Collegial Circle Final Report

Please complete all information on this form. After it is complete, send it to the Teacher Center along with other supporting documentation. Electronic copies are preferred whenever possible.

Collegial Circle Information

Title of Circle: **Geometry Critical Friends Group** Standards Area: Mathematics

Facilitator: Carrie Gunther School(s): MHS & SHS

Beginning Date: 3/7/2018 Ending Date: 4/11/2018 # of Hours: 4

Please submit copies of the following to this report:

- ✓ Collegial Circle Attendance Log
- ✓ Collegial Circle Meeting Log
- ✓ Samples of strategies implemented, materials created, or student work samples where applicable
- ✓ Collegial Circle Reflection Sheets - completed by each participant

Collegial Circle Description

What was the anticipated goal(s) of this Collegial Circle?

Using a critical friends model for our collegial circle, we will analyze our current learning targets for specific Geometry units compared to the Geometry Learning Standards that were revised in 2017. Our goal is to improve student performance by ensuring we are in line with current standards.

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

Grades 9 & 10 in Mathematics – specifically Geometry.

Final Reflections

Was the goal of your Collegial Circle met? Please explain.

YES! We successfully revised our Quadrilaterals Unit. We had the opportunity to analyze our standards and reflect on our current learning activities. Based on our work, we concluded that we needed to spend more time with our students doing deeper proof work. We revised our practice packet to develop those activities while maintaining our notes packet to review concepts students are expected to know from earlier grades through instructional videos and homework assignments.

How did the members of this Collegial Circle assess whether the outcome was met? What evidence was utilized to assess your progress?

Comparison of this year's student learning materials with previous year's materials shows that we re-evaluated our goals for the unit. We re-arranged some of our topics and changed the focus from properties of the shapes (middle school topics) to high level proofs.

How did your work impact teaching and learning? [include student work samples, lesson plans, peer reviews, etc.]

Learning was directly impacted as we were working on student materials. We had the opportunity to collaborate again at our Superintendent's Conference Day – there we reflected on the implementation of our materials. The consensus was this year students had a better understanding of quadrilaterals in general and a much better ability to complete proofs. We have given a common assessment for this unit for the past few years (revised over emails each year). We wish we had the time to sit down and analyze student work on this year's exam. But anecdotal evidence and teacher conversation at our recent conference day suggests that students did a much better job on the exam this year.

Did your work align with the Level of Evaluation you identified in your proposal? Please explain. [Link to Thomas Guskey's levels here]

Yes. We aligned with level 4 – Participant's Use of New Knowledge and Skills. Members of this group did gain new knowledge of learning standards that applied to our quadrilaterals unit in our Geometry course. They used this knowledge to re-structure goals for their students and created new learning activities for their classrooms. Ultimately this did improve the implementation of our Geometry program content and further analysis of student data on common assessments should support that this work increased student understanding.

Please include any additional comments you would like to share with the Collegial Circle Committee. This may include unanticipated outcomes, next steps, new learning, etc.

Thank you for this opportunity! We are grateful for this opportunity to work with colleagues we wouldn't normally see during our daily routines. While this work was productive, we wish we could continue this work analyze student test results to really see the impact we had.