

iPad Minis For Education

Classroom Grant

Boulder Elementary School

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Application Form

Report Fields

Project Name*

Name of project

iPad Minis For Education

Amount Requested

Amount requested on application.

\$990.00

Grade Level

Please select grade level below.

Intermediate (4-6)

Primary Subject Area

Please select the primary subject area of your grant.

Mathematics

School

Please select your school from the list below

Boulder Elementary

Number of Students Served

Please enter the number of students that will be served by this grant.

60

Project Cost

What is the total cost of your project?

990

Statement of Need

Please describe the need for this project. For example, how will this project impact student learning?

Creating an engaging and productive learning environment for the students is a goal for every teacher. There are many factors that a teacher must address each day in order to accomplish this goal. Some of the factors include maintaining a student's attention, keeping a student actively engaged, having instant access to

numerous research resources, allowing practice for struggling learners, and creating a safe space for shy and unsure students.

Having the ability to address all of these factors collectively would alleviate a lot of stress on a teacher and allow the students to have a higher level of success. That is why I am writing this grant for the purchase of 3 Apple iPad Minis. These mobile devices allow students to achieve all of the previously mentioned factors. The existence of countless educational iPad Mini apps makes this a very realistic goal. Whether it is a student that is struggling, or one that is excelling, the iPad Mini can help to meet their educational needs.

Primary Goal

Please describe the primary goal of the project and how it blends with School District 2 goals and curriculum.

The primary goal of this project is to create an engaging and productive learning environment for each student. The iPad Mini has many educational benefits that will reach many of the students individually. Through the use of educational apps students will be able to use them for reinforcement and support in content areas as well as addressing the following Montana Standards for Technology set forth by the Montana Office of Public Instruction.

1. The student will use digital tools and resources for problem solving and decision making.
2. The student will collaborate and communicate globally in a digital environment.
3. The student will apply digital tools and skills with creativity and innovation to express his/herself, construct knowledge and develop products and processes.
4. The student will possess a functional understanding of technology concepts and operations.

Helping the students to achieve these standards is important in helping them to become a growing and adaptive learner.

Project Description

Briefly identify the major activities and materials involved in your project.

In addition to addressing the Montana Technology Standards, the iPad Mini will instantly be integrated into every other subject. There are countless educational apps available in every subject area that would help to enhance the current fourth grade curriculum. An iPad Mini is capable of addressing nearly all of the content standards for Montana, but I will focus on a few of them to show how easily and quickly educational apps can be connected to student learning.

ThingLink: This is a free app that can be used as a presentation tool, study station, or individual tutor for students. The app allows you to take a photo of anything, and add "hot spots" to the photo that contain text, videos, or links to other resources. One way this could be implemented is by taking a photo of a multiplication problem. The teacher could then add "hot spots" at each of the steps which would then play a brief video explaining that step again or other strategies that could be used to solve the problem. A student could use this as a study tool and work at their own pace. This app would be able to address several content standards across multiple content areas. One example would be Montana Common Core Standards For Mathematical Practice, 4.MP.5, which states that students must use appropriate tools strategically.

Science 360 For iPad: This is a free app that would allow student access to a valuable scientific resource. Created and maintained by the National Science Foundation, this app would provide students with scientific images, videos, current news articles in science, and content that would greatly improve their understanding of a topic. It could easily be used as support for a struggling learner, or as an extension for a higher level learner. Having the ability to watch an experiment that shows how matter changing states would be one way the iPad Mini could be used to address the Montana Standards for Science Content Standard 2 which states that students, through the inquiry process, demonstrate knowledge of properties, forms,

changes and interactions of physical and chemical systems.

Geography Drive USA: The cost of this app is \$1.99 and it is an app students will enjoy using. The app challenges students to drive their virtual cars to each state in the United States. The students move from state to state by correctly answering questions about each state that they visit. Students earn money for each correct answer. That money is then used to buy fuel for their cars and customize their cars. Students can also win trophies for accomplishments throughout the game. The game has more than 750 questions about state and national geography. This would specifically address the Montana Standards for Social Studies Content Standard 3 which states that students apply geographic knowledge and skills (e.g., location, place, human/environment interactions, movement, and regions).

MathBoard: This app can be purchased for a reasonable price of \$4.99 and can be customized to create specific arithmetic equations, quizzes, and much more. This would specifically address Montana Common Core Standards For Numbers In Base Ten, 4.NBT.4, 4.NBT.5, and 4.NBT.6 which state that students will use place value understanding and properties of operations to perform multi-digit arithmetic.

These are just four examples of how I would plan to use the iPad Minis in my classroom. The fact remains that there are countless other educational apps and possibilities for incorporating them into the classroom. I know that the students would benefit from them and would have a more engaging and productive learning environment as a result of the iPad Minis.

Professional Development

If your project includes professional development how will it improve student performance?

I have a lot of personal and professional experience using iPads. I know that many online tutorials are available for newly created apps and I feel comfortable viewing those if assistance is ever needed. The computer technician for my school has also offered his assistance if a situation ever requires his help.

Project Timeline

When will you implement your project?

The project would be implemented into each subject area as soon as I receive the iPad Minis. Due to their ability to download educational apps via our school's wifi, it would take only moments before they were ready for students to use.

Plan for Evaluation

How will you evaluate student outcomes for your project?

The evaluation process involving the iPad Minis is continually evolving. Some of the educational apps have grading programs built into them that will allow for instant and accurate assessment of a student's ability in a given content area. The iPad Mini will also allow for students to create and digitally share their projects. When students present their work I will be capable of both formally and informally assessing their understanding in various content areas. My classroom is already equipped with a MacBook Pro, Elmo, and digital projector, which will allow for a seamless integration of the iPad Mini into our classroom.

Project Budget

Please explain how the funds from this grant will be spent to support your project goal. You can either type or upload a project budget to show how funds will be used. Please identify other funding sources if applicable.

The overall cost of the project will require \$990 This money will be used to purchase three iPad Minis at a cost of \$300 each and three iPad Mini cases at a cost of \$30 each.

Supervisor Approval*

I have received approval from my supervisor to apply for this grant.

yes

Attachment 1

Please attach any photos, pages from catalogs, or other documents below. This is completely optional.

Grant 2014 Screenshots.docx

Attachment 2

Grant iPad Mini Case.docx

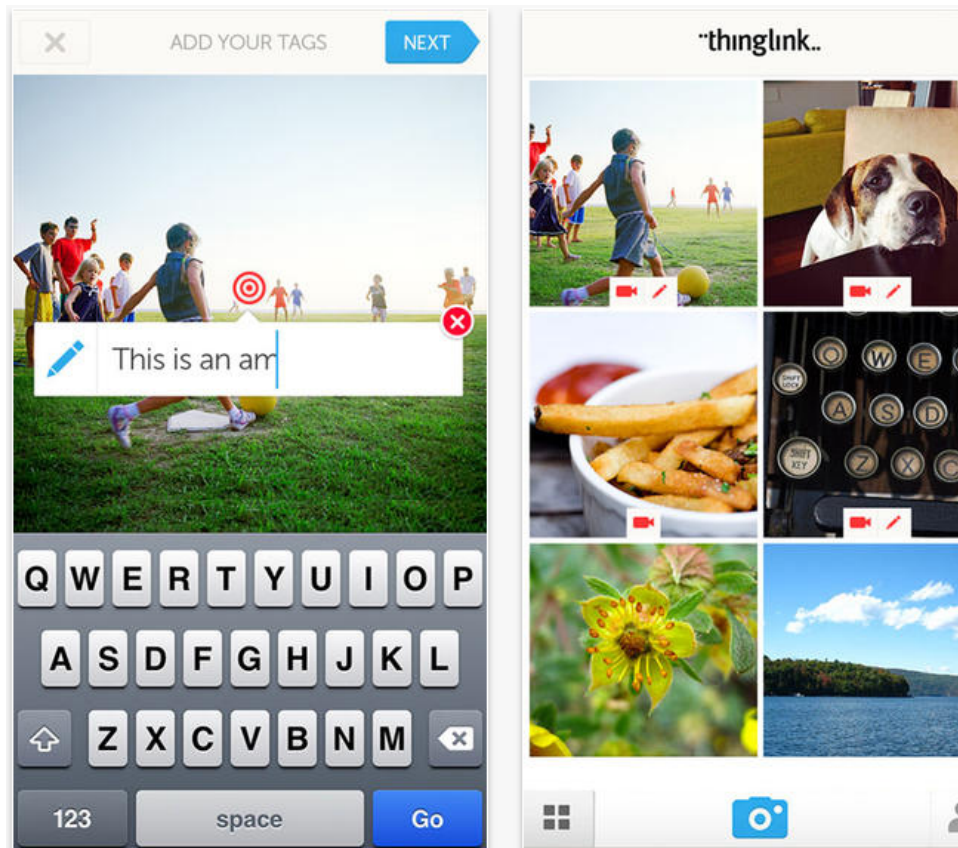
Attachment 3

File Attachment Summary

Applicant File Uploads

- Grant 2014 Screenshots.docx
- Grant iPad Mini Case.docx

ThingLink Educational App Screenshot



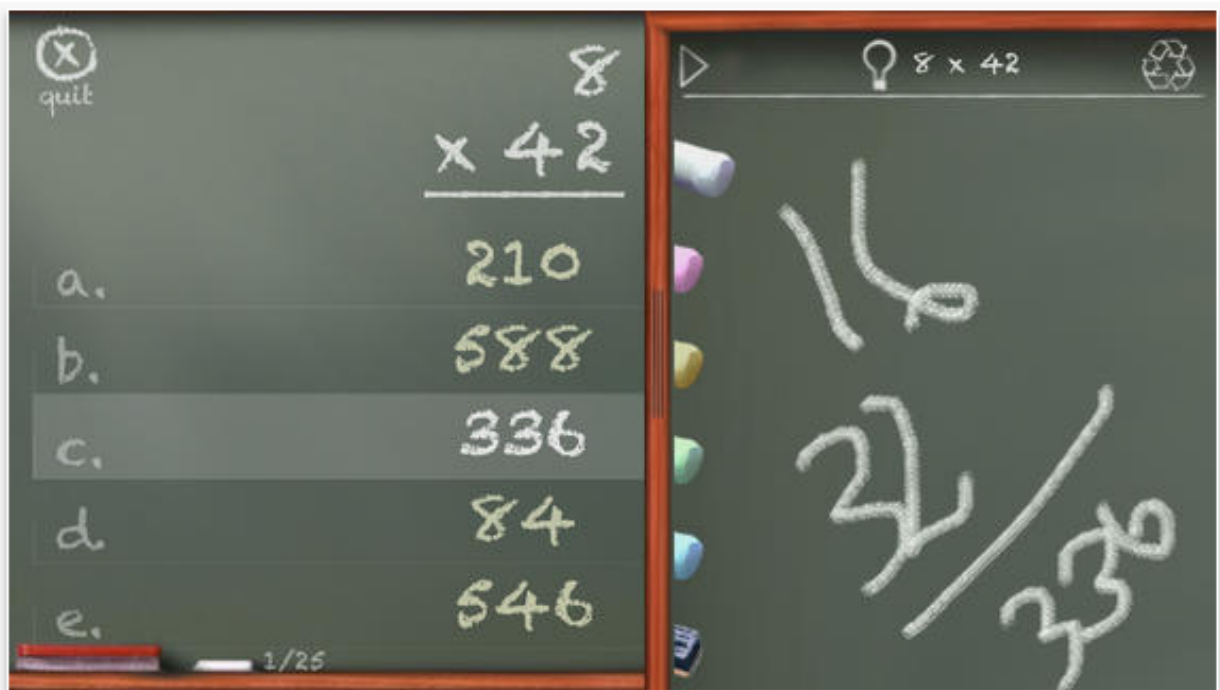
Science 360 Educational App Screenshot



Geography Drive USA Educational App Screenshot



Mathboard Educational App Screenshot



iPad Mini Case

- Rigid internal frame protects against shocks and drops (Test: drop on flat concrete surface from 6'/1.8 m).
- Unique shape designed Spider innovative concept to make your ipad more personalized fashion and stand out.
- Integral Display shield deflects wind and rain (Test: up to 200 mm/hr for 1 hour).
- Silicone cladding blocks vibration (18 hrs at 20 to 2000 Hz).
- Includes multi-position Kickstand and a Sticker, which can stick on any smooth surface.

