iPads In The Classroom

Classroom Grant

Billings Senior High School

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Application Form

Report Fields

Project Name*

Name of project iPads In The Classroom

Amount Requested

Amount requested on application. \$1,000.00

Grade Level

Please select grade level below. High School (9-12)

Primary Subject Area

Please select the primary subject area of your grant.

Science

School

Please select your school from the list below Senior High School

Number of Students Served

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

100

Project Cost

What is the total cost of your project? 992.97

Statement of Need

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

Today's high school student is much different than the high school student of the past. Most students these days are kinesthetic learners and learn more efficiently when actively participating in the learning process. Also, students in high school today are continually bombarded with technology, every second of the day. Utilizing technology, such as iPads, in the classroom is a very effective way to meet both of these needs

for today's student. The iPads can allow each individual student to be active, motivated, and engaged in the process of learning. Currently, I only have two iPads in my classroom. They are excellent tools, but there are limitations to the number of students that can use the iPads at one time. By increasing the number of iPads in the classroom, more students can utilize this technology. It also provides great opportunities for students to work collaboratively in groups settings. The portability of the iPads is also very powerful in the science classroom. We can use the iPads and various Apps to collect data in the field. For example, when we build rockets in the spring, students can utilize the camera function to gather precise time data with video playback. Attending to precision in the scientific method is very important for the validity of research and the experimental process.

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 the project is to utilize technology to increase students' participation, motivation, and engagement in everyday classroom activities. Technology is relevant to every single student, at every second of the day. Whether it is a smart phone, a tablet, or a laptop, students are motivated by technology. This motivation alone can produce more active participation and engagement in simple tasks such as taking notes and completing practice problems. This primary goal aligns very well with most of Montana's State Science Standards. For example, students can use the iPads to understand how information is gathered, evaluated, and communicated with hands-on learning. Also, students can utilize a multitude of apps. and videos to reinforce their knowledge of properties and interactions of physical systems. Our students are growing up in a society where they simply read books and complete worksheets. They need to have the opportunity to explore and experience science.

Project Description

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

This activity involves several different uses of iPads in the classroom. Some of the major activities and uses for the iPads are listed below.

- 1. Interactive whiteboard
 - a. The students can use the iPads with Apple TV to display their solutions and thoughts on the board. This process can also show numerous methods of solving the same problem.
- 2. Classroom response
 - a. Several apps on the iPad such as Socrative and Kahoot allow students to vote and produce quick responses. This is an extremely powerful method of formative assessment for teachers to check students understanding.
- 3. Flipped lessons
 - a. Students can utilize technology to learn from videos and tutorials at their own pace. Students have the ability to rewind and watch the lessons multiple times if they didn't grasp the concept the first time. Rigor can be adapted at the individual level using tools like Kahn Academy videos and other digital media. As a result, students can also take ownership in their own learning. Eventually, students can master concepts by creating their own instructional videos and lessons.
- 4. Science and Math
 - a. The iPads can be used to organize data, graphs, and pictures in an experimental setting.
- 5. Turning In Work and Assignments
 - a. Students can work on the iPads and save the information virtually.

Both students and teachers can then access that work at any time.

Professional Development

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

Professional development is not necessary.

Project Timeline

When will you implement your project?

The beauty of using iPads is that implementation can start immediately in the everyday classroom setting. Most of the activities listed above can be utilized in any lesson at any time to enhance the learning. The learning curve for this technology is very minimal because most students have had exposure to the iPads.

Plan for Evaluation

How will you evaluate student outcomes for your project?

Evaluation is simply in the product. Students can produce practice problems, notes, homework assignments, and many other forms of formative assessments on the iPads. Experimentally, I would like to analyze student work by using the same assessments I have used in past years, but now with technology. Will the use of technology motivate and engage students enough to produce better results than without the technology? Will the technology motivate and engage me, as a teacher, to produce better results as well?

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.

Funds from this grant would help me purchase 3 iPads to be utilized in my classroom. I also plan to purchase cases for the iPads to protect them from the wear and tear of the high school classroom.

3 Apple iPad Mini (16 GB) = \$299.00 each 3 Aduro Facio Cases with Keyboards = \$31.99 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.

Attachment 2

Attachment 3

File Attachment Summary

Applicant File Uploads