

Preparing Students to be College and Career Ready - Year Two

*Dewey J. Hansen & Helen Cothron Hansen
Memorial Fund*

Skyview HS

Tony Riehl

1775 High Sierra Blvd
Billings, 59105

rieht@billingschools.org

Application Form

Project Name*

Name of Project

Preparing Students to be College and Career Ready - Year Two

Amount Requested

Amount Requested

\$15,926.00

Grade Level

Please select grade level below.

9th-12th Grade

Primary Subject Area

Please select the primary subject area of your grant.

Mathematics

School

Please select your school from the list below.

Billings Skyview High School

Number of Students Served

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

1500

Project Cost

What is the total cost of your project?

\$15,926.00

Statement of Need

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

The goal of the math department at Skyview for 2015-2016 is to expose our students to many different career paths that create an interest for them and to make mentor connections. A secondary goal is to fill gaps in student knowledge to help them become successful for their goals. These Skyview Math Department goals can only be done effectively and efficiently with the proper tools and teacher professional development.

Our current need is to fund the extra techniques and opportunities that will make our students college and career ready. We also need to fund the activities that will get our students thinking about their career goals.

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 get our students thinking about their future contributions to society and to specifically provide information to students about careers, connections between the future and the curriculum content and finally, opportunities to make mentor connections within our community.

Project Description

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

The project has three main components:

1) Provide information and real connections to local professionals that use math in their current jobs. We will continue a Career Day at Skyview for our students. We will bring local professionals into our building to speak to our students. This will be done as a Career Day at Skyview. We will invite approximately 50 speakers to come speak to our students during their math and science classes. This will give many of our students an opportunity to listen to two groups of professionals from the Billings community.

2) Provide the students support, necessary to be college and career ready. We have a great need for math support for our struggling students to help them become college and career ready. We will purchase iPads for our student to use at school and to take home, if there is need, so that they can listen to math videos on topics that they are having difficulty with in their math course. There are a wide range of math videos and electronic math manipulatives to help student better understand mathematical concepts.

3) Provide a variety of training opportunities for the Skyview math staff including the leading information on CCSS Mathematical Practices and the technology that makes our classrooms more efficient.

Professional Development

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

One of the leaders in the National Council of Teachers of Mathematics is Margaret Smith. We are teaming up with BWHS and BSHS to bring Margaret Smith to Billings to put on a workshop for our teachers. She is the co-author of "5 Practices for Orchestrating Productive Mathematics Discussions". This is the direction that we are taking in our classrooms, and have been building on this same concept with the previous professional development. We are splitting the cost between the three BPS high schools.

The National Council of Teachers of Mathematics is concentrating on the CCSS and we would like to send two of our teachers to the national conference. They would then bring back information to share with the math department and have an impact on our students.

The organization of MTBos will have its 3rd annual Twitter Math Camp during the summer of 1016. This will be a gathering of nationally recognized teachers and supporters of math education using technology.

Project Timeline

When will you implement your project?

This will be an on-going project that will began August 2015 and continue throughout the 2015-2016 school year. The knowledge gained by staff and career information disseminated to students will continue to benefit students for many future years.

The career connection will be planned in the Fall of 2015.

Plan for Evaluation

How will you evaluate student outcomes for your project?

The evaluation process is built into the Common Core State Standards testing, which began during the 2014-2015 school year.

The career connection will be evaluated after the actual event. We will design an evaluation tool that the students, community members and teachers will respond to after the event.

Project Budget

Please identify other funding sources, if applicable. You may either type or attach a budget

This grant is supporting the current Skyview math department budget to support our students. The things that this grant is providing is a direct connection to what we are trying to accomplish in our classrooms. For additional budget information, see attachment.

Skyview HS Dewey Hansen Foundation 2015 2016.xlsx

Supervisor Approval*

I have recieved approval from mysupervisor to apply for this grant.

Yes

Attachment 1

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

[Unanswered]

Attachment 2

Attachment 3

File Attachment Summary

Applicant File Uploads

- Skyview HS Dewey Hansen Foundation 2015 2016.xlsx

Skyview Math Department Dewey Hansen Funds 2015-2016						
Date	Vendor	Items	Single	No.	Cost	Budget
STEM Career Day						
Sep-15	TBD	Contract Stipend	\$ 1,000	1	\$ 1,000	
Sep-15	Sched.org	Sched Software for STEM	\$ 100	1	\$ 100	
Nov-15	TBD	- Speaker Lunch	\$ 300	1	\$ 300	
Nov-15	TBD	- Speaker gift baskets	\$ 10	50	\$ 500	
Total					\$ 1,900	\$ 1,900
Equipment Purchases						
ASAP	Apple	Student iPads	\$497	14	\$ 6,958	
ASAP	EAI	Ti SmartView	\$134	2	\$ 268	
					\$ 7,226	\$ 7,226
Teacher Professional Development						
Aug-15	NCTM	Peg Smith Workshop (\$9000)	\$ 3,000	1	\$ 3,000	
		Billings, MT/with BWHS and BSHS				
Apr-15	NCTM	NCTM Conference	\$ 1,000	2	\$ 2,000	
		San Francisco, CA				
Jul-15	TMC	National Twitter Math Camp	\$ 900	2	\$ 1,800	
Total					\$ 6,800	\$ 6,800
					Total	\$15,926