



Collegial Circle Final Report

Please type in the information on this form, print it and send it to the Teacher Center along with the Collegial Circle copies in the check list below. Also, attach it to an email to Catherine Thomas to share in the Teacher Center's online Collegial Circle Archive. Thank you for being a part in the effort to improve teaching and learning for our students.

COLLEGIAL CIRCLE INFORMATION

Title of Circle: NGSS Standards Area: Science

Facilitator: Gary Buckert School(s): All k-12

Beginning Date: 9/2013 Ending Date: 5/2014 # of Hours: 9

Participants (list): Gary Buckert, Susan Karnas, Karen Smith, Gregg Herman, Susan Lochner, Donna Nichols

Please attach copies of the following to this report:

- ✓ Collegial Circle Attendance Log (required for payment)
- ✓ Collegial Circle Meeting Log
- ✓ Log of Strategies Implemented
- ✓ Samples of implementation strategies or student work samples if applicable
- ✓ Collegial Circle Reflection Sheets (each member fills one out)

COLLEGIAL CIRCLE DESCRIPTION

(Type your answer in the grey box below the question. The size of the box will adjust to the length of your answer.)

What were the anticipated objectives of this Circle?

REVIEW THE NGSS AND BEGIN THE PLANNING OF HOW TO SHARE THEM WITH THE DISTRICT SCIENCE STAFF.

What grade level(s) and or subject area(s) would benefit from this Circle?

Science k-12

FINAL REFLECTIONS

(Type your answer in the grey box below the question.)

Was the outcome/goal of this Collegial Circle met? Explain.

We did an in depth review of the NGSS and read the book, Translating the NGSS into Classroom Instruction by Rodger Bybee. We unpacked the NGSS and looked at what we already do in Pittsford. We identified gaps and areas that need to be implemented if NGSS is adopted. We were able to locate many resources that are very helpful to understanding the implications of the NGSS and science teaching. We shifted our focus to be more aligned with the district's curriculum mission and next generation (21st century) skills. We were able to create a k-12 Science Mission statement and identify long term transfer goals for science k-12.

How did the Collegial Circle assess whether the outcome was met?

We created the k-12 mission statement and k-12 long term transfer goals. We were able to begin to see how the NGSS would be incorporated into our current curriculum k-12. The 8th grade teachers are trying to pilot and engineering problem for their classes as a final assessment.

How did your work impact teaching/learning? Include student work samples, lesson plans, peer reviews, etc.

The k-12 science mission statement and long term transfer goals will be vetted and shared with all science teachers in the district. The NGSS played an integral role in the formulations of the mission and transfer goals.

Comments/additional information to share.

The state decided to hold off on any NGSS decisions for at least two years. We all agree that the NGSS are very valuable and will continue to analyze and discuss how they can be incorporated into our existing curriculum k-12