

Education Technology Plan for

Central R-III School District

Mission Statement:

"It is the mission of the Technology Department to provide a secure technological environment, to enhance classroom instruction, and to increase student achievement."

The Central R-III School District strives to involve students, parents, staff, and the community as partners in the educational process to develop lifelong learners and responsible citizens in an ever-changing society. The District will provide varied opportunities to increase skills, broaden knowledge, enhance application and develop work habits necessary to successfully:

- Attend an academic college or university
- Further education through a trade or technical school
- To seek and maintain employment

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

1. Objective: Provide students with relevant technology related training, equipment, and software to help them to: be able to properly complete assignments using a word processing system, be able to retrieve information from electronic databases, be able to log on and off the District network, be able to operate software programs of choice on a personal computer, be able to communicate with others using technology, be able to search the library electronic card catalog, be able to create multimedia presentations, and be able to interact with and acquire information from wide area networks such as the Internet.

1. Strategy: The District will use technology to help deliver, monitor, and assess student learning to meet student needs (such as integrated learning systems, computer-assisted instructional software, and electronic assessment tools). Students of Central R-

III will be able to utilize tools to complete class work and enhance their academic environment in conjunction with the District's continual improvements to academic achievement and performance through the integration of technology into curriculum.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Implement the District's Technology Scope and Sequence each school year.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Teachers will use technology-based instructional strategies in their lessons.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

3. Action Step: Maintain every Central Elementary & West Elementary classroom with a DVD or Blu-ray player, Smartboard, audio system, document camera*, and projector. Transition DVD players to Blu-ray players and VGA cabling to HDMI cabling. Maintain every Middle School and High School classroom with audio system and interactive board/projector. *Document cameras at West Elementary will be made available upon request.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

4. Action Step: Evaluate password policy.

Date To Implement Action Step: 08/01/2025

Date of Completion: 05/24/2026

5. Action Step: Continue implementation of Google Apps for Education and 1:1 with touch screen Chromebooks for High School, Middle School, West Elementary, and Central Elementary students. This includes email, file storage, online word processing and other online applications, and streaming video.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

6. Action Step: Maintain conduit, wall plates, cabling (network, power, peripheral), and storage of technology equipment and items in all classrooms and all other locations so that technology equipment and items are organized and can be troubleshooted more easily. Do this in such a way so that rooms can be broken down and put back together more easily for summer cleaning as well.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

7. Action Step: Work closely with the Curriculum Director and possibly form a Special Technology Planning Committee to revise the District's Technology Scope and Sequence.

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2028

2. Objective: Integrate Technology Competencies to 100% of the student population throughout curriculum, including 8th Grade Technology Literacy.

1. Strategy: All students will engage in rigorous instruction driven by technology-enriched curriculum that meets students' assessed needs, results in high levels of academic achievement and performance, and fosters life-long learning. Students of the Central R-III School District will be able to utilize tools to complete class work and enhance their academic environment in conjunction with the District's continual improvements to academic achievement and performance through the integration of technology into curriculum.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Implement the District's Technology Scope and Sequence each school year.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Technology integration will be implemented into curriculum that addresses student concepts for grades K-12.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

3. Action Step: All vocationally-approved programs/classes will maintain state of the art technology hardware and software.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

4. Action Step: Continue West Elementary's West Tech Club with a West Elementary teacher and a member of the Technology Department to encourage technology use, creativity, and inspiration.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

5. Action Step: Continue Middle School's Central R-3 Rebel Bots class offerings (2) and afterschool program with a minimum of a Middle School teacher and a member of the Technology Department. Use Vex robotics and curriculum. Do this to encourage technology use, creativity, and inspiration.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

6. Action Step: Continue Middle School and High School Technology Support Intern (TSI) programs, where students work with the Technology Department to troubleshoot Google and Chromebook issues.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

7. Action Step: Continue the Esports club/team at the High School with a High School teacher and a member of the Technology Department.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

8. Action Step: Continue High School's Central R-3 Rebel Bots class offering (1) and afterschool program with a minimum of a High School teacher and a member of the Technology Department. Use Vex robotics and curriculum. Do this to encourage technology use, creativity, and inspiration.

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2028

3. Objective: 100% of the students will have progress measures throughout the year to determine strengths and weaknesses for academic achievement.

1. Strategy: The District will use technology to help deliver, monitor, and assess student learning to meet student needs (such as integrated learning systems, computer-assisted instructional software, and electronic assessment tools). Students of the Central R-III School District will be able to utilize tools to complete class work and enhance their academic environment in conjunction with the District's continual improvements to academic achievement and performance through the integration of technology into curriculum.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Students' skill and education levels will be measured using several technology-based tools and assessments approved by the Curriculum Director. At West Elementary and Middle School, students' typing skill levels will be measured with TypingClub.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: EOC results will be used as a measuring and assessment tool for High School students.

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2028

3. Action Step: Students will apply technology to real world problems, use media tools to communicate and share ideas, increase their technology usage, and learn advanced skills.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Goal: Recruit, attract, develop, and retain highly qualified staff to carry out the LEA (local educational agency)/District mission, goals, and objectives.

1. Objective: Teachers will be trained to improve technology integration into the curriculum through professional development activities. Workshops will be provided.

1. Strategy: Teachers will use up-to-date technology tools and resources to support curriculum objectives; tools and resources are readily available for teacher and student use; and, training in the use of the tools and resources is provided. The Central R-III School District will ensure ongoing professional development for all staff in the use of current and future technologies.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Provide teachers with training and resources to enhance instruction.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Continue implementation of the “Focus on Technology” and security segment online newsletter to faculty and staff for professional development.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Objective: The District will offer high quality professional development activities to 100% of the instructional staff.

1. Strategy: The District will promote and provide effective leadership and professional development that promotes differentiated instruction through the use of technology and makes adequate plans for sustained and beneficial growth in technology integration and educator proficiency; the District will use technology to help provide professional development. The Central R-III School District will ensure ongoing

professional development for all staff in the use of current and future technologies.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Provide teachers with training and resources to enhance instruction.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Continue implementation of the “Focus on Technology” and security segment online newsletter to faculty and staff for professional development.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

3. Goal: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

1. Objective: The District will provide essential hardware and software for instruction.

1. Strategy: The District will provide equitable access to appropriate technology tools and resources that are varied and diverse and facilitate differentiated instruction (including electronic resources, assistive technologies, and technology-assisted alternative learning environments). The District will systematically secure, maintain, and upgrade information access and equipment to serve students and staff so student achievement is maximized.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Maintain and monitor wired and wireless technology in the District.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Evaluate network connections between buildings and sites. Then, develop an upgrade plan if needed.

Date To Implement Action Step: 08/1/2026

Date of Completion: 05/24/2027

3. Action Step: Continue implementation of the latest builds of Windows 11.

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2026

4. Action Step: Deploy new server operating system as needed.

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2027

5. Action Step: Continue that Chrome OS is the supported tablet/mobile operating system; continue no support of iPads or other iOS devices. No support of other OS devices.

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2028

8. Action Step: Evaluate monitoring of personal devices on Wi-Fi.

Date To Implement Action Step: 08/01/2025

Date of Completion: 05/24/2026

9. Action Step: The District will maintain adequate Technology Department staff to support task response times not to exceed 48 hours.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Objective: The District will maintain a 4 year rotation plan of equipment in keeping with the established Technology Rotation Plan.

1. Strategy: The District will provide equitable access to appropriate technology tools and resources that are varied and diverse and facilitate differentiated instruction (including electronic resources, assistive technologies, and technology-assisted alternative learning

environments). The District will systematically secure, maintain, and upgrade information access and equipment to serve students and staff so student achievement is maximized.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Ensure that all equipment is rotated using the Technology Rotation Plan.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Maintain teachers and other faculty/staff having a Windows laptop with docking station instead of a desktop computer and Chromebook. As office, paraprofessional, and other devices reach end of life, evaluate laptop solution for them as well.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

3. Objective: Each year the Technology Director will attend technology-related training sessions. In addition to this, the Technology Director will assign the other Technology Department staff to attend technology-related training sessions. Also, each year a work order tracking system will be used to track and record technical problems so that problems can be addressed in a timely manner.

1. Strategy: The District will employ/designate a technology leadership position to oversee and coordinate efforts of a representative committee that helps oversee the District's technology implementation, planning, and evaluation efforts. The Central R-III School District will continue to provide support and quality assistance to maintain and improve the technology-supported educational environment.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Technology Director will continue to attend training sessions as much as time and funding permit.

Date To Implement Action Step: 05/01/2024
Date of Completion: 05/24/2028

2. Action Step: Technology Department staff will continue to attend training sessions as much as time and funding permit.
Date To Implement Action Step: 05/01/2024
Date of Completion: 05/24/2028

3. Action Step: Remote Information Management will be maintained so that timely technological support can be provided.
Date To Implement Action Step: 05/01/2024
Date of Completion: 05/24/2028

4. Action Step: Maintain current work order tracking system.
Date To Implement Action Step: 05/01/2024
Date of Completion: 05/24/2028

5. Action Step: Continue 1:1 at West and Central Elementary.
Action Step: 08/01/2024
Date of Completion: 05/24/2028

6. Action Step: Continue with 1:1 at the High School and the Middle School.
Date To Implement Action Step: 08/01/2024
Date of Completion: 05/24/2028

7. Action Step: Evaluate BYOD and monitoring of personal devices on Wi-Fi.
Date To Implement Action Step: 08/1/2025
Date of Completion: 05/24/2026

9. Action Step: Evaluate the need for additional Technology Department staff.

Date To Implement Action Step: 08/1/2026

Date of Completion: 05/24/2027

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

1. Objective: The District will maintain a District student information system, maintain email, and maintain communication software for 100% of the student population.

1. Strategy: The District will provide opportunities for parents and community to observe and use instructional technology; will involve a broad, diverse section of the community on the CSIP (and/or technology) planning committee; and will use technology to facilitate interactive communications among district staff, parents, and community members. The District will systematically secure, maintain, and upgrade data management software to serve administrative needs, to manage student information, and to provide a means of communication so student achievement is maximized.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Maintain the District's student information system (including parent access) and financial system.

Date To Implement Action Step: 08/1/2024

Date of Completion: 05/24/2028

2. Action Step: Continue to improve staff to parent/student/community communication through email, social media, and website capabilities.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

3. Action Step: Continue implementation of a call, text, and email emergency/notification system for increased student/parent communication.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

4. Action Step: Continue implementation of improved content on the District website, including teacher content.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

5. Action Step: Maintain TVs for announcements at Central Elementary, West Elementary, Middle School, High School, and Central Office

Date To Implement Action Step: 08/01/2024

Date of Completion: 05/24/2028

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

1. Objective: The District will maintain a District student information system, maintain antivirus software, maintain email, and maintain communication software.

1. Strategy: The District will implement effective and efficient administration, data management, and communication processes through the use of technology that further supports teaching and learning. The District will systematically secure, maintain, and upgrade data management software to serve administrative needs, to manage student information, and to provide a means of communication so student achievement is maximized.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Continue to improve the efficiency of the District's student information system (including parent access) and financial system.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Evaluate the efficiency of the District's antivirus software as well as Faculty/Staff MFA and Student MFA.

Date To Implement Action Step: 08/1/2025

Date of Completion: 05/24/2026

3. Action Step: Continue to improve staff to parent/student/community communication through email, social media, and website capabilities.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

4. Action Step: Continue implementation of a call, text, and email emergency/notification system for increased student/parent communication.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

5. Action Step: Upgrade firewall.

Action Step: 08/01/2025

Date of Completion: 05/24/2026

6. Action Step: Upgrade wireless network.

Action Step: 08/01/2026

Date of Completion: 05/24/2027

7. Action Step: Maintain phone system.

Action Step: 08/01/2024

Date of Completion: 05/24/2028

8. Action Step: Evaluate the efficiency of the District's backup solution.

Action Step: 08/01/2027

Date of Completion: 05/24/2028

9. Action Step: Evaluate the District's camera security systems and consider major upgrades.

Action Step: 08/01/2027

Date of Completion: 05/24/2028

10. Action Step: Establish a rotation plan for the District's camera security systems.

Action Step: 08/01/2024

Date of Completion: 05/24/2025

11. Action Step: Evaluate the Technology Department's plans for Disaster and Recovery.

Action Step: 08/01/2026

Date of Completion: 05/24/2027

12. Action Step: Continue to apply for local, state, and federal grants that support technology.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

13. Action Step: Maintain a sufficient budget to cover total cost of ownership and technology line items for the entire

District. Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

14. Action Step: Evaluate and likely replace inventory system.

Date To Implement Action Step: 05/01/2025

Date of Completion: 05/24/2026

2. Strategy: The District will continue to establish and maintain policies and procedures to ensure effective and safe use of technology resources and that are in compliance with federal and state requirements.

Date to Implement Strategy: 05/01/2024

Date of Completion: 05/24/2028

1. Action Step: Policies and procedures related to technology will be reviewed annually and updated as necessary, and will be integrated with the District's Acceptable Use Policy (AUP) agreements and other technology-related agreements as needed for students and staff.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028

2. Action Step: Appropriate online resources will be used to help instruct students and staff on online safety issues, including cyberbullying.

Date To Implement Action Step: 05/01/2024

Date of Completion: 05/24/2028