

Duluth Edison Charter Schools 2019-2022 Technology Plan



Student Achievement

Provide students the technology tools, instruction and support for 21st Century Learning.

Classroom Instruction

Provide teaching staff with the most current tools, strategies and support to better meet the needs of all students.

Community

Provide technology that encourages and supports family & community learning and collaboration.

Tech Infrastructure

Build 21st Century technologies that support students, teachers and staff in their roles.

Goals

1. Adopt technologies and strategies that enhance 21st Century Skills
2. Enhance student collaboration & communication.
3. Provide relevant and enhanced digital tools to support 21st Century Learning.
4. Create a culture of respect and ownership of DECS Technology.

1. Provide ongoing group and individual professional development throughout the year.
2. Provide a curriculum review process that integrates technologies into existing curriculum.
3. Provide an environment that encourages teacher collaboration, innovation and peer support.
4. Provide a clear set of standards for each grade level and multiple methods for developing the skills.

1. Enhance communication between the district, students, teachers & families
2. Provide multiple community involvement opportunities both during and after school.
3. Continue the pursuit of technology that engages all parties in varied environments.
4. Pursue initiatives that address inequalities in technology and connectivity.

1. Provide computer hardware & software on a sustainable replacement cycle that meets student, teacher & staff needs.
2. Deliver support services with a focus on customer service
3. Build & maintain networks and services that are reliable, robust, secure and easy to use.
4. Manage account and data systems that are efficient and reliable.

Strategies

- * Advance 1:1 device ratio in EL
- * STEM & STEAM Initiatives
- * Advanced multimedia labs
- * Redesigned learning lab spaces
- * Technology Standards Curriculum
- * PBIS & Digital Citizenship
- * LEGO STEM Curriculum
- * LEGO Robotics Teams
- * Student Technology Internships
- * Student Technology Support Groups
- * Pursue blended learning opportunities
- * Pursue individual and project-based learning opportunities.

- * Revamped PD delivery via co-teaching and redesigned lab spaces
- * Year-Long technology standards instruction & internet safety training
- * Classroom Technology Grants
- * Periodic CC & Tech Team Meetings to review technology integration to curriculum.
- * Revamped Tech Trailblazers / Peer Support groups
- * Work with individual teachers to develop personal technology goals.

- * Enhanced website
- * Teacher websites / pages integrated into district website.
- * Online curriculum development through LMS's (Schoology, Seesaw).
- * Provide after-school technology instruction for adults.
- * Provide during-school volunteer opportunities – particularly STEM.
- * Enhanced use of social media (Twitter, Facebook ,etc.)

- * Continued Chromebook Deployment
- * Continued Unifi / Ubiquiti wireless deployment and management
- * Enhanced iPad deployment in primary grades with focus on enterprise mgmt.
- * Integrate account creation and utilization across multiple services.
- * Integrate login process across multiple devices & OS's
- * Deployment of integrated ticket, hardware support & inventory system.
- * Expanded support (UST / TIS)