Group as 3rd Party Technology Management Service
- Online Professional Development using Micro-Credentialing through Credly and Google Sites
- New phone system with updated and modern extension naming scheme
- Created a life-span for all technology and recycled older technology

Areas to focus on during the next Instructional Technology Plan:

- Replacing and updating aging technology based on current life cycles.
 - [District Computer Technology LifeCycle](#)
- Upgrading our network infrastructure to Cat 6
- Increase support and resources to the school's Makerspaces.
- New applications and programs to support teaching and learning
- Move data to cloud-based-solutions
- Increased PD to support modern teaching and learning theories and initiatives

- Increase courses for technology-based curriculums

NJTRAX Readiness

					Minimum PARCC Specs			Recommended PARCC Specs		
					Readiness for Performance Based Assessment (30-day window) (Scoring 0-9)			Readiness for Performance Based Assessment (30-day window) (Scoring 0-9)		
School	District	Active/Inactive	Date Updated	Date Submitted	Tech	Network	Device	Tech	Network	Device
Pitman High School	Pitman Boro Public Schools	Active	2019-06-05		9	9	9	9	9	9
Elwood Kindle Elementary School	Pitman Boro Public Schools	Active	2019-06-05		9	9	9	9	9	9
Memorial Elementary School	Pitman Boro Public Schools	Active	2019-06-05		9	9	9	9	9	9
Pitman Middle School	Pitman Boro Public Schools	Active	2019-06-05		9	9	9	9	9	9
W.c.k. Walls Elementary School	Pitman Boro Public Schools	Active	2019-06-05		9	9	9	9	9	9

Pitman Public Schools 3 Year Instructional Technology Plan

GOAL #1: Provide a superior, comprehensive educational program with a range of opportunities that fully prepare students for college, careers, and a productive life in the future.

Objective:	Implementation Strategies	Persons Needed	Timeline
<p><u>Objective 1.1 -</u> Implement instructional and assessment best practices in support of a rigorous curriculum</p>	<ul style="list-style-type: none"> ● Expansion of content area leader positions to assist the Director of Curriculum and instruction in training, dissemination of best practices, and coordination of curriculum revision. ● High-quality professional development opportunities for teachers to support best instructional practices, use of student performance data, etc.; includes online PD/tutorials and digital badging initiative (Credly platform) to spotlight staff growth in digital instructional practices. ● New course offerings at HS and MS – STEM/tech courses, Music Industry, Music/Pop culture, advanced computer applications, digital media II, MS growth mindset and advisory programs. 	<ul style="list-style-type: none"> ● Director of Curriculum and Instruction ● Content Area Leaders ● Data Leaders ● Supervisor of Technology, Data, and Assessment ● Systems Administrator/Computer Technicians ● BreakerGroup as 3rd party Management Services and Ruckus Cloud Management 	<p><u>2019-2020:</u></p> <ul style="list-style-type: none"> ● Course audits and research on new curriculum. ● Select new curriculums or make revisions to the current curriculum. ● Purchase resources and supplies for the Curriculums ● Order and set up new CAD Lab in HS. ● Create new drops and run wires to create new CAD Lab. ● Pilot new Interactive Panels ● Year 2 of Credly: Increase STEM- Increase course and badge offerings for STEM-related categories and topics. ● Utilize Naviance in courses related areas ● IT Department will create BYOD access for every school ● Create guest accounts for internet access ● Revise Communication Internet Policy to reflect BYOD devices ● Expand on Naviance in the Middle School and High School ● Launch New Makerspace at High School, and Kindle Elementary ● Expand on year 2 of Makerspace at Middle School, and Memorial Elementary ● Move data to cloud-based storage ● Start a new Technology Summer Internship Program ● Create a budget for the 2020-2021 school year technology updates ● Evaluate/Analyze new programs and
<p><u>Objective 1.2 -</u> Develop an enhanced program of student personnel (guidance) services.</p>	<ul style="list-style-type: none"> ● Continued rollout of Naviance software and guidance curricula at HS; expansion of Naviance software and career exploration component to MS ● High-quality professional development opportunities for 		

	<p>counselors to support best practices in counseling services, student assessment, college counseling, Naviance, etc.</p>		<p>applications to support curriculums</p>
<p><u>Objective 1.3 -</u> Develop and support revised, updated, and integrated technology curricula and instructional practices.</p>	<ul style="list-style-type: none"> ● Creation of “Makerspaces” in multiple buildings, providing spaces to develop student creativity and experimentation. ● New HS tech courses – STEAM, robotics, intro to computer science ● Instruction in coding now integrated into technology curricula in all grades. ● Achieve 1:1 device availability to students; purchase new mobile devices for all teachers to support modern instructional practices. 		<p><u>2020-2021:</u></p> <ul style="list-style-type: none"> ● Pilot new STEM Curriculum ● Pilot New Digital Citizenship Curriculum ● The possible introduction of E-Sports Gaming Team ● Analyze data to show student performance from new curriculums. ● Purchase 5-10 Interactive Panels for classrooms ● Expand on Year 2 and 3 of Makerspaces. Get new supplies or re-supply Makerspaces. ● Analyze Robotics courses to implement in the High School. ● Create splash pages for all Wifi Access ● Year 3 of Credly- Increase online PD support to STEM-related subjects and bring STEM-related activities to other subject areas. ● Purchase new administrator desktops ● Purchase replacement iPads for Kindergarten/1st grade ● Replace/Recycle first-generation Chromebooks ● Evaluate/Analyze new programs and applications to support curriculums ● Create a budget to support the replacement and purchase of technology ● Plan for technology infrastructure changes to the redistricting plan.
<p><u>Objective 1.4 -</u> Develop/implement collaborative learning experiences that extend beyond the walls of the school.</p>	<ul style="list-style-type: none"> ● Develop Career Pathways program pilot (special ed, some general ed) at PHS ● Revision of HS-STEM courses to meet criteria for NJDOE approval as certified Career and Technical Education programs. ● Develop local partnerships for intern/shadowing experiences for students (e.g Chamber of Commerce). 		<p><u>2021-2022</u></p> <ul style="list-style-type: none"> ● Analyze and implement changes to STEM Curriculum ● Expand on Year 3 and 4 of Makerspaces. Get new supplies or re-supply Makerspaces. ● Purchase 5-10 Interactive Panels ● Year 4 of Credly- Increase online PD Courses and Badge selection ● Implement Robotics course at the High School

<p><u>Objective 1.5 -</u> Develop and plan for potential restructuring of district configuration to address district goals amidst financial and enrollment challenges.</p>	<ul style="list-style-type: none"> ● Hold public meeting(s) to update community on factors such as funding, enrollment, buildings, etc. ● Announce 2019-20 plans by early January. ● Plan for potential changes, with periodic public updates and final details of potential transitions by June 		<ul style="list-style-type: none"> ● Continue with Technology Internship and expand to Middle School students ● Replace/Recycle 2nd generations of Chromebooks ● Evaluate/Analyze new programs and applications to support curriculums ● Achieve 1:1 device or 1:1 classroom ● Implement new plan for technology distribution based on district redistricting. ● Create a budget to support the replacement and purchase of technology
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GOAL #2: Create and maintain a safe and dynamic environment for teaching and learning.

Objective:	Implementation Strategies	Persons Needed	Timeline
<p><u>Objective 2.1 -</u> Develop and implement updated long-range plan for maintenance and capital projects.</p>	<ul style="list-style-type: none"> ● Evaluation of a range of long-range construction options for schools (including 2, 3, and 4 building options) and estimated costs. 	<ul style="list-style-type: none"> ● Director of Curriculum and Instruction ● Content Area Leaders ● Data Leaders ● Supervisor of Technology, Data, and Assessment ● Systems Administrator/ Computer Technicians ● BreakerGroup as 3rd party Management Services and Ruckus Cloud Management 	<p><u>2019-2020:</u></p> <ul style="list-style-type: none"> ● Evaluate Wifi saturation for the schools ● Evaluate printing and printing coverage at each of the schools ● Install cameras and create virtual servers to support the network. ● Analyze and evaluate any web-based or app-based programs for school security. ● Create a budget to support the replacement and purchase of technology <p><u>2020-2021:</u></p> <ul style="list-style-type: none"> ● Evaluate programs like Papercut and other print management solutions ● Reallocate technology- based on new district alignment ● Secure resources for centralized printing options ● Create a budget to support the
<p><u>Objective 2.2 -</u> Develop and implement a new campus master plan that transforms current learning spaces.</p>			
<p><u>Objective 2.3 -</u> Implement school security upgrades to ensure that schools are as</p>	<ul style="list-style-type: none"> ● Installation of interior and exterior security cameras at all schools. ● Installation of security vestibules at all schools. ● Revise and update security 		

safe as possible.	procedures per recommendations from School Safety Specialist Academy.		replacement and purchase of technology <u>2021-2022</u> <ul style="list-style-type: none"> • Add additional cameras if needed. • Analyze Data Disaster recovery plan to create a new 5-year plan
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GOAL #3: Create a culture of community engagement and support for the district's mission.

Objective:	Implementation Strategies	Persons Needed	Timeline
Objective 3.1 - Continue to strengthen the district's financial position.	<ul style="list-style-type: none"> • Develop multi-year budget forecasts in line with recent legislation on reallocation of adjustment aid. 	<ul style="list-style-type: none"> • Director of Curriculum and Instruction • Content Area Leaders • Data Leaders • Supervisor of Technology, Data, and Assessment • Systems Administrator/Computer Technicians • BreakerGroup as 3rd party Management Services and Ruckus Cloud Management 	<u>2019-2020:</u> <ul style="list-style-type: none"> • Analyze new budget to identify how to change, alter or modify technology plan • Contact and create new relationships with vendors to lower costs of technology • Launch App to supplement website and create a larger digital presence • Launch new Blackboard Communication Platform • Add additional PD as needed. • Analyze technology course offerings and add more technology courses • Develop digital signage programs at all schools • Secure resources to create a robotics course • Launch Makerspace at HS and other Schools. Increase offerings at Makerspace at Middle School • Look for community partners to sponsor 21st-century initiatives and donations. • Apply for grants to supplement budget
Objective 3.2 - Boost enrollment and retention of resident students through robust marketing.	<ul style="list-style-type: none"> • Wider dissemination of district mission, vision, values, and goals – posters, signage, promotional materials (internal and external audiences) • Create and disseminate new promotional materials for district programs, including K-12 tuition and preschool programs. • Proactive discussion with middle school students and HS staff to evaluate career program interests (GCIT) and comparable offerings at PHS. 		

<p><u>Objective 3.3 -</u> Develop/update communications plan, robust marketing initiatives, district branding, and media relations</p>	<ul style="list-style-type: none"> ● Rollout of new district logos ● Rollout of updated district and school website platform, including integrated ● mobile app and updated mass notification system (email/phone/SM broadcasting) ● Continued implementation of public relations plan recommendations with ● assistance of college interns; training of staff to implement these practices. ● Outreach to alumni to engage support for district mission, educate them re: ● new program offerings. 		<ul style="list-style-type: none"> ● Create a budget to support the replacement and purchase of technology <p><u>2020-2021:</u></p> <ul style="list-style-type: none"> ● Integrate SIS system to the App for greater parent/district communication ● Add more choices for High School/Middle School/Elementary School Makerspaces ● Develop a robotics course for the High School ● Look for community partners to sponsor 21st-century initiatives and donations. ● Analyze, modify and create technology K-12 curriculum. ● Apply for grants to supplement budget ● Create a budget to support the replacement and purchase of technology
<p><u>Objective 3.4 -</u> Develop partnerships and opportunities to support student learning and community engagement</p>	<ul style="list-style-type: none"> ● Continue to engage with community stakeholders regarding funding and enrollment concerns, and future potential restructuring of the district consistent with district mission, vision, and strategic goals. 		<ul style="list-style-type: none"> ● Apply for grants to supplement budget ● Create a budget to support the replacement and purchase of technology <p><u>2021-2022</u></p> <ul style="list-style-type: none"> ● Deleople additional technology-related course offerings at the High School and Middle School ● Look for community partners to sponsor 21st-century initiatives and donations. ● Launch new modified K-12 Technology Curriculum ● Apply for grants to supplement budget ● Create a budget to support the replacement and purchase of technology

<p><u>Objective 3.5 –</u> Establish/enhance two way communications/feedback mechanisms for parents, students, and staff members</p>	<ul style="list-style-type: none">● Create and administer surveys re: satisfaction to parents and students● Create and administer 360 degree feedback instruments for gathering staff● feedback re: supervisors● Promote consistent positive messaging from administration to families,● welcoming and valuing their feedback and concerns.		
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