

Brunswick Education Foundation Grant Proposal

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Current Educational Environment

The Brunswick City School district is made up of 7 elementary buildings (K-5), 3 middle schools (6-8) and 1 high school (9-12). The district also has a pre-K program in one of the elementary buildings. The total population of students is about 7200 and there are about 45,000 people living in the school district that is made up of Brunswick City and Brunswick Hills TWP.

The district is a 1:1 ratio of technology and provides each student from 3-12 with a Chromebook that they use from year to year. Kindergarten through second grade also has Chromebooks however they are left on a charging cart at school. Each of the classrooms is fitted with a SmartBoard and all staff members have a laptop. The staff members have a choice between Apple MacBook Air and a HP computer. The district uses Google calendar, sites, docs and apps. The district also uses Google drive for storing all files and folders. Teachers utilize Gmail for all their work emails. The district provides all the needed software and there is a team of people in the technology department that help all staff members with any technical issues.

The district provides professional development each year and every teacher has to attend 6 hours of continuing education. Many of the classes offered each year focus on new technology and some involve mastering the existing technology being used in the district. Many of the classes offered to the staff include integrating Google applications into student learning. Most of these classes are taught by district teachers and staff to ensure that the classes are specific to the needs of Brunswick teachers and students. This ensures that teachers have the skills they need to prepare their students for collage and the work force.

Limitations:

Even though Brunswick City Schools is very proactive when it comes to incorporating new technology it does not always consider the specific needs of all students and subjects. The Chromebook the district selected is a great tool for the students to use on many levels however they are not ideal for the art room setting. The Chromebook screens are not touch screens and limit the creative experience of students. The iPad Pro offers a tactile experience that can bridge technology and traditional art making using the Apple Pencil. The Apple Pencil allows students to interact with the touch screen like never before and opens up a whole new creative world that a traditional laptop cannot.

The Need:

The iPad is at the forefront of becoming the most innovative and dynamic tool in art education. It can enable students to create and share digital content and media focusing on art and cross-curricular learning. Students can explore drawing and painting, digital photography, critique, digital storytelling, animation, graphic design, website building, movie making, songwriting, and more through the various apps that are offered in the iTunes store. Many of these apps allow for students to transfer traditional skills and knowledge, while learning new digital concepts at the same time. They can also learn the basics of how to save, upload and email the work they create.

It is important for students to learn how to create digitally using 21st century technology in order to succeed in the future. App developers and iPad users continue to prove that the iPad is a powerful and versatile art-making device. Learning how to create and share digitally will provide students the essential skills they can build upon as artists, which they can also use to design presentations throughout their education and in future careers. Teaching these concepts in

the art room opens the door for students to create digitally. This helps to develop a foundation, which could encourage independent exploration.

Goals of the Proposal:

The goal of this proposal is to seek funding from Brunswick Education Foundation to help purchase one iPad with the Apple Pencil for use in the art room at Walter Kidder Elementary School. There are approximately 450 students at Kidder that would benefit from having an iPad in the art room. The integration of an iPad would help students explore the elements and principals of art in ways they cannot do with traditional mediums. The students will be able to learn about layers with transparency, resizing and rotating objects for improving composition and using self-evaluation by easily undoing mistakes.

Technology Proposal:

The technology purchase would include one iPad Wi-Fi 128GB color Space Gray and an Apple Pencil. The iPad with the Apple Pencil is one of the most dynamic technological tools for use in art education. Students will use the iPad to share digital content and it will allow students to focus on art and cross-curricular learning. The technology built into the iPad will allow students to explore the following: drawing and painting, digital photography, critique, digital storytelling, animation, graphic design, website building, movie-making, songwriting, and more. All these are available through various apps that are offered in the iTunes store. Most of these are free and require very little training. These apps allow for the students to transfer traditional skills and knowledge while learning new digital concepts at the same time. The students will also learn the basics of how to save, upload and email their work.

Budget:

The budget for this project is as follows: This is a one time purchase.

<u>Item</u>	<u>Amount</u>	<u>Single Cost</u>	<u>Total Cost</u>
Apple iPad Wifi 128 GB (Space Gray)	1	\$429.00	\$429.00
Apple Pencil	1	\$99.00	\$99.00
Total			\$528.00

There is no cost for training. There are free tutorials for all the apps to be used on the iPad and for the Apple Pencil. YouTube also has great training aids. These will be used for the teacher and the students.

Timeline:

The timeline for this grant would adhere to the guidelines of the Brunswick Education Foundation. The iPad and Apple pencil would be purchased in August of 2019.

Teacher Qualifications:

My background is in fine arts and graphic design. I have been teaching specifically elementary art for 10 years. I have developed the knowledge and skills to educate children about the elements, principals, concepts, skills and creative problem solving that comes with art education. I am also just about finished with my Masters program (Instructional Technology) from the University of Akron. This masters program is improving my understanding of technology integration in education through the use of the TPACK model. TPACK stands for technology, pedagogy, and content knowledge.

Evaluation & Assessment:

The goal of the grant is to purchase one iPad. Due to this the plan is to use this one iPad as a trial run for the use of this technology with the students. Selected students will have an opportunity to use the iPad and Apple Pencil with specific lessons. These selected students will be given pre-assessments prior to using the iPad. The pre-assessment will gather data on the student's knowledge and understanding of the app as well as the lessons concepts and skills. After the lesson is completed a post assessment will be given to collect data on student learning. This process will be repeated for all the lessons the iPad is used for. This data will be analyzed and compared with student learning from the students that did not use the iPad. The goal is to gather enough data to provide proof that the iPad affects student learning.

Continuation & Extension:

After the 2019-2020 school year the data and information gathered from using the iPad and Apple Pencil will be evaluated. The goal will be to use this information to write another grant to purchase a class set of ipads.

