

# Micro-Boost

---

## *Classroom Grant*

### ***Castle Rock Middle School***

---

Shaun Harrington  
1441 Governors Blvd  
Billings , 59105

robisons@billingsschools.org  
O: 281-5800

### ***Sherlene Robison-O'Dea***

---

1441 Governors Blvd  
Billings, 59105

robisons@billingsschools.org  
O: 281-5800

# Application Form

---

## Report Fields

---

### Project Name\*

Name of project

Micro-Boost

### Amount Requested

Amount requested on application.

\$949.77

### Grade Level

Please select grade level below.

Middle School (7-8)

### Primary Subject Area

Please select the primary subject area of your grant.

Science

### School

Please select your school from the list below

Castle Rock Middle School

### Number of Students Served

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

385

### Project Cost

What is the total cost of your project?

949.77

### Statement of Need

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

I am requesting a grant to purchase nine Brock microscopes for the Science Department at Castle Rock Middle School. The Brock microscopes are very popular with students. Currently, we have eleven microscopes available to use with classes of approximately twenty-eight students. The ratio of 1 microscope to 2.5 students makes it difficult for all students to have an adequate opportunity to view objects. The

collection of eleven microscopes is shared among three life science teachers with a combined total of 385 students. The additional microscopes would be extremely effective in providing more students the opportunity to connect with and observe the microscopic world. The added microscopes will also provide extra time for students to work on their projects.

## Primary Goal

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

The microscopes will be used to supplement and enhance the Billings Public Schools Science Curriculum and the Montana Science Content Standards.

The microscopes allow students to conduct activities including: collecting and classifying micro-invertebrates, dissecting flowers and plants, studying the anatomy of insects, and observing a variety of other organisms. For example, the microscopes will allow students to investigate the structures and functions of a honey bee and a grasshopper, focusing on how the insects features enable survival. What a student can see with a microscope looks very different from what they can see with their eyes alone. Studying a variety of organisms, both microscopic and macroscopic, will help students gain a better understanding of the natural world.

## Project Description

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

The materials involved in this grant proposal are nine new Brock microscopes. The microscopes will be purchased from Fisher Science.

The Brock microscope is a simple and versatile microscope that can be used indoors or outdoors. This microscope does not require electricity and, with only one moving part, the microscope is simple to focus. The simplicity of the Brock microscope allows students to enjoy science without the frustration of focusing and adjusting a complex microscope. While using the microscopes, students will independently and cooperatively engage in exciting science activities.

## Professional Development

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

Professional development is not necessary with this grant proposal.

## Project Timeline

When will you implement your project?

The Brock microscopes will be used at the beginning of the 2014 school year. Students will continually utilize them throughout the remaining year. Additionally, new groups of students will use the microscopes again in the upcoming years.

## Plan for Evaluation

How will you evaluate student outcomes for your project?

Assessment will be based on a combination of performance and achievement during various lab activities. Students will be responsible for journaling, recording, analyzing and reporting information they learn while using the Brock microscopes.

## 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.

Fisher.pdf

The quote from Fisher Science is attached. Shipping and handling are included in the price of the microscopes.

## 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.

Brock microscope.jpg

## Attachment 2

## Attachment 3

## File Attachment Summary

---

### ***Applicant File Uploads***

- Fisher.pdf
- Brock microscope.jpg

# Sales Quotation

Quote Nbr	Creation Date	Due Date	Page
4070-1144-84	03/11/2014		1 of 1
Payment Terms		Delivery Terms	
NET 30 DAYS		DEST	
Valid To		Prepared By	
12/28/2014		MELI, ROSE	
Customer Reference		Sales Representative	
MICROSCOPE QUOTE		ROSE MELI	
To place an order	Ph: 800-955-1177	Fx: 800-955-0740	
Submitted To:		Customer Account: <b>091607-005</b>	
SHELENE ROBINSON O'DEA ROBISONS@BILLINGSSCHOOLS.ORG  406-281-5800		CASTLE ROCK MIDDLE SCHOOL 1441 GOVERNORS BLVD BILLINGS MT 59105-1505	



**Fisher Science Education**

Part of Thermo Fisher Scientific

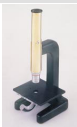
FISHER SCIENCE EDUCATION  
4500 TURNBERRY DRIVE  
HANOVER PARK IL 60133-5491

**PLEASE REFER TO THE QUOTE NUMBER ON ALL CORRESPONDENCE**

THANK YOU FOR YOUR INTEREST IN FISHER SCIENTIFIC COMPANY LLC

FOR COMPLETE TERMS AND CONDITIONS VISIT OUR WEBSITE AT

[www.fishersci.com/salesterms](http://www.fishersci.com/salesterms)

Nbr	Qty	UN	Catalog Number	Description	Unit Price	Extended Price
1	9	EA	S197094	MAGISCOPE MDL 70 5X EYE 4X OBJ	105.53	949.77
				 Microscopes, Simple; Magiscope; Model 70; Fiber-optic illuminator; 5X Huygenian eyepieces; 4X achromatic objectives; 20X magnification; Slide eyetube to focus Vendor Catalog # MODEL 70 This item is being sold as 1 per each		
MERCHANDISE TOTAL						949.77

## NOTES:

We now offer highly competitive financing with low monthly payments. Please contact your local sales representative for more information.

Tell us about your recent customer service experience by completing a short survey. This should take no longer than three minutes. Enter the link into your browser and enter the passcode: USA-PGH-CS2

<http://survey.medallia.com/fishersci>

