

# Kindred Public School District #2

## Technology Plan 2019-22

May 2019

### Technology Planning Process

The development of the Kindred Public School District plan for educational technology involved the review of the 2015 North Dakota Educational Technology Plan. The Technology Plan for Kindred Public School will be consistent with the state plan, ND Library and Technology Literacy Standards, North Dakota Computer Science and Cybersecurity Standards, Every Student Succeeds Act (ESSA), North Dakota Education Technology Council and the E-rate program.

The purpose of the 2019 plan is to identify goals, strategies, timelines, measures and rational that the district will use in supporting the use of technology within the district. The plan also provides guidance to Kindred Public School educators, school leaders and other stakeholders in planning for educational technology.

The 2019 Kindred Public School educational technology planning process is ongoing. Teachers, technology staff, library media specialist and administrators were identified to serve on the planning committee. Collaboration was done onsite either in whole group, small group or online.

The technology planning committee was comprised of the following members:

Superintendent: Steve Hall

Principals: Kent Packer, Secondary Principal,  
Nancy Kochmann, Elementary Principal

Dean of Students / Activities Director: Matthew Crane

Technology Coordinator: Gina Dahl

Assistant Technology Coordinator: Ellen Ista, Teacher

Technology Integration Specialist: Julie Jensen

Library Media Specialist: Polly Roe

Teachers: Scott Bartram, Breanna Bregel, Trista Briscoe,  
Linda Cose, Ellen Ista, Brooke Kuznia, Justin Lehmann,  
Mary Morin and Tanya Neumiller

Curriculum Committee: Kindred Public School Board

The plan will be communicated to the constituents in a variety of methods including, but not limited to: direct communication, electronic mail, district website, staff development opportunities, and the student and staff handbooks. The plan will be approved by the Kindred Public School Board Members.

Content filtering is provided by EduTech and been in place for several years prior to the writing of this educational technology plan. Content is filtered by category and allowed or blocked by individual sites, requested by Kindred Public School staff. In addition, a second layer of content filtering is provided with local resources.

### Introduction

Students will be engaged in their learning and work in a more self-directed manner, benefiting from a technology-rich environment. Students will develop abilities and strategies to interact with information resources. This includes analyzing information, appreciating a variety of perspectives, and producing products that communicate ideas effectively. Students will act responsibly with respect to intellectual freedom and intellectual property rights. They will become digital citizens.

It is not enough to simply automate traditional instructional methods; using educational technology, the district must be open to exploring new ways of providing students with the education they need to be successful. Technology should not be used and valued for what it is, but rather for what it does. Technology tools should assist students, teachers, staff, and administration in creating a successful learning environment.

By using educational technology, the district staff will:

1. Provide real world experiences, expanding communication skills, focusing on higher-order (critical) thinking skills, problem solving skills, and engaging students in learning how to learn.
2. Integrate technology within the curriculum to restructure and enrich or enhance the existing curriculum in all subject areas to make it more interesting, more exciting, more challenging, and more motivating.
3. Provide access to materials in all formats and to attain information literacy by practicing strategies for retrieving and using information throughout the curriculum.
4. Improve literacy and proficiency in the use of educational technology through training opportunities and personal enhancement of skills.
5. Explore new ways to access educational technology and learning.

### Vision for Educational Technology at Kindred Public School

Kindred Public School District encourages all students, teachers, staff and administration to be digital citizens by incorporating technology as an essential resource (tool) and to grow and acquire the academic, ethical, and social skills that lead to success in a digital world.

### Goals for Educational Technology at Kindred Public School

The Kindred Public School District Technology Plan has five goals to achieve the vision.

Page	Goals, Rationale, Strategies, Timelines, Measures, Current Status
3	Goal 1. A vision for educational technology is available to educators to help guide their technology planning and implementation.
3	Goal 2. Schools will maintain and enhance learning environments that include effective technology resources for educators and students.
4	Goal 3. Educators will use appropriate technologies to improve their teaching and other professional practices.
5	Goal 4. Educators will provide students with technology-rich learning opportunities.

#### Goal #1:

A vision for educational technology will be available to educators to support curriculum planning and implementation.

Strategies	Measure	Timeline
<i>Kindred Public School will communicate the district's vision for educational technology to stakeholders</i>	<i>The district educational technology plan is published and distributed to stakeholders via district website.</i>	<i>Ongoing.</i>
<i>Kindred Public School will use a stakeholder group to develop a clear vision for educational technology.</i>	<i>The district educational technology plan will be approved by the Kindred Public School Curriculum Committee and School Board.</i>	<i>Ongoing.</i>
<i>Kindred Public School Educators will keep up to date with state standards to lead and model for students.</i>	<i>All employees at Kindred Public School will utilize the computer science and cybersecurity standards and will lead by example.</i>	<i>Ongoing.</i>
<i>Kindred Public School will provide technical support so technology resources are reliable and available to educators and students.</i>	<i>The district employs a fulltime technology coordinator and fulltime technology integration specialist along with one teacher to assist with educational technology.</i>	<i>Ongoing.</i>

District employes have access to resources to support the Standards: North Dakota Computer Science and Cybersecurity; North Dakota Technology and Library and International Society of Technology in Education (ISTE).

Clear expectations are required to take the Vision for Educational Technology at Kindred Public School and put instructional technology into practice in the classroom. School administrators and the technology planning committee play a key role in communicating the vision to stakeholders and setting expectations for translating that vision into practice. Educators are expected to embrace the technology vision and integrate technology tools as resources in ways to support 21<sup>st</sup> Century Classrooms.

Technology is an everyday tool for teaching and learning used by all stakeholders: students, teachers, administrators, staff and parents.

**Goal #2:**

Schools will maintain and enhance learning environments that include effective technology resources for educators and students.

Strategies	Measure	Timeline
<i>North Dakota Information Technologies Department provides high speed Internet connectivity.</i>	<i>Basic connectivity provided by state providers.</i>	<i>Ongoing.</i>
<i>Kindred Public School will continue to provide infrastructure to support high speed Internet.</i>	<i>Connections between switches will build on 10GB redundant connections between networking closets and Wi-Fi infrastructure will be upgraded to support 802.11ax (Wi-Fi 6)</i>	<i>Ongoing.</i>

*Kindred Public School will continue to provide a student-to-computer ratio in order to provide regular and equitable access for all students to modern, multimedia computers and related devices, including assistive technology for students with disabilities.*

*District data reports that Grades K-12 has device to student ratio of at least one device to one student (1:1).*

*Ongoing.*

Kindred Public School District #2 provides access to educational technology with the following resources:

1. 250M Ethernet Internet connection.
2. Wireless access – every classroom in Grades K-12 has access point providing fast, reliable Internet access.

The Kindred Public School is current in capacity of hardware and software to support appropriate educational usage by students, teachers, and administrators.

**Goal #3:**

Educators will use appropriate technologies to improve their teaching and other professional practices.

**Strategies**

*Kindred Public School will endorse the national and local standards as a guide to use in developing educational programs.*

**Measure**

*Standards are published on the district website.*

**Timeline**

*Ongoing.*

*Kindred Public School will assess the technology proficiency of all educators.*

*The district will annually assess the technology proficiency of educators.*

*Ongoing.*

*Kindred Public School will make professional development available to educators that meet the technology skill and integration needs as identified in school improvement and professional development plans.*

*District improvement and professional development plans identify technology as a means to achieve district goals.*

*Ongoing.*

The planning committee will encourage the integration of educational technology for educators and administrators with guidance from the International Society for Technology in Education (ISTE) Standards were published for Teachers (2008) and Administrators (2009). The technology planning committee will assist the district in developing guidelines and strategies for educators to improve their teaching and professional practices. Professional Development will be assessed and will guide future professional development opportunities for instructional technology.

Professional development will help ensure that technology is used effectively to create new opportunities for learning and to promote student achievement. Through professional development, educators should become proficient at aligning technology use with student learning standards and goals and integrating technology seamlessly into the curriculum. Professional learning communities are held weekly at Kindred Public School for ongoing

collaboration.

**Goal #4:**

Educators will provide students with technology-rich learning opportunities.

Strategies	Measure	Timeline
<i>Kindred Public School will endorse the state and national standards for students as a guide to use in student learning activities.</i>	<i>Standards are published on the district website.</i>	<i>Ongoing.</i>
<i>Kindred Public School educators will implement standards-based learning opportunities that use effective technology enhanced instructional strategies to meet the learning styles/needs of all students, including students with disabilities.</i>	<i>District educators participate in professional learning communities; concentrating on content area improvement, reading and state standards.</i>	<i>Ongoing.</i>
<i>Kindred Public School will provide technology-rich learning environments.</i>	<i>The district provides a variety of technology to students in grades K-12.</i>	<i>Ongoing.</i>

Classroom teachers have developed Professional Learning Communities (PLC) where they discuss content area improvement, reading and state standards and cross curricular learning. The staff continues to build on previous professional development activities that were provided during the AdvancEd school improvement process.

By providing examples of technology-rich learning opportunities, creating an environment where technology-enriched learning is shared, and reviewing state and national standards, steps can be taken to acquire the equipment, materials, plan for professional development and provide for instructional staff necessary to accomplish this goal.

**Technology Plan Contact:**

Gina Dahl, Technology Coordinator  
 255 Dakota Street  
 Kindred, ND 58051  
 701-428-3177 ext 3905  
[Gina.Dahl@k12.nd.us](mailto:Gina.Dahl@k12.nd.us)

## Appendices

## Budget

2018-19 Budget:		2019-20 Budget	
General Fund	2018-19	General Fund	2019-20
Technology Support	\$ 60,000	Technology Support	\$60,000
Communication	2,000	Communication	2,000
Supplies	16,000	Supplies	16,000
Software	25,500	Software	25,500
Hardware	200,000	Hardware	300,000
<u>Total</u>	<u>\$ 303,500</u>	<u>Total</u>	<u>\$403,500</u>

## Equipment:

Each classroom has one modern computer with access to the Internet for teachers; teachers in primary grades with 1:1 ipads will have one iPad for teacher use. Kindred Public School District #2 provides access to digital devices in the following grade levels:

- Grades K-2: iPad Air 1 for each student and teacher
- Grades 3: MacBook Air for each student and 40 Shared iPads.
- Grades 4-6: MacBook Air or MacBook Pro for each student
- Grades K-6: 1 physical computer lab with 24 computers (Library).
- Grades 7-12: MacBook Air for each student.
- Instructors: MacBook Pro 13" (2018)
- Instructors: Grades K-2 (iPad classrooms): iPad Air 1

All classrooms are equipped with interactive whiteboards or interactive projectors (all classrooms have mounted projectors), an AppleTV and document camera. Each student will have access to a device.

The district provides student and staff access to 24 modern computers in the following lab setting:

- Room E185 (Library) – 24 seat computer lab, printer, wireless network and interactive projector, 6 Apple SuperDrive for check out
- Room H091 – 10 computers for checkout, 3 Apple SuperDrive for check out

## Other technologies available:

- Laser Printers for students
- Multifunctional Copiers for staff
- Unlimited Cloud Storage (Microsoft and Google)
- Classroom telephone in instructional and meeting spaces
- Standardized district software
- Specialty software/subscriptions