

2014 Seneca Soil Health Grant Report

Project Completion Date: March 30, 2014

Major Accomplishments: Teachers that participated in the Soil Resources for Schools grant were very happy and appreciative of receiving the supplies and resources from the grant funds. The funds were used to create 4 combination grade level (3rd & 6th) soil resource trunks and 1 third grade level soil resource trunk. A workshop was also hosted to distribute and share soil teaching resources among the grant participants. See attached teacher evaluations as evidence of the success of the project.

Variations from Original Proposal: None

Budget Summary:

- Grant Funds Expended: \$1000
- Cash Match Provided by Seneca SWCD: \$341.31
- In-Kind Match: \$650
- Total Project Budget: \$1991.31

Program Evaluation and Plans for Continuation: The evaluations received from the teachers were very positive. The District is pleased with the overall teacher participation, from conceptualization of the project, to the needs assessment, buy-in and follow through participation in the project! This project allowed us to deliver a product that the teachers needed and thus led to a more connected relationship. We have continued to support and offer guidance to the project teachers in this curriculum area and know the use of the trunks has been instrumental in making soils a positive lesson for the students in our public schools.

Suggestions for Improving Similar Future Projects: Using Amazon to purchase used books was very cost effective for the project, but the management and tracking of orders would need to be improved in future projects. Also the teachers requested a classroom set of non-fiction readers for the soils topic and this would be beneficial to further the successful implementation of the resource trunks.

Examples: See attached newsletter page announcing the project

Respectfully Submitted: Beth Diesch

Date	Description	Amount	Balance
1/2/2014	Direct Deposit - funds	\$1,000.00	\$1,000.00
2/11/2014	CK 4731 Visa - Amazon - books	-\$1,037.66	-\$37.66
3/18/2014	Walmart - supplies	-\$35.85	-\$73.51
	OSU Ext - soil quality test kits	-\$126.50	-\$200.01
3/17/2014	Dollar Tree - supplies	-\$64.00	-\$264.01
3/17/2014	Walmart - supplies	-\$50.72	-\$314.73
2/10/2014	Acorn Naturalists - soil tubes	-\$164.73	-\$479.46
3/19/2014	Tiffin PO - return order -Acorn Naturalists	-\$16.08	-\$495.54
3/19/2014	Acorn Naturalists - soil tubes	\$164.73	-\$330.81
3/19/2014	OsU Ext - laminations	-\$10.50	-\$341.31

$26 \text{ hrs} \times \$25/\text{hr} = \$650.00 = \text{In Kind Match}$
 $\$341.31 = \text{Cash Match}$

Soil Trunk Evaluation

What do you think will be the most helpful for your classroom?

All of it... I had nothing to really use to

What do you think will be the least helpful?

- Loved getting other ideas from teachers



What is missing?

??

What other resources do you think would help you with teaching soil to content standards?

Are there any other topics that you need resources for that are natural resource oriented?

Any science topic is helpful to me this year as a first year teacher in the grade level.

Any other ideas to share on how Seneca SWCD can help your classroom?

Soil Trunk Evaluation

What do you think will be the most helpful for your classroom?

The trunk of goodies - Thank-you! Loved the ideas shared by others.

What do you think will be the least helpful?

0

What is missing?

Not sure, first year teaching soil! Ask me next year.

What other resources do you think would help you with teaching soil to content standards?

Unsure, see above ↑

Are there any other topics that you need resources for that are natural resource oriented?

Rock

Any other ideas to share on how Seneca SWCD can help your classroom?

What do you think will be the most helpful for your classroom?

The supplies and activity books

What do you think will be the least helpful?

What is missing?

maybe a few probes for large classes

What other resources do you think would help you with teaching soil to content standards?

rocks

Are there any other topics that you need resources for that are natural resource oriented?

Any other ideas to share on how Seneca SWCD can help your classroom?

Thank you for being so available!

What do you think will be the most helpful for your classroom?

I found many of the resources helpful. The nonfiction books will be very beneficial.

What do you think will be the least helpful?

For me, the soil survey book only because of my grade level.

What is missing?

What other resources do you think would help you with teaching soil to content standards?

Rocks samples

Are there any other topics that you need resources for that are natural resource oriented?

Any other ideas to share on how Seneca SWCD can help your classroom?

I really appreciate the work & effort put into this workshop & materials!

Thank you!!

What do you think will be the most helpful for your classroom?

the tools and quality lesson plans

What do you think will be the least helpful?

would like to see class room sets of books ~~books~~

What is missing?

more probes (U)

What other resources do you think would help you with teaching soil to content standards?

contacts to professionals - people outside education
DOING the work be it pros or actual people in the field as well as associations or societies

Are there any other topics that you need resources for that are natural resource oriented?

I don't think so

Any other ideas to share on how Seneca SWCD can help your classroom?

soil samples for comparison
~~as well~~

THANK YOU!

Soil Trunk Evaluation

What do you think will be the most helpful for your classroom?

loved the sharing of ideas & wide variety of activities, books, etc
loved all the hands on supplies as well

What do you think will be the least helpful?

I can find a use for all of this!

What is missing?

What other resources do you think would help you with teaching soil to content standards?

Samples of soil (from various states or what not)

Are there any other topics that you need resources for that are natural resource oriented?

Renewable/Nonrenewable energy - hands on activities

Any other ideas to share on how Seneca SWCD can help your classroom?

More labs like this!! Great resource!

Soil Trunk Evaluation

What do you think will be the most helpful for your classroom?

- ① The resources including the tools + books in the trunk
- ② Resources shared by teachers.

What do you think will be the least helpful?

What is missing?

What other resources do you think would help you with teaching soil to content standards?

List of apps + websites

Are there any other topics that you need resources for that are natural resource oriented?

Rocks,
Energy

Any other ideas to share on how Seneca SWCD can help your classroom?

Keep coming !!!

Soil Trunk Evaluation

What do you think will be the most helpful for your classroom?

The 6th grade folder of activities

What do you think will be the least helpful?

3rd grade materials

What is missing?

not sure at this point

What other resources do you think would help you with teaching soil to content standards?

Are there any other topics that you need resources for that are natural resource oriented?

minerals + how they are useful

Any other ideas to share on how Seneca SWCD can help your classroom?

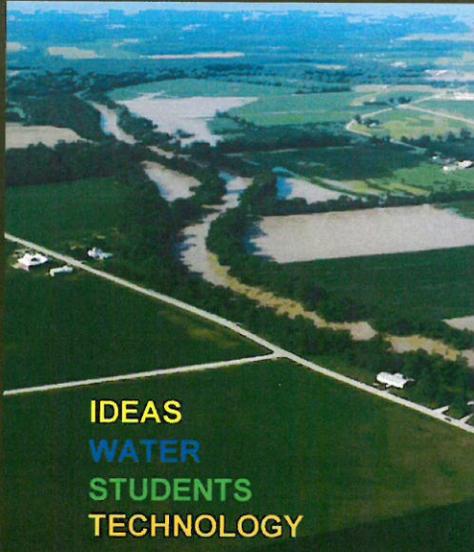
SOIL GRANT GOODIES AWARDED

As part of the ODNR-Division of Soil & Water Resources Healthy Soils Grant, teachers at Seneca East, New Riegel, Krout Elementary, Old Fort and Buckeye Central received Soil Trunks. The trunks were filled with non-fiction books, tools, lesson plans and other resources and will be shared between the 3rd and 6th grade teachers at each school.



The \$1000 grant was matched by \$500 and staff time by Seneca Soil & Water. Thank you to everyone who participated and helped get these valuable resources in to the hands of Seneca County's teachers and students!

ACTION PROJECT OPEN HOUSE



Join us as students share their solutions

ACTION PROJECT OPEN HOUSE

May 14 6-8pm
Heidelberg University
Gillmore Science Hall

Projects, presentations,
posters, displays, &
more!

High school science students have learned, in the field and classroom, about their water and it's problems. Now they'll share their plans to make it better.

It's your turn to listen and learn.

For more information, call Beth at Seneca SWCD (419)447-7073

This is a part of an Ohio EPA/OEEF grant awarded to Seneca County teachers and students to study Watershed Dynamics for the 21st Century Learner. Administered by the NCOESC, six county school, seven high school teachers and over 230 students participated in the two year grant. Partners in the grant included Seneca SWCD, Seneca East, Old Fort, North Central Academy, Tiffin Columbian, Bettsville, Buckeye Central, Heidelberg University and OSU/Stone Lab. Go to www.watershedynamics.org for more information.

4 COUNTY WINTER MNM MEETING

On March 19th, Seneca SWCD in partnership with Crawford, Sandusky and Wyandot SWCDs hosted their annual Manure Nutrient Management winter meeting with over 50 producers attending. Robert E. Moore (right), attorney from Wright & Moore, spoke to those producers in attendance about the many legal issues facing agriculture today. Glen Arnold, OSU extension, presented an update of the research from his manure trials. Kendall Stucky, Manure Nutrient Management Specialist, updated participants on the new Natural Resource conservation Service's new 590 Standards for nutrient management.

