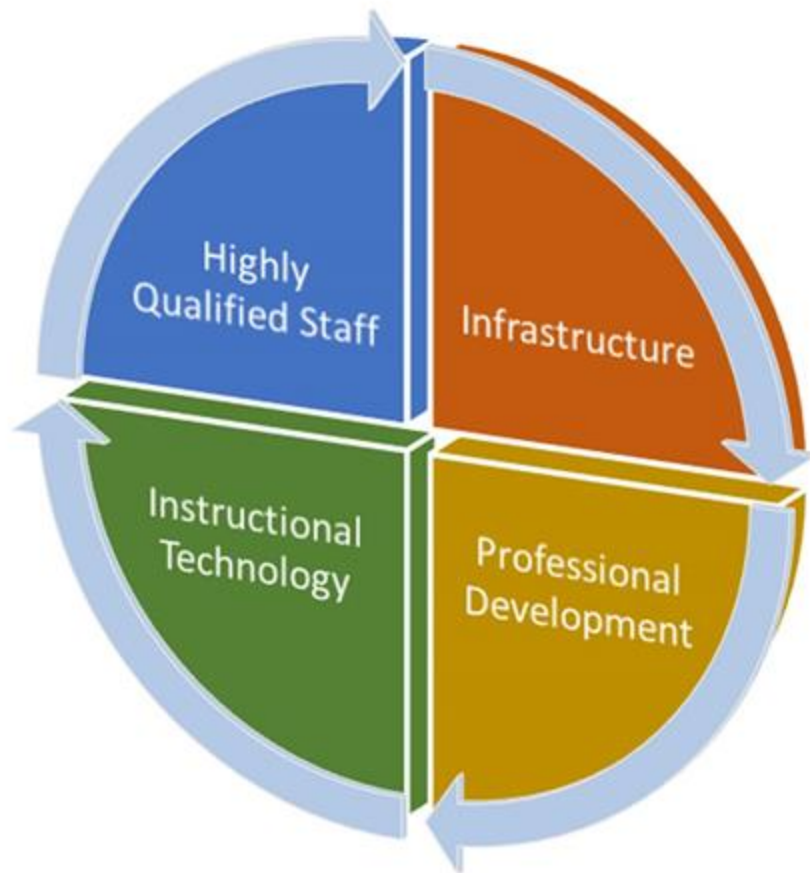


# OZARK TECHNOLOGY PLAN 2017-22



STUDENT DEDICATED EVERY DAY  
STUDENT DRIVEN IN EVERY WAY

# 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 2016-2017

## 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	Executive Director of Technology & Communications
Kasey	Morgan	South Elementary	Techbrarian
Kelli	Gargus	South Elementary	Computer Teacher
Christine	Pruett	South Elementary	Fifth Grade Teacher
Crystal	Cline	East Elementary	Fourth Grade Teacher
Amanda	Nurnberg	East Elementary	Techbrarian
Johnna	Ward	East Elementary	Computer Teacher
Michelle	White	West Elementary	Computer Teacher
Jennifer	Clark	West Elementary	Second Grade Teacher
Laura	Snow	North Elementary	Techbrarian
Stephanie	Phillips	North Elementary	Computer Teacher
Andrea	Ford	North Elementary	Second Grade Teacher
Nicole	Watkins	Middle School	Techbrarian
Abigail	Wright	Junior High	English Language Arts Teacher
Sara	Floyd	High School	Instructional Technology Coach
Sandi	Criswell	High School	English Language Arts Teacher
Shayna	Peery	High School	English Language Arts Teacher
Erin	McAninch	High School	Math Teacher
Sam	Taylor	High School	Principal
Jared	Lotz	West Elementary	Assistant Principal
Kyle	Anderson	District Office	Director of Technology

Lindsay	Ash	Junior High	Science Teacher
Josh	Fish	Junior High	Computer Teacher
Baylee	Burk	High School	Family and Consumer Sciences Teacher
Kim	Fitzpatrick	South Elementary	Principal
Lauren	Henry	Middle School	Computer Teacher
Ashleigh	Jones	Junior High	English Language Arts Teacher
Matthew	Lee	Junior High	Social Studies Teacher
Holly	Muns	High School	Librarian
Brad	Sterling	District Office	Director of Technology Integration
Philip	Link	Junior High	Assistant Principal
Amy	Blakey	High School	Technology Teacher
Lori	Bolks	High School	Technology Teacher
Lori	Lewis	East Elementary	Speech and Language Pathologist
Frances	Gooden	Finley River School	Director
Joey	Mills	Community Member	
Chelsie	Floyd	Community Member	
Steve	Perryman	Community Member	
Sherry	Phelan	Community Member	
Dek	Prentice	Community Member	

Technology Department	
Kyle Anderson	Director of Technology
Brad Sterling	Director of Instructional Technology
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
Alex Doner	Technology Support Technician

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

Board Approved March, 2017

Elizabeth Wilson	West Elementary
Nicole Watkins	Ozark Middle School
Amanda Smith	Ozark Junior High School
Sarah Floyd	Ozark High School

## 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 21<sup>st</sup>-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.

- |                |   |
|----------------|---|
| 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.

- 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. SchoolDude 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 21<sup>st</sup>-century workforce.

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.

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

<b>Technology Hardware Replacement Cycle</b>					
<b>1:1 Initiatives</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Middle School	0	918	0	0	0
Junior High School	1,000	0	0	0	0
High School	0	0	0	1,500	
1-5th Grade*	0		1000		1,000
<b>Subtotal of Student Devices</b>	1,000	918	1000	1,500	1,500
<b>Labs/Carts</b>					
Computer Integrated Manufacturing					
Computer Science Project Lead the Way	24		24		
Business Lab	24	24		24	24
Project Lead the Way Pre-Engendering		24	24		
N-Computing Lab	210				
Elementary Chromebook Carts		100			
iPad Replacement/Addition	0	100	100	100	200
<b>Subtotal of Labs/Carts</b>	258	248	148	124	124
<b>Total Devices</b>	1,258	1,166	1,148	1,624	1624
<b>Projects</b>					
K-5 Additions infrastructure					
JHS Additions infrastructure	X				
Server replacement	5	5	5	5	5
Back-Up DAS Replacement					
New Phone System	X				
SAN Addition Vmware upgrade					
Filter Firewall				X	X
Wireless/Wired upgrade	HS/DO/TPEC	6th-9th	K-5th		

# 1:1 Transition Plan

<b>Middle School - Current Totals 2016-17</b>					
Device	Sped	Library	Number of Carts	Chromebooks in carts	Total
Dell Chromebooks			38	1,047	1,047
Dell Laptop		1	1	60	60
			Upper Total	1,147	

<b>Junior High School 2016-17</b>			
Sped	Library	Chromebooks	Total
27	14	433	474

<b>High School 2016-17</b>	
Chromebooks	1727

<b>Elementary Chromebook Carts</b>			
	Number of Carts	Additional	Total Devices
North	18		459
South	19		486
East	17		437
West	19		483

<b>Distribution of Remaining Carts</b>	
Current number of Dell Chromebooks at JHS	474
Total number of carts added to Elementary	19
Devices will be purchased, so the 8 <sup>th</sup> and 9 <sup>th</sup> grade Chromebooks will match	500
Additional carts number of carts added to the Elementary	20

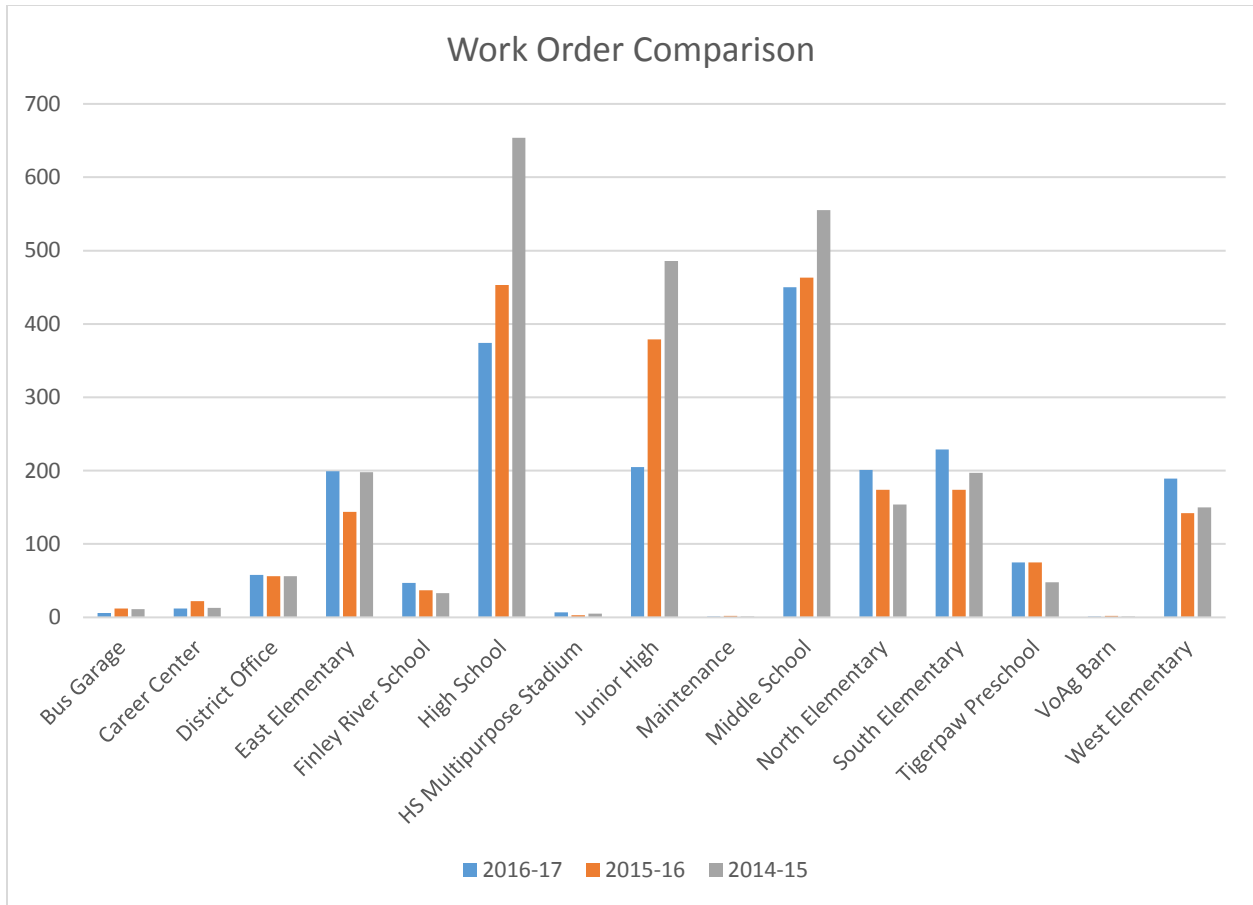
# Technology Project List 2016-17

Building Construction
Cabling
Cable TV Coax
Fiber
Networking
Wireless
Cameras
Phones
Access Control
Classroom Tech
Speakers
Projector
Docking Station
Digital Tuner
Document Cam
MM Cables
MM Jacks & Plates
Server Replacements; SCCM, VCS, Exch2
Backup DAS Replacement
New Phone System
SAN Addition / VMware Upgrade 6.x
Exchange Server 2016
Remove Old Cabling from Upper
Setup MAP / EEL TSM Servers
Yearly MAP & EOC Testing Support
Year End Inventory Audit & Equipment Collection
Yearly Adds / Moves / Changes
Desktop Computers in Offices Replacement 380/390's
Visitor Check-In District-Wide
Papercut Upgrade
Evaluate Document Storage Solution
Tech Warehouse Inventory
School Bus Camera DVR's
Systems Based Technology & Cross Training
Move Chromebook Carts Between Buildings
JH/FRS Classrooms Tech Disassembly & Rebuilding
Genetec Archive Server

Internet Domain Migration
Replace High School WAPS

## Technology Work Orders 03/01/16-02/28/17

Location	Total
Bus Garage	6
Career Center	12
District Office	58
East Elementary	199
Finley River School	47
High School	374
HS Multipurpose	
Stadium	7
Junior High	205
Maintenance	1
Middle School	450
North Elementary	201
Ozark Website	1
South Elementary	229
Tigerpaw Preschool	75
VoAg Barn	1
West Elementary	189
(blank)	
<b>Grand Total</b>	<b>2055</b>



## Professional Development 2016-17

The District continues to offer technology PD before and after school as the part of the District’s Professional Development Plan. Instructional technology training is also incorporated throughout the PD Academy and Star Summit. Ozark’s instructional technology model is based on the TPACK Model (Technology, Pedagogy and Content Knowledge). In this model, the emphasis begins with the student’s objective. The teacher then builds lessons around their content knowledge and pedagogical training. The teacher then uses their PD to utilize instructional technology as a support piece to the strategies they are implementing.



<b>Technology Professional Development Summary</b>			
Year	Total Sessions	Number of Attendees	Total Hours
2016-17*	86	1,665	1,744
2015-16	99	1,619	1,702
2014-15	145	2,080	2,366
2013-14	142	2,325	2,792

\*Data as of March 6<sup>th</sup>, 2017

In addition to the hours of training offered above, Instructional Technology Coaches offer PD during common planning times and PLC time. Instructional Technology Coaches also offer personalized one-on-one coaching throughout the day. Below is a summary of some of the activities Instructional Technology Coaches have offered during the first semester of the 2015-16 school year.

Building	Shoulder to Shoulder	Instructional Tech Coaching	Classroom Visits/Tech Support	Team Meetings	Admin Requests	Total Hours
Upper Elementary	59	70.5	115	83	65	392.5
Junior High School	60	58	90	30	40	278
K-4 (4)	292	255	279	28	24	1,006.2

K – 4 – Research and Development – 108 hrs