

Crossroads Instructional Technology Plan: Edgewood Community Elementary School

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Revised May 7, 2015

Technology Leadership Team

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Vision Statement

Edgewood Community Elementary School is committed to providing its students with a rich, captivating, and challenging education that will prepare them to engage as lifelong learners and problem solvers in an ever-changing society.

At the forefront of our changing society is the exponential growth and use of technology. We have a responsibility to prepare our students for the digital demands of the 21st Century by providing access to instructional technology tools for students and teachers.

Edgewood Community Elementary School will continue to research and implement sustainable practices for the integration of technology. Given Edgewood's building, age, and construction, we have limits that are not entirely present in a "modern" classroom. Edgewood is committed to finding solutions to problems associated with ongoing costs, as well as considerations for our aging building.

Specifically, we believe the use of instructional technology will:

- Provide teachers and students with access to meaningful data
- Expand the curriculum through digital tools
- Encourage communication between students, families, teachers, and administrators locally, nationally, and globally
- Provide access to a global network of data
- Meet individual student academic needs through streamlined differentiation and learning styles variation
- Encourage expression and creativity
- Develop critical thinking skills
- Provide interactive learning environments
- Facilitate student ownership of learning through individualized learning devices

Goals and Objectives

The goals and objectives for Edgewood Community Elementary School are largely influenced by the ISTE National Educational Technology Standards and Performance Indicators for Students. For each goal, an example will be given to illustrate how instructional technology will be used to achieve the intended outcomes.

1. Students will use personal learning devices to communicate and collaborate. This will include using tools such as Google Docs and Edmodo, and creating presentations and projects using a variety of media.
 - a) interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
 - b) communicate information and ideas using a variety of media and formats
 - c) contribute to project teams

2. Students will apply digital tools to gather information. This will include using tools for formal research projects, as well as general access to topical nonfiction resources.
 - a) locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media
 - b) process data and report results

3. Students will utilize digital tools to engage with and expand their access to the curriculum. This will include using resources from the publishers of school-wide curriculum (i.e. Journeys upgrade to CCSS alignment), and supplementary resources as well (i.e. IXL).
 - a) engage with tools chosen for individualized needs
 - b) utilize resources at home and at school

4. Students will use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
 - a) Identify and define authentic problems and significant questions for investigation
 - b) Plan and manage activities to develop a solution or complete a project
 - c) Collect and analyze data to identify solutions and/or make informed decisions
 - d) Use multiple processes and diverse perspectives to explore alternative solutions

5. Students will understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

- a) Advocate and practice safe, legal, and responsible use of information and technology
- b) Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity
- c) Demonstrate personal responsibility for lifelong learning
- d) Exhibit leadership for digital citizenship

6. Students will demonstrate a sound understanding of technology concepts, systems, and operations. This will include using a variety of platforms (i.e. iOS and Mac OS), and tools (iPads, computers, document cameras, projectors/televisions, etc.) An example of this will be utilizing the iPads to generate a Keynote slideshow, Macbook Airs to edit an iMovie project, sharing the project via a projection system and through online resources.

- a) use applications effectively and productively
- b) understand a variety of systems (i.e. IOS vs. Mac OS)
- c) troubleshoot systems and applications
- d) transfer current knowledge to new technologies and applications

Technology Resources—Hope to Acquire, Funding, and Timeline

Below is a table of the resources Edgewood Community Elementary School hopes to acquire. The current non-MacBook Air COWs would be utilized in the K/1/2 classrooms. The new MacBook Air COWs are intended to provide older students with current technology that can meet the rigors of media-rich presentations and projects. In addition, the current iPad 2 models would also be utilized in the k/1/2 classrooms while new iPads will be provided to students in the 3/4/5 classrooms. The iPad 1s would be phased out.

Resources	Quantities	Funding Source	Timeline
MacBook Air COW	36	Crossroads Grant	Spring 2016
MacBook Air COW	36	Crossroads Grant	Spring 2016
MacBook Air COW	36	Crossroads Grant	Fall 2015
MacBook Air COW	36	Crossroads Grant 3B	May 2015
Teacher MacBook Pro	5	School Budget	Fall 2015
MacBook Air COW	36	Crossroads Grant 3A	April 2015
MacBook Air COW	36	Crossroads Grant 2B	March/April 2015
iPad Air—K/1	36	Crossroads Grant	Fall 2015
iPad Air—2/3	36	Crossroads Grant	Fall 2015
iPad Air—4/5	36	Crossroads Grant	Fall 2015
Teacher iPad Air	13	School Budget	Spring 2015
iOS Applications for VPP Purchases	N/A	School Budget	Spring/Fall 2015