



**APOLLO-RIDGE**  
Education Foundation

In a world where funding for education is difficult to find, the Apollo Ridge Education Foundation aims to bridge the gap.



### INNOVATIVE PROJECTS GRANT

Family and Consumer Science Experiment: Growing Bacteria, Knowledge, and Understanding.

By incorporating the scientific method and laboratory equipment provided by this grant, the goal is to put the "Science" back into Family and Consumer Science. Food safety and sanitation is an important unit in the FCS curriculum because millions of Americans get sick from food-borne illnesses each year. The use of equipment such as an incubator, Petri dishes, nutrient agar, and cotton swabs provide students with the opportunity to view the bacteria that can be found in many unsuspecting locations in our kitchens. It will further reinforce proper cleaning and food-handling procedures.

The materials purchased with this grant allowed students to find out which locations in the kitchen and which types of foods contain the greatest amount of bacteria.

Students hypothesized within their lab groups which items they believe to contain the most bacteria. They then collected and labeled samples from different locations in the kitchen such as countertops, tables, handles, and floors or other items such as the hands, and cooked vs. uncooked foods.

Students looked at bacteria collected in a Petri dish filled with agar, jelly-like substance used to culture bacteria. Bacteria grows in colonies, and a bacterial colony is a visible cluster of bacteria growing on the surface allowing students to see the bacteria and its growth.

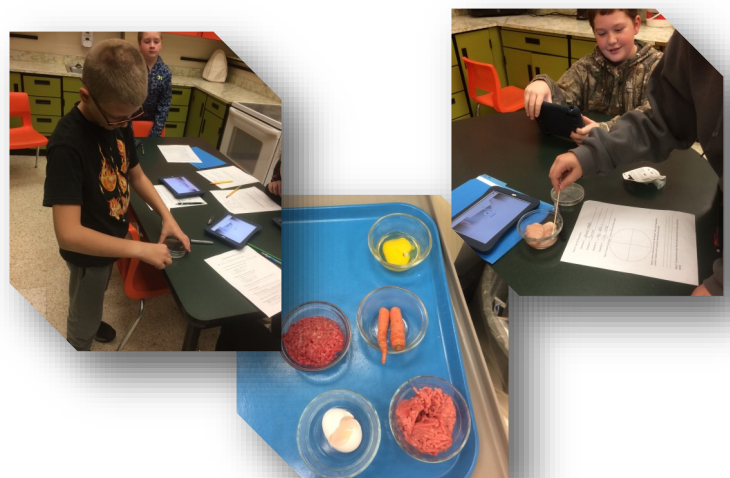
During each day of the unit, students reported on what the samples looked like and how much growth was seen within the colonies. An incubator kept the Petri dishes at an optimal temperature for bacteria growth, similar to the food danger zone.

What area of the kitchen is the germiest? The sink drain!

To learn more about the Education Foundation, its mission and vision, please visit [www.Apollo-RidgeEducationFoundation.org](http://www.Apollo-RidgeEducationFoundation.org).

### AREF's Mission

To foster partnerships with business and community leaders to successfully prepare Apollo-Ridge students for the workplace or post-secondary education.





DECEMBER/JANUARY  
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EITC  
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98% of all donations  
received directly impact  
Apollo-Ridge students.  
Donations are tax  
deductible to the extent  
allowable by law.

### 1:1 LAPTOPS

All 9th graders  
received brand new  
laptops in January  
thanks to the many  
generous contributors  
to the Denim 'n Derby  
Silent Auction last  
fall. The students will  
keep their own device  
all through High  
School and will be  
given the opportunity  
to purchase it upon  
graduation.



### VIKING CAFÉ

Ms. Kristen Barta  
received an Innovative  
Projects grant for a  
coffee cart café for  
teachers and staff.  
Students take orders,  
inventory supplies,  
handle money, and  
learn customer ser-  
vice skills. Beverages  
include coffee, tea,  
and hot chocolate  
with a number of  
flavored creamer  
options.



## Mosaic Project REFLECTIONS

I learned that I could grow into an artist some day  
—Isabel Gerheim

I learned art is not just drawing. —Emma G

You don't have to be perfect.  
—Jesse Peterson

I learned that I have a bigger impact  
on my community than I thought.  
—Drake Swalga

I can draw/do any arts and get better with  
practice. —Kenny Baustert

Sometimes things are better done  
with people when it comes to art.  
—Emily Borja

Apollo is a great place. —Colby Pozzuto

Certain colors make certain things look  
better. —Sam Ryan

Mosaics take FOREVER! —Daniel Bender

Art can be used to portray history.  
—Kristian Skovrup

## 2018 LEARNING FESTIVAL: March 17, 2018 10 AM—3 PM HIGH SCHOOL/MIDDLE SCHOOL CAMPUS

The Apollo-Ridge Education Foundation is rebooting the Learning Festival for it's 40th year anniversary.

A variety of mini workshops will be available along with the Academic Excellence Showcase, Kidzone, and Vendor/Crafter Fair.

CONFIRMED: Carnegie Science Center FAB LAB, Pitt Energy Grid Institute, Living Treasures Animal Encounter, Steel City Vaulters, Just Dance Workshops, Paint 'n Snack, First Commonwealth Bank Financial Education, Vendor Booths, Bounce Houses & Food!

If you wish to set up a vendor booth, provide a mini camp, or sponsor a unique learning experience, please contact  
Cris Kostiuik by email KostiuikC@ApolloRidge.com or call 724-478-6010.

[www.Apollo-RidgeEducationFoundation.org/LearningFestival](http://www.Apollo-RidgeEducationFoundation.org/LearningFestival)

## MEMBERSHIP—DONATION FORM

Membership in the Apollo-Ridge Education Foundation is available in the following categories:

\_\_\_\_ LIFETIME MEMBERSHIP: \$500—ask about our payment plan!  
\_\_\_\_ ANNUAL MEMBERSHIP: \$25 per year July 1—June 30 — MUST BE RENEWED EACH YEAR!  
\_\_\_\_ ONE-TIME GIFT: \_\_\_\_\$1 \_\_\_\_\$5 \_\_\_\_\$10 \_\_\_\_\$15 \$\_\_\_\_Other  
\_\_\_\_ LEARNING FESTIVAL DONATION \_\_\_\_\$\_\_\_\_

Checks payable to and mailed to:

APOLLO-RIDGE EDUCATION FOUNDATION PO Box 219, Spring Church PA 15686

Print Name\_\_\_\_\_

Address\_\_\_\_\_

City/State/Zip\_\_\_\_\_

Email (addresses are not shared)\_\_\_\_\_

thank you

As an approved Educational  
Improvement Organization,  
the Apollo-Ridge Education  
Foundation receives over  
\$12,000 a year from these  
valuable partners in  
education.

First Commonwealth Bank  
Partner since 2012

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