

# Beaver River Central School District



**2022-2025**

## **Instructional Technology Plan**

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## Executive Summary:

The 2022-2025 Instructional Plan provides a framework to improve instructional technology within the Beaver River Central School District. This plan compliments the strengths of Beaver River's faculty and the many technological successes achieved daily in our classrooms. Additionally, it provides a path to capitalize on our opportunities for further advancement of technological integration in our classrooms. This plan will increase access to technology for our students and staff, both within and beyond the confines of the school day. It is also the intention of this plan to The plan is intended to compliment the vision and goals of the district, as well as the district wide professional development plan. Finally, as this plan is intended to be a living document, and given the 3 year time span, adjustments will be necessary throughout its lifespan.

## District Mission Statement:

Beaver River Central School serves as a center for education in dynamic partnership with students, staff, parents, and community to provide each student the opportunity to achieve maximum potential in all areas of life and learning now and in the future.

## Instructional Technology Vision:

Beaver River CSD recognizes that technology is, and will be, an integral part of the life of each student and faculty member. In recognizing this, the district envisions an environment that provides the appropriate tools and skills its students and faculty need to use technology to their benefit and achieve success.

## 2022-2025 Instructional Technology Goals:

- 1) By September 2023, the Beaver River CSD Technology committee will create and implement a common Digital Citizenship and Technological Proficiency framework throughout the district. This framework will comprehensively address the ISTE student standards for digital citizenship and technological proficiency. The committee will curate age appropriate turnkey tools and curriculum standards appropriate to each grade level.
- 2) By June 2024, the Beaver River CSD Technology committee will develop and implement a plan to deliver professional development opportunities for staff. The committee will collaborate with the professional development committee to create consistency and provide strategies to implement the digital literacy framework produced in Goal 1.
- 3) By June 2025, the Beaver River CSD Technology committee will develop and implement a plan to inform, educate, and train parents to empower and support their children's use of instructional technology. The committee will consider how to maximize the resources the district has, what investments the district could make, and which external entities could partner with the district to achieve this goal.

# Action Plan

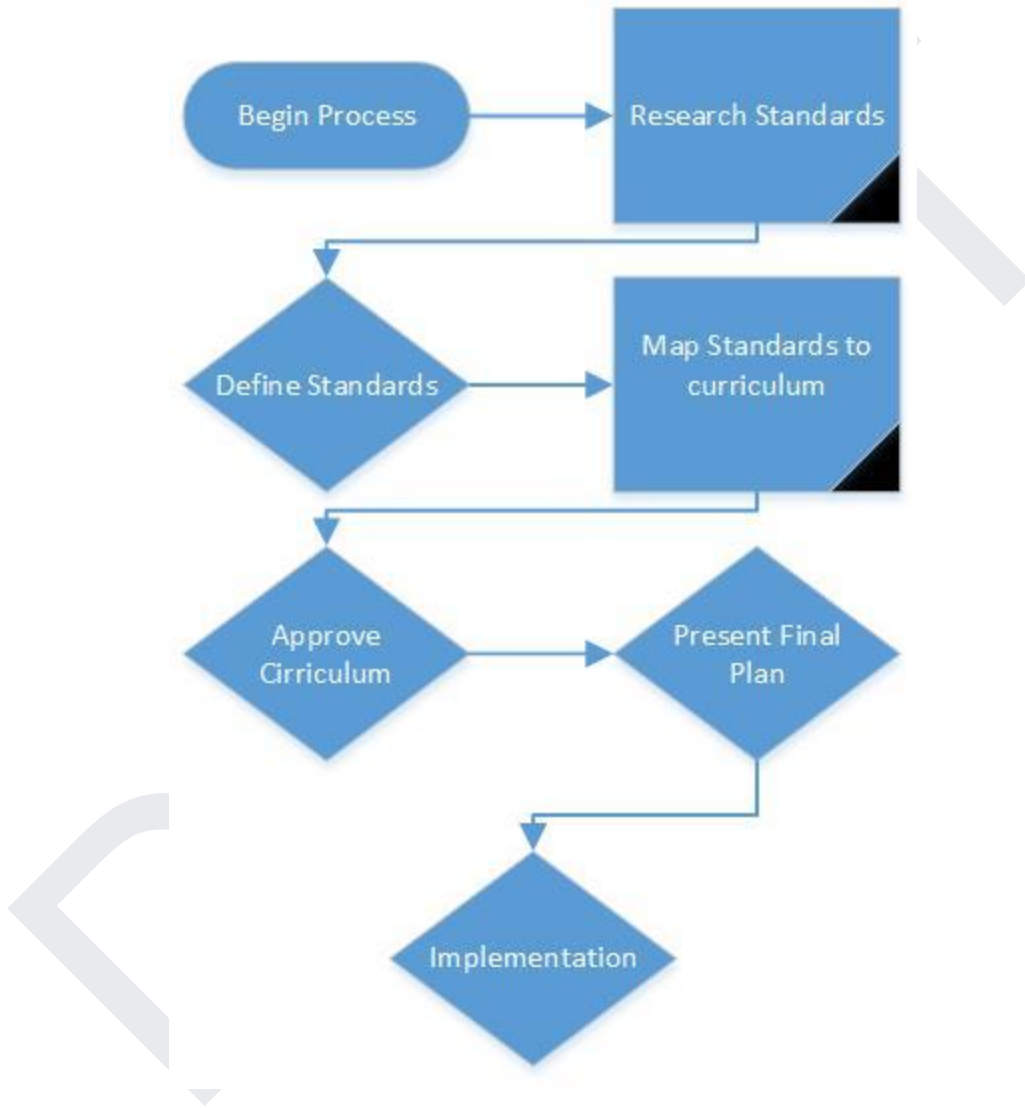
## Goal 1

By September 2023, the Beaver River CSD Technology committee will implement a common Digital Citizenship and Technological Proficiency framework throughout the district. This framework will comprehensively address the ISTE/NYS Computer Science and Digital Fluency Learning Standards for digital citizenship and technological proficiency. The committee will curate age appropriate turnkey tools and curriculum standards appropriate to each grade level.

### Timeline

Date	Plan	Person(s) Responsible
August 2022	Begin a preliminary discussion of relevant technology and educational standards. Establish which standards we wish to prioritize and focus on.	Admin Team, IT Manager
September 2022	Begin research of technology and educational standards within areas of focus identified by administration.	Tech Committee
October 2022	Compile research into a finalized recommendation of standards	Tech Committee, Admin Team
November 2022	Begin mapping the recommended standards to curriculum at appropriate grade levels district wide.	Tech Committee
March 2023	Finalize the district wide Digital Citizenship and Technological Proficiency curriculum map.	Tech Committee, Admin Team
April 2023	Identify barriers to successful implementation	Tech Committee
May 2023	Present the completed framework to staff	Tech Committee
September 2023	Begin district wide implementation of Digital Citizenship and Technological	Admin Team, Teachers

### Implementation Plan



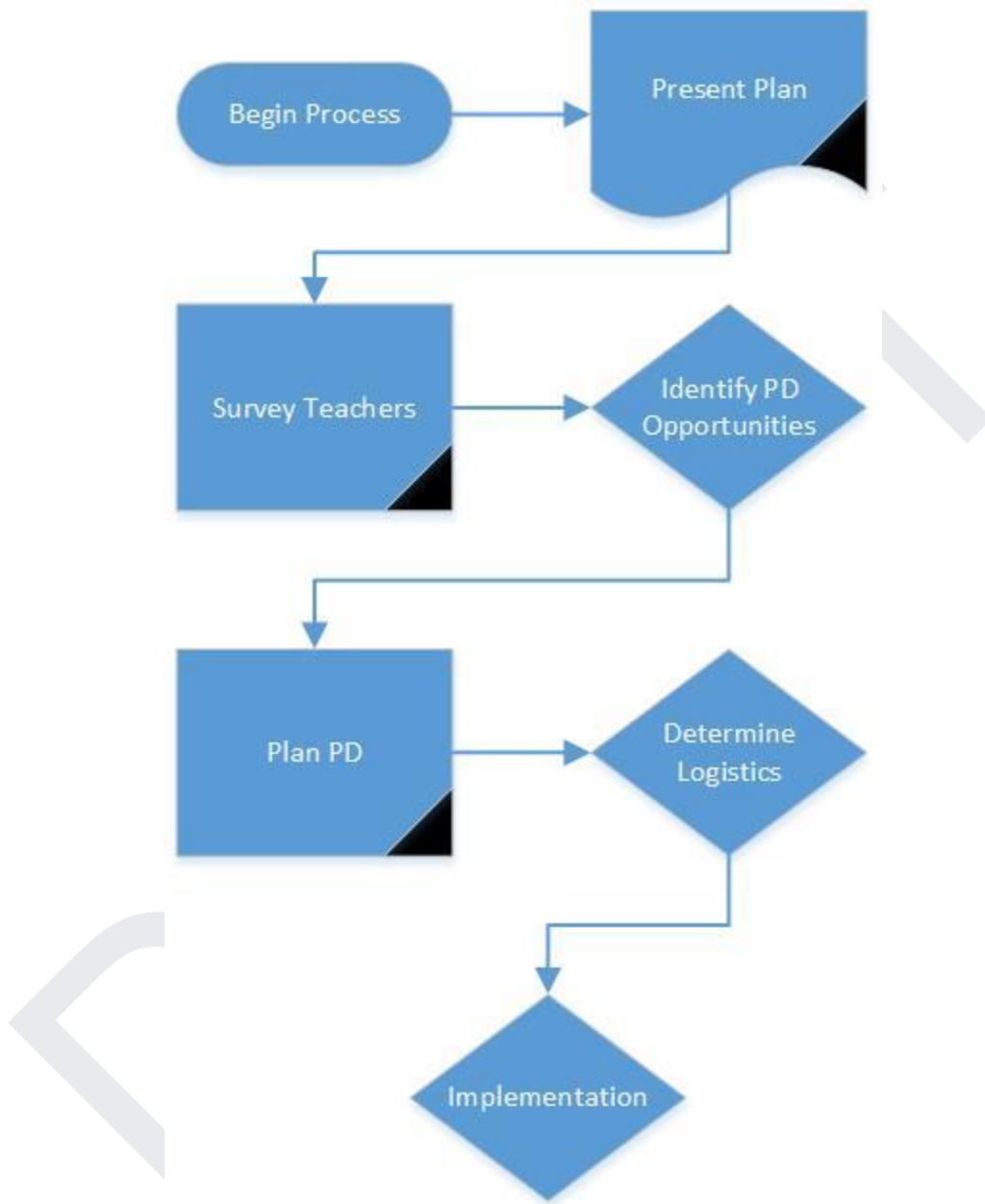
## Goal 2

By June 2024, the Beaver River CSD Technology committee will develop and implement a plan to deliver professional development opportunities for staff. The committee will collaborate with the professional development committee to create consistency and provide strategies to implement the digital literacy framework produced in Goal 1.

### Timeline

Date	Plan	Person(s) Responsible
Spring 2023	Present progress of digital literacy framework to staff and PD committee	Tech Committee
Fall 2023	Plan and deliver survey and in-person focus groups of teaching staff to help determine technology PD needs	Tech Committee, Admin Team
Fall 2023	Meet with PD committee to plan professional development opportunities to overcome barriers	Tech Committee, PD Committee
School Year 2023-24	Plan individualized PD by grade band to support the framework	Admin Team, Teach Committee
Spring/Summer 2024	Determine setting, facilitators, and timeline for PD to support literacy framework	Admin Team
Fall 2024	Implement individualized PD by grade band	

## Implementation Plan





### Goal 3

By June 2025, the Beaver River CSD Technology committee will develop and implement a plan to inform, educate, and train parents to empower to support their children’s use of instructional technology. The committee will consider how to maximize the resources the district has, what investments the district could make, and which external entities could partner with the district to achieve this goal.

#### Timeline

Date	Plan	Person(s) Responsible
Fall 2023	Communicate goal to staff, parents, and students	Admin Team/Tech Committee
Fall 2023	Plan survey and in-person focus groups of students to help determine technology support needs	Tech Committee Subgroups (Dept/Building Level)
Fall 2023	Plan surveys for parents and in-person focus groups of parents to help determine needs for helping parents as they support students	Tech Committee Subgroups (Dept/Building Level)
Spring 2024	Discuss/analyze information gathered (split by building level)	Admin Team/Tech Committee
Fall 2024	Develop list of parent training/support needs	Admin Team/Tech Committee/PD Committee
Winter 2025	Create parent training/support	MORIC Instructional, District Technology “Champions”
Winter 2025	Distribute and implement parent training/support	Admin/Tech Dept
Winter 2025	Develop system and process for regular feedback	Admin Team/Tech Committee
Spring 2025	Implement support plan and adjust as needed based on regular feedback	Admin Team/Tech Committee/PD Committee



## Monitoring and Evaluation

Each goal sets specific milestones. Beaver River CSD's Technology Leadership and Technology Committee will monitor progress toward these milestones. The committee will continue to solicit feedback from all stakeholders. This feedback will be used to measure the effectiveness of each goal both during and after implementation. The committee may choose to adjust a goal based on feedback received.

## Professional Development

Throughout the duration of this technology plan, the Beaver River CSD Technology committee will continue to work with the Professional Development committee to provide technology-based PD. This PD will focus on enhancing and transforming established curriculum and district initiatives. District initiatives include using learning targets, checking for understanding, using data with students, providing descriptive feedback, and facilitating student-led conferences. Given the perennial presence of time constraints, the committee will investigate asynchronous means of providing PD, such as online learning. By May 1 of each year, the committee will recommend topics for the next school year.

Anticipated Topics	Anticipated Audience	Method of Delivery
Viewboard Training	Teachers, TA's	In-Person
Using Data with Students	Teachers, Administrators	In-Person
G-Suite Support and Updates for All Users	Teachers, TA's	In-Person
Managing Chromebooks during Class Time	Teachers, TA's	In-Person
Go Guardian	Teachers	In-Person
Kami	Teachers, TA's	In-Person
Introduction to Digital Citizenship Concepts	Teachers	In-Person

## Equitable Access for Students with Special Needs

Beaver River Central School District will ensure that, as we move forward with the goals stated above, all students have equitable access to its technology assets and initiatives. The technology department will work with the CSE to accommodate the needs of each student identified by the CSE; within the scope of Beaver River's technological initiatives and assets. Additionally, assistive technology needs will be accommodated when such needs are identified by the CSE or by an assistive technology assessment.

The tools that may be implemented are included with our one-one initiatives such as chrome books, iPads, and other web based tools (Google Apps, etc.) which are appropriate to specific needs to individual students. These tools will be used not only for individual instruction tailored to the student needs (Google speech to text, audio books, etc.), but also to meet the IEP specifications related to assessment and instruction. Additional technology tools such as auditory enhancement systems (RedCat) to meet IEP needs of students will continue to be updated.

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# APPENDIX

## APPENDIX A: Technology Committee Members

Committee Member	Beaver River Role
Daniel Rains	6-12 Principal
Troy Hebert	6-12 Assistant Principal
Kim Lyman-Wright	Elementary Principal
Joe Virkler	Information Technology
Ron Rockwood	Business Administrator
Tim Freed	High School Science
Michelle Ellis	Elementary Teacher – Grade 4
Jennifer Wright	Library Media/Parent
Renee Moser	Parent
Peter Basta	Art Teacher
Tracy Sitko-Farney	Elementary Teacher – Grade 2
Gretchen Anderson	K-2 Special Education
Bobbi-Sue Murphy	3-5 Special Education
Miranda Bush	6-12 Special Education
Gina White	Middle School ELA
Carolyn Widrick	6-12 Special Education
Emily O'Brien	Elementary Teacher - Grade 3

## APPENDIX B: 2022-2025 Instructional Technology Planning Process:

13 October 2020	Technology Committee	Preliminary Discussion of outcome of the 2018-2021 Tech Plan and planning of the 2022-2025 Tech Plan. Key ideas included consistency and training for staff and parents to supports students
18 November 2020	Technology Committee	Discussed tech plan requirements, gathering information from stakeholders, and identifying skills that students need
13 January 2021	Technology Committee	Discussed Technology challenges, and how to identify tech barriers faced by staff and students. Tech committee members assigned to gather information.
10 February 2021	Technology Committee	Discussed Technology challenges faced by the middle school faculty. Discussed skill sets perceived to be necessary by the middle school faculty.
17 March 2021	Technology Committee	Discussed parent needs in helping students. Also discussed student needs.
15 April 2021	Technology Committee	Discussed three possible goals of new plan: digital literacy framework, professional development to support literacy framework, and a software adoption process
14 May 2021	Technology Committee	Discussed our software inventory, social media safety, communication about Chromebooks
16 November 2021	Technology Committee	Reviewed goal related to digital citizenship. Discussed some prior parent surveys about technology. Discussed a consideration to implement a goal to provide parent tech resources
8 December 2021	Technology Committee	Discussed ideas for student and parent support with technology related to the goals:

		digital organization, information and education for parents, and the need for staff PD to create consistency
12 January 2022	Technology Committee	Reviewed next steps for staff PD goal
8 March 2022	Technology Leadership	Discussed action steps for reviewing all three goals with technology committee
9 March 2022	Technology Committee	Reviewed all goals and identified action steps for each goal. Developed appropriate action steps for each goal.
6 April 2022	Technology Committee	Presented vision and goals. Discussed and adopted vision and goals. Reviewed draft of instructional technology plan. Presented goals and action plans for feedback.
19 April 2022	Admin and Tech Leadership	Finalized Plan to submit for review

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