

Math and Science Enhancements

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

Laurel High School

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Application Form

Project Name*

Name of Project

Math and Science Enhancements

Amount Requested

Amount Requested

\$36,851.94

Grade Level

Please select grade level below.

9th-12th Grade

Primary Subject Area

Please select the primary subject area of your grant.

Other

School

Please select your school from the list below.

Laurel High School

Number of Students Served

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

650

Project Cost

What is the total cost of your project?

\$38,000.00

Statement of Need

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

The receipt of this grant will allow for the incorporation of technology and updated laboratory equipment in both the science and mathematics departments at Laurel High School. The needs of both are addressed below.

We continue to offer advanced science opportunities for our students, but find that providing more laboratory experiences for them requires additional and updated materials and equipment. It is our desire to provide our students with more hands-on lab experiences on a more regular basis that incorporate the

inquiry skills and use of technology that will better prepare our students for college and make the competitive in the global work place.

The implementation of more rigorous mathematical standards require the use of technology. These new standards include content expectations with the intent to make all students ready for life in our technological society. New mathematical expectations do not treat technology as a separate entity, but obligate educators to help students become technologically proficient. The purchase of the proposed technology for the math department will give our students the tools necessary to meet both the math and technology standards and will afford them the opportunity to be ready for college-level mathematics courses and their future careers.

Primary Goal

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

These purchases reflect the technology goals, graduation requirements, and philosophies of the Laurel School District as defined by its Strategic Plan and the Laurel High School five-year school improvement plan.

Project Description

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

The science department continues updating and expanding our laboratory equipment in an effort to provide more hands-on lab experiences for our students. The purchase of cordless microscopes and cabinets necessary to charge and protect them provides the next step in attaining our goal.

The joint effort of the science and math departments to provide technology to our students in the classroom setting has continued to prove beneficial and the usage by all eleven teachers has accentuated the need for additional technologies to meet the increasing demand. We intend to purchase additional technologies to address those increasing needs. The purchase of two additional classroom sets will expand our capabilities and provide more opportunities for students. We also intend to use grant funds to ensure the maintenance and upkeep of the existing technology purchased with recent year's Dewey Hansen grant funds.

Professional Development

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

Professional development will be addressed internally through our district IT personnel and requires no funding from this grant.

Project Timeline

When will you implement your project?

Materials will be used upon receipt and throughout upcoming school years.

Plan for Evaluation

How will you evaluate student outcomes for your project?

Students are currently evaluated using state-mandated testing and the ACT Exam. It is our hope that through the incorporation of these laboratory experiences and technologies, which require our students to perform at levels dictated by standards, that we will see an increase in test scores.

Project Budget

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

The Laurel School District will provide the infrastructure necessary to allow these new technologies to access wireless internet required for them to function at their optimum levels.

Attached please find our proposed budget.

Dewey_Hansen_2015-16.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.

Attachment 2

Attachment 3

File Attachment Summary

Applicant File Uploads

- Dewey_Hansen_2015-16.xlsx

Proposed Budget

<u>QTY</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
30	Cordless Rechargeable Microscopes	\$ 254.00	\$ 7,620.00
2	Microscope Storage Cabinet with Charger	\$ 2,395.00	\$ 4,790.00
1	Freight Charges for Microscope Cabinets	\$ 575.00	\$ 575.00
70	Tablet/Chromebook	\$ 300.00	\$ 21,000.00
2	Mobile Carts for Tablets/Chromebooks	\$ 1,600.00	\$ 3,200.00
	Maintenance of technology		\$ 600.00
		TOTAL	\$ 37,785.00