

# 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.**

Title of Circle:	<u>Physics Engagement</u>	Standard	<u>Science</u>
Facilitator:	<u>Karen Smith</u>	School(s):	<u>MHS</u>
Beginning Date:	<u>10/15</u>	Ending Date:	<u>4/16</u>
		# of Hours:	<u>6</u>

*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

WHAT WAS THE ANTICIPATED GOAL(S) OF THIS COLLEGIAL CIRCLE?

**TO IMPROVE PHYSICS STUDENT ENGAGEMENT IN PHYSICS BY CREATING MORE "ACTIVE" INSTRUCTION**

WHAT GRADE LEVEL(S) AND OR SUBJECT AREA(S) WILL BENEFIT FROM THIS CIRCLE?

**11-12**

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

Yes. Several "station" unit plans were created, piloted and then reflected on. The plans we're then enhanced and will be used again next year. Physics enrollment for next year increased by 25 students.

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

Anecdotal, improvement of scores on assessments, number and level of student questions around topics in electricity and waves.

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

See notes.

**Did your work align with the Level of Evaluation you identified in your proposal? Please explain.** [Refer to the document, *5 Levels of Professional Development Evaluation*, on the TC webpage.]

Yes- Student learning outcomes improved with improved assessments, and questioning. The use of "new" station protocols learned during the Paul Anderson workshop we're implemented and revised to fit the physics classroom. Participants learned how to use the stations in the classroom lab and now will be using it during class and lab.

**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.**

Next steps are Physics teachers incorporating small group discussions into their stations and small group problem solving stations as well.