

Innovating the Classroom with Sentios

Collaborative Classroom Grant Application

Billings Senior High School

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Application Form

Report Fields

Project Name*

Name of Project

Innovating the Classroom with Sentios

Amount Requested

Amount Requested

\$1,529.00

Grade Level

Program Area of Request

High School (9-12)

Primary Subject Area

Please choose the primary subject area.

Mathematics

School

Please select your school.

Senior High School

Applicants*

Please list the educators collaborating on this grant.

Victoria Criswell

Number of Students Served

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

300

Project Cost

What is the total cost of your project?

1529.00

Statement of Need

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

With the implementation of the common core, our assessments have changed. Many are common assessments that consist of a multiple choice section, a short answer section, and a free response, longer answer, section. In order for our teachers to spend the time commenting and giving worthwhile feedback on the more creative free response section of the exams it would be nice to be able to grade the multiple choice and short answer portions using the Sentios. A teacher could also give a quick quiz or question to see if students understand a concept before moving on.

This ultimately would impact student engagement and achievement in the mathematics classrooms. Providing more means of technology for use for the students of Senior High gives them more opportunity to adapt in a society with a growing use of technology. It will support the school district's goal of graduation matters by captivating those learners who otherwise may not be making connections or be so engaged. The opportunities are endless for the students to learn in a more tech-savvy, collaborative environment.

Primary Goal

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

The main goal of this project would be to integrate more technology in the classroom and let students have the opportunity to engage with it. This ties directly in with the district's goal to integrate technology into the curriculum. The Sentios are very versatile and are clickers compatible with the SMART Board. They can be used to check understanding of a concept, quiz over material and collect data for surveys. Students could even input their answers in the short answer form for correcting homework. Warm up work at the beginning of the period could be inputted while the teacher takes role. The new Sentios allow not only multiple choice questions but also short answers, and teachers could use them to check understanding throughout any period. Since the Sentio displays class data but not individual data, the teacher will know who needs additional help but the students will not know who gave which answer.

Project Description

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

With Advanced Placement Statistics, the Sentios would make the survey portion of the course much more relevant. It is easy to collect data but difficult and time consuming to tally. The Sentios would tally the results quickly and the students could progress on to analyzing the results as well as the quality of the questions. Previously in Statistics we have not been able to do this properly because the time needed to compile the results was not reasonable.

In other classes (Algebra, Geometry, Algebra 2), Sentios could be used for quick formative assessment for the students and teacher. A free-response question/example could be posed in class (either anonymously or assigned to specific students) to check understanding. As teachers, we could then modify our teaching accordingly for the class or for individuals in a much more efficient way using the Sentios.

We envision using clickers on a regular (if not daily) basis. Students would be assigned a Sentio number that would be theirs for the period. Upon arrival into class, they would grab their clicker, login to the class as themselves and be responsible for it until the end of the period. With the implementation of the Sentios, We believe students will be held more accountable for their learning in class and will be more engaged.

Professional Development

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

With the introduction of the Professional Learning Communities at the high school level the math teachers at Senior have been exposed to the Sentio technology. In our learning communities teachers would

share lessons that involve the Sentios as well as ideas on how to incorporate them into the classroom. The use of this technology has the potential to eliminate some of the review and reteaching that is done unnecessarily in the classroom by providing a confidential tally of what each student does and doesn't understand.

Project Timeline

When will you implement your project?

Both Lisa Wood and Victoria Criswell would begin use of the Sentios upon receipt. They would positively change our classrooms for the indefinite future.

Plan for Evaluation

How will you evaluate student outcomes for your project?

We plan to incorporate the use of Sentios in my classroom on a weekly basis. The anticipation would be, even within the first use of the Sentios, to see more engagement of learners with active participation in the lesson. Within a few weeks time, the full impact could be gauged in relation to student learning throughout lessons, quizzes, gathering of data (formative assessment), and summative assessment. The achievement of students using the clickers could be measured by comparing grades/scores to last semester and also last year's students.

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.

A set of 32 Sentios (Smart Response XE) are \$1529. We can order from either TEST or A/V Center. Our technology people will order the set for us.

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