

2021-2026

Ozark Technology Plan

Board Approved

Ozark R-VI School District Comprehensive School Improvement Plan



GOAL 1: Student Performance

Develop and enhance quality educational/instructional programs to improve performance and enable students to meet their personal, academic and career goals.



GOAL 2: Highly Qualified Staff

Recruit, attract, develop and retain highly qualified staff to carry out the Local Education Agency (LEA) mission, goals and objectives.



GOAL 3: Facilities & Operations

Provide and maintain appropriate support services with functional and safe facilities.



GOAL 4: Instructional Resources

Provide and maintain appropriate instructional resources.



GOAL 5: Parent & Community Involvement

Promote, facilitate and enhance parent, student and community involvement in the LEA/District educational programs.



GOAL 6: Governance

Govern the Ozark R-VI School District in an efficient and effective manner providing leadership and representation to benefit the students, staff and patrons of the district.

**Student Dedicated Every Day,
Student Driven In Every Way**

Technology Plan

2021-2026

Chairperson: Dr. Chesick

The District Technology Committee meets three times per year to discuss current instructional technology status, curriculum, and plan for future needs. Instructional Technology Coaches meet biweekly to discuss training needs in their buildings and the rest of the District. The Technology Department meets as a whole on a weekly basis to plan for the emergent needs of the District and outline major projects. Technology teachers across all grade levels have met to review, revise and enter curriculum into the District's Build Your Own Curriculum program.

School Board Policy EHB defines the scope of technology usage and directs the various technology departments.

Ozark School District Technology Committee:

First Name	Last Name	Building	Position
Curtis	Chesick	District Office	Assistant Superintendent of Operations
Kasey	Morgan	South Elementary	Techbrarian
Amanda	Nurnberg	East Elementary	Techbrarian
Laura	Snow	North Elementary	Techbrarian
Abigail	Wright	Junior High	English Language Arts Teacher
Kyle	Anderson	District Office	Director of Technology
Chelsie	Floyd	Middle School	Librarian
Alexis	Ennis	Middle School	Teacher
Amanda	Smith	Middle School	Techbrarian
Jane	Dimakos	Middle School	Teacher
Jeramie	Price	District Office	Network Specialist
Karen	Capen	East Elementary	Assistant Principal
Karen	Frank	North Elementary	Teacher
Sarah	Shivler	Tiger Paw	SPED Teacher
Stephanie	Mundinac	Tiger Paw	SPED Teacher
Wendi	Little	South Elementary	Teacher
Elizabeth	Wilson	West Elementary	Techbrarian
Jeff	Laney		Board Member
Sarah	Adams-Orr		Board Memeber
Victoria	Buchanan	West Elementary	Teacher

Technology Department	
Kyle Anderson	Director of Technology

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Brad Eldred	Network Specialist
Les Smith	Network Specialist
Andrew Caudle	Technology Support Specialist
Jamie Davis	Technology Support Specialist
Ethan Anderson	Technology Support Specialist
Jeramie Price	Technology Support Specialist
Kris Walden	Technology Support Technician
Chase Hampton	Technology Support Technician
Austin Carpenter	Technology Support Technician

Instructional Technology Coaches	
Laura Snow	North Elementary
Amanda Nurnberg	East Elementary
Kasey Morgan	South Elementary

Elizabeth Wilson	West Elementary
Amanda Smith	Ozark Middle School
Abigail Wright	Ozark Junior High

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Goal 1: Student Performance

Develop and enhance quality educational/instructional programs to improve performance and enable students to meet their personal, academic and career goals.

The Ozark School District has implemented a robust wired and wireless network to meet the needs of all students. The District continues to augment and replace instructional technology to ensure all students have the technology they need to succeed in the classroom. The student performance goal has been subdivided into two objectives. The two objectives are student access to technology and curriculum support.

Objective 1: The Ozark School District will maintain student access to technology.

Objective 1.1

Maintain classroom instructional technology in all classrooms across the District.

Strategy 1.1.1	Establish and maintain instructional technology model classroom.
Strategy 1.1.2	Maintain a rotation and maintenance cycle for classroom instructional technology.
Strategy 1.1.3	Maintain a computer to student ratio in 1-12 classrooms of 1:1.
Strategy 1.1.4	Maintain a computer to student ratio in Kindergarten classrooms of 1:2.
Strategy 1.1.5	Sustain a timely repair and replacement cycle for student devices.
Strategy 1.1.6	Ensure students have access to necessary applications and digital tools.
Strategy 1.1.7	Implement and track a K-4 model classroom for Chromebook use.

Measurement:

1. Annual Technology Inventory
2. Teacher and Student Technology survey

Objective 1.2

Ensure students have access tools to support the classroom curriculum and prepare them for a 21st-century workforce.

Strategy 1.2.1	Ensure students in a 1:1 environment have access to digital curriculum.
Strategy 1.2.2	Create and track student technology grade level expectations.
Strategy 1.2.3	Maintain rigorous K-12 technology curriculum delivered by qualified technology teaching staff.
Strategy 1.2.4	Ensure students have access to necessary applications and digital tools.

Measurement:

1. Teacher and Student Technology survey

Goal 2: Highly Qualified Staff

Recruit, attract, develop and retain highly qualified staff to carry out the Local Education Agency (LEA) mission, goals and objectives.

The Ozark School District has implemented a variety of professional development programs to ensure Ozark faculty and staff are trained in the technology available to them. The District also utilizes Instructional Technology Coaches in all buildings to ensure teachers have the training and support they need.

Objective 2: The Ozark School District will ensure all staff members have the training and support they need to help students succeed.

Objective 2.1

Utilize professional development sessions to train staff in use of technology supporting student achievement.

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| Strategy 2.1.1 | Utilize the PD Academy for supporting technology integration. |
| Strategy 2.1.2 | Utilize the PD time before and after school for supporting technology integration. |
| Strategy 2.1.3 | Utilize summer PD training opportunities for supporting technology integration. |
| Strategy 2.1.4 | Ensure technology training is included in District-wide training events like STAR Summit, and GO CSD to support technology integration. |
| Strategy 2.1.5 | Provide staff with opportunities to collaborate on technology integration during team time and PLC time. |
| Strategy 2.1.6 | Survey staff on specific technology training needs. |

Measurement:

1. Post PD survey
2. Teacher and Student Technology survey

Objective 2.2

Continue to utilize and train Instructional Technology Coaches and support train the trainer philosophy.

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| Strategy 2.2.1 | Employ Instructional Technology Coaches as the lead technology integration specialists in each building. |
| Strategy 2.2.2 | Instructional Technology Coaches will collaborate with staff members to develop student-focused training opportunities. |

- Strategy 2.2.3 Instructional Technology Coaches will model technology integration in the classroom.
- Strategy 2.2.4 Instructional Technology Coaches will track student success based on improved instructional technology integration.
- Strategy 2.2.5 Utilize an Instructional Technology Coach to act as the Technology, Training Coordinator.
- Strategy 2.2.6 Develop a train the trainer network across the District.
- Strategy 2.2.7 Develop training cycles for all new technologies prior to adoption and implementation.

Measurement:

1. Teacher and Student Technology survey
2. Instructional Technology Coach logs

Goal 3: Facilities and Operations

Provide and maintain appropriate support services with functional and safe facilities.

The Ozark School District has implemented a robust wired and wireless network to meet the needs of all the District. All buildings are connected to 1GB fiber connection. The District also maintains a 1GB connection to the internet. The firewall and filter were replaced in 2015. All servers are on a rotation cycle not to exceed six years of use.

Objective 3: The Ozark School District will maintain a fully functioning network infrastructure to support the technology needs of all staff and students.

Objective 3.1

The District will maintain a robust infrastructure to meet the needs of all staff and students.

- Strategy 3.1.1 The District’s wired and wireless infrastructure will maintain an uptime in excess of 97.5%.
- Strategy 3.1.2 All servers, switches, routers and other networking devices will not exceed their recommended or supported life span.
- Strategy 3.1.3 The District will maintain a bandwidth that meets both daily needs and state mandated testing requirements.

Measurement:

1. MORE.Net and internal network statistics
2. Teacher and Student Technology survey

Objective 3.2

The District will maintain all peripherals and supported systems.

Strategy 3.2.1	The District will continue to maintain a rotation cycle for all staff and student devices.
Strategy 3.2.2	Technology Department will complete an annual inventory.
Strategy 3.2.3	Technology Department will maintain project and summer project list.
Strategy 3.2.4	Work orders will be maintained in accordance with Technology Department timeline.
Strategy 3.2.5	Review and implement a stipend position for Project Manager/Dispatcher.

Measurement:

1. MORE.Net and internal network statistics
2. Teacher and Student Technology survey
3. GetHelp Work order logs and reports

Goal 4: Instructional Resources

Provide and maintain appropriate instructional resources.

Objective 4: The Ozark School District will provide students with the tools they need to successfully master grade level content.

Objective 4.1

Maintain classroom instructional technology in all classrooms across the District.

Strategy 4.1.1	Establish and maintain an instructional technology model classroom.
Strategy 4.1.2	Maintain a rotation and maintenance cycle for classroom instructional technology.
Strategy 4.1.3	Maintain a computer to student ratio in 1-12 classrooms of 1:1.
Strategy 4.1.4	Maintain a computer to student ratio in Kindergarten classrooms of 1:2.
Strategy 4.1.5	Sustain a timely repair and replacement cycle for student devices.
Strategy 4.1.6	Ensure students have access to necessary applications and digital tools.
Strategy 4.1.7	Implement and track a K-4 model classroom for iPad and Chromebook use.

Measurement:

1. Annual Technology Inventory
2. Teacher and Student Technology survey

Objective 4.2

Ensure students have access tools to support the classroom curriculum and prepare them for a 21st-century workforce.

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|----------------|---|
| Strategy 4.2.1 | Ensure students in a 1:1 environment have access to the digital curriculum. |
| Strategy 4.2.2 | Create and track student technology grade level expectations. |
| Strategy 4.2.3 | Maintain rigorous K-12 technology curriculum delivered by qualified technology teaching staff. |
| Strategy 4.2.4 | Ensure students have access to necessary applications and digital tools. |
| Strategy 4.2.5 | Maintain an infrastructure and the instructional technology resources to allow students to successfully complete the mandatory state assessments. |

Measurement:

1. Teacher and Student Technology survey

Goal 5: Parent and Community Involvement

Promote, facilitate and enhance parent, student and community involvement in the LEA/District educational programs.

Objective 5: The Ozark School District will engage parents and community members in collaborative dialogue concerning technology curriculum and student use.

Objective 5.1

Maintain open two-way communications between parents, students, and staff regarding use of District technology.

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| Strategy 5.1.1 | Create a communication plan to inform parents of technology changes across the District. |
| Strategy 5.1.2 | Utilize community forums (Chamber, Rotary, etc.) to inform and engage the community about District technology initiatives. |
| Strategy 5.1.3 | Continue to encourage parents and community members to have membership on District and building technology advisory groups as well as Technology Curriculum Committee. |

Measurement:

1. Teacher and Student Technology survey
2. Committee meeting notes

Goal 6: Governance

Govern the LEA/District in an efficient and effective manner providing leadership and representation to benefit the students, staff, and patrons of the District.

Objective 6: The Ozark School District all School Board Policies as well as all local, state and federal laws regarding technology use are up-to-date and enforced.

Objective 6.1

The Ozark School District will continually review applicable policies and laws to ensure the District is in compliance.

- Strategy 6.1.1 The District will review MSBA model policies as they are created or modified.
- Strategy 6.1.2 The District will monitor and follow all local, state and federal laws and make policy changes as needed.
- Strategy 6.1.3 The District will ensure all applicable policies are included in the necessary student and employee handbooks.

Measurement:

1. MSBA Policy Review
2. Evaluation of employee and student handbooks

Objective 6.2

The Technology Department will implement procedures to maintain accurate control of District resources.

- Strategy 6.2.1 The District will asset all District owned equipment.
- Strategy 6.2.2 The Technology Department will complete an annual inventory.
- Strategy 6.2.3 The Technology Department will employ competitive bidding for equipment and supplies.

Measurement:

1. Annual Technology Audit

Technology Hardware Replacement Cycle

1:1 Initiatives	2020-21	2021-22	2022-23	2023-24	2024-25
Middle School	460	0	500	1000	
Junior High School	0	0	500	0	0
High School	0		1300	0	500

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1-5th Grade*	80	1,200	0		1000
Subtotal of Student Devices	540	1,200	2,300	1,000	1,500
Labs/Carts					
Computer Integrated Manufacturing					
Office Computer Upgrades	50	50	50	50	50
Computer Science Project Lead the Way		21	72		24
Business Lab	24	24	48	24	24
Project Lead the Way Pre-Engineering				24	24
Subtotal of Labs/Carts	74	74	170	98	122
Total Devices	614	1,274	2,470	1,098	1,622
Teacher laptops	225	190	0		200
Projects					
K-5 Additions infrastructure					
OIC/TigerPaw Remodel Infrastructure					
Server replacement	5	5	5	5	5
Back-Up DAS Replacement					
SAN Addition Vmware upgrade					X
Network				1000000	
Filter Firewall		350000			
Wireless/Wired upgrade		100000			

Technology Project List 2020-21

FortiNet / FortiGate replacement or renewal Forticlient
 Upgrade or Removal
 North trailer; fiber, switch, wireless, telephone, access control
 Upgrade WAP in Early Childhood and Beet's Room @ CC
 Replace WAP in Bus Bay at Transportation
 Replace Cameras at Transportation
 Upgrade UPC Firmware
 Upgrade Brocade Firmware

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Windows 10-1903 to 1909 upgrade
 Netwatch Servers? (Out of Warranty)
 WSUS To SUP Migration
 Ozark Schools RootCA upgrade/replace cert server to 2019
 Career Center Subnet change
 Wire JH Science Hall with 2nd Drop
 Finish conference room at JH cabling under table
 Remove unneeded ga.ozark.k12.mo.us aliases for staff
 Run cable for intercom to 8th grade gym
 Wall pockets throughout district
 Move people and things at South - Office moves and SPED room creation
 New Laptops for Elementary teachers
 More Chromebooks
 More kindergarten Chromebooks carts
 Demo of Lit Center and cable it
 6th grade remodel at OMS
 ReACT System at HS
 Clean all projectors and filters
 Additional Items found in Facility Improvement Plan

Technology Work Orders 09/01/19-06/23/20

Row Labels	Count of Location
Career Center	20
District Office	112
East Elementary	233
Finley River School	50
High School	844
HS Multipurpose Stadium	9
JH Multipurpose Stadium	1
Jr High School	504
Lloyd - Maintenance	2
Lloyd - Technology	8
Middle School	650
North Elementary	263
South Elementary	277
Student Chromebooks	27
Tiger Paw Early Childhood Center	103
Transportation	2

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VOAG Barn	3
West Elementary	252
Wrestling Building (blank)	1
Grand Total	3361