

School year 2014-15

- **Goal #1 - Fourth grade students at Rogers and Steele Elementary enrolled for 12 months will:**
 - **Demonstrate that 80% or more students will be Proficient or Advanced in writing by the end of fourth grade comparing the beginning of the year (fall of 2015 & 2016) to the end of the year (spring of 2016 & 2017). Students will prepare a writing sample to include a short constructed response, paragraph, and summary examples. These will be scored by classroom teachers (not necessarily by the student's classroom teacher) using an agreed upon writing rubric.**
 - **In reading and math, one-to-one technology in Personalized Learning classrooms will provide better opportunities for more students to reach their projected growth target than the year before. This will be measured by the MAP Test (*Measurement of Academic Progress*-given in the spring and fall to show academic growth). Baseline data will be provided by spring MAP scores. The testing window is scheduled for April-May.**
- **Goal #2 - Fourth grade students at Rogers and Steele Elementary will:**
 - **Work collaboratively between the two schools to evaluate each other's work using cloud technology and online editing tools, assessing their experience with new technologies and learning platforms by creating documentation of their experiences.**
- **Goal #3 – Fourth grade students at Rogers and Steele Elementary will use the built-in capabilities of the iPad to design and execute unique self-assessment tools like video recording and playback for self–reflection and Face Time for collaborative video conferencing between students in different schools. This will improve the Personalized Learning classroom experience and increase the authenticity and relevance. High performing students, who are generally independent and highly motivated, will benefit from the use of iPads in many of the following ways. These devices allow for student creativity and critical thinking by providing learning that otherwise is unavailable in traditional classroom environments. These devices let students manipulate virtual objects using natural hand gestures, research and demonstrate learning through iMovie and Keynote, as well as many other online presentation tools and tool based apps, and publish work online so that parents, fellow students and their peers can view and provide authentic feedback.**

To meet the goals of this grant, beginning in 2014-15 Steele's and Rogers' staff will:

- **Provide personalized learning experiences using these new iPads beginning with the target population of fourth grade students who are considered low**

performing and high performing in writing, reading, and math. Through one-to-one iPad implementation, all fourth grade students will have opportunities for more personalization and learning engagement. Continue to utilize current technologies that are in each school including electronic whiteboards, projector systems, built-in sound systems, document cameras, laptops, and library resources (most of this equipment was purchased with Grinnell funds at Steele).

- Modify delivery of instruction for personalized learning will include using these iPads with a portfolio emphasis, authentic assessments, staff development and student preparedness, and other considerations.
- **Portfolio emphasis - Students will:**
 - Create cloud-based portfolios for Art and Music with a virtual collection of yearly work that demonstrates learning. This will allow ongoing self-assessment and feedback from teachers and parents providing students greater ownership for learning and growth.
 - Write using cloud based writing tools. Individual projects in science, social studies, and math will be used as self-assessments and shared with other students, teachers and parents.
 - Timeline for students sharing portfolios is bulleted below:
 - 2014-15: Students in fourth grade will share and evaluate at least one portfolio from the other school fourth graders-at least once during the year.
 - 2015-16: Students in fourth and fifth grades will share and evaluate at least one portfolio item from the other school at least once during the year.
 - 2016-17: Create a shared drive where students can easily post work for others to see.
- **Authentic (everyday-within daily lessons) assessments** – Students will use the built-in features of the iPad with free and purchased apps to describe, defend, and demonstrate concepts learned in class. Example of these apps used for assessment can be Camera, iMovie, Puppet HD, etc.
- **Staff development and student preparedness** – Students will practice ethical and appropriate use of emerging technologies and understanding the personal responsibilities using these devices. In order to facilitate student changes in learning and modifications in classroom instruction to occur, participation in these staff development camps will be required for each teacher who receives an iPad.
 - Summer of 2014:
 - Each school will provide a boot camp by August 2014 to introduce the basics of the new iPad device, sign consent forms/contracts, explain the insurance program, set up email, set up cloud accounts for saving and retrieving documents, set up access to home Wifi, etc. Provide training on installed apps and software on teacher presentation stations in their own classroom.

- **2014-15 school year:**
 - **First Quarter - Provide a ½ day mini iPad conference in each school addressing specific classroom needs and promoting best teaching/learning practices.**
 - **Third Quarter: Provide a ½ day mini iPad conference addressing specific classroom needs and promoting best teaching/learning practices.**
- **Other considerations - Currently available e-textbooks and e-books will be uploaded for small group and whole group instructional groups. Students will utilize an online app for developing keyboarding skills. They will also utilize a graphic organizer for developing writing skills.**

All students in fourth grade (Steele will have approximately 52 and Rogers will have approximately 59) will receive:

- **A Generation 5 Air, 16 gb, Wifi-iPad.**
- **(Each School) (1) Bretford Cart 42 Charging Station**
- **A protective case and an earbud.**
- **60 keyboards (30 for each school) to be used during each testing window so that these iPads will be PARRC and CMAS Testing compliant. These can also be used for keyboarding practice.**
- **Basic apps in each iPad will include at least Pages and Keynote.**
- **Access to cloud based servers to save work**
- **Access to the District's wireless network (WiFi)**
- **One HP high volume printer (per school) with built-in Airplay/Airprint to allow direct printing from the iPad**

A Mac Pro with Apple Configurator is already in use in both Steele and Rogers to maintain, add apps, and profiles with security policies. Apple requires school districts to utilize Apple Configurator for installing and licensing apps.

Steele and Rogers will work with District 11's Division of Technology Services to self-insure the iPads for damage and loss. Prior to providing students with an iPad for use at school and at home, staff will draft agreements to be signed by both the student (assent) and the guardian (consent). The agreement should include items such as the vision, expectations, proper use, and program details. Current estimate would be \$50 per student and less if a student is on a free/reduced lunch program.

District 11's Division of Technology Services will provide internet filtering for these iPads and meet Children's Internet Protection Act requirements both at school and at home. District 11 has upgraded Steele and Roger's wireless network to easily accommodate the additional network and internet demand the iPads will require. District 11 also provides for a "Bring Your Own Device (BYOD)" capability meaning students and parents can use personal devices at school using the school network.

All classroom teachers will receive an iPad (including music, art, reading specialist, Special Education and LTE) and will participate in all training sessions for best practices for iPad implementation for student learning. Teacher iPads will include a case and apps such as Pages and Keynote. Teacher workstations will include the following software to facilitate iPad use in the classroom:

- ***Reflector*** which mirrors the iPad via Airplay
- ***Doceri*** which mirrors the workstation on iPad
- ***Snagit*** which allows teachers and students to easily create movies via a workstation. These movies can be retrieved and played on the iPad. Teachers can create or record lessons and then make them available to students to 'replay' a lesson.

School years 2015-16 and 2016-17

At this time the project goals remain the same as the first year of implementation. The Program Advisory Board will collaborate with fourth and fifth grade teachers and modify the goals as necessary each school year. The learning portfolios that the fourth graders developed will continue in fifth grade. This will allow students and teachers an opportunity to evaluate learning over a two year period. The new fourth graders will have the benefit of the mentorship of the fifth graders to develop and maintain the learning portfolios.

- **In 2015-16, fourth grade iPads that were purchased 2014-15 will roll to fifth grade students. New incoming fourth grade students (approximately 110) will receive new iPads.**
- **In 2016-17, iPads used in fifth grade for 2015-16 will roll back to incoming fourth grade students. Rogers and Steele will utilize fifth grade students as mentors using a 'Trainer of Trainers' model.**

Teacher assessment and evaluation will be addressed through our current District 11 evaluation process that uses the Colorado Department of Education's teacher and principal evaluations. These evaluations meet the new evaluation requirements of Senate Bill 10-191 which include opportunities for reflection, review, professional development, and growth. This evaluation includes the Quality Standard that measures student learning over time, which will be evaluated by District 11's Educational Data and Support Services department.

Other schools in District 11 and outside of District 11 will be invited to visit both Steele and Rogers to see instructional change utilizing the iPads. Other schools will also be invited to participate in staff development opportunities.

Parent and community members will be invited to utilize iPads and other technologies in both Steele and Rogers during Community Nights. Parents and community will be invited for training on how to use iPads along with numerous apps to use with their children. They will also be invited to utilize other computers and laptops to meet other community needs including internet-based websites for job hunting and how to fill out online job applications.