

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: AP Precalculus as offered by College Board Standards Area: Sec. Mathematics
Facilitator: Kathleen Curtis School(s): MHS/SHS
Beginning Date: August 30, 2022 Ending Date: April 27, 2023 # of Hours: 12
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?

Participants have an understanding of the new precalculus course and accompanying AP exam blueprint that is set to hit high schools across the United States in 2024. As a result of our learning, we have decided that AP Precalculus will go through the new course proposal process in 2025-26.

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

This course will be largely for grades 11 and 12.

What level of Guskey's Professional Development Evaluation did you select for this Circle?

Level 2 Participants Learning using the College Board Documents, AP Community Forum, and 1 video summarizing this course. During our collegial circle work, the College Board made a shift in the curricular objectives for this course after several petitions circulated from higher education.

FINAL REFLECTIONS

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

Yes, Participants have a much better understanding of the course and content that will be an option for our students in the future. We have identified current course standards and outcomes that align to the CB course, and have also identified which standards where we are not aligned, and sample assessments can help us. Currently, CB only has a sample of 24 multiple choice questions available.

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

The conversations and reflections of the work we did throughout the Circle.

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

Pre-calculus is one of the more variable courses in NYS and Nationally, this Circle gave participants time to reflect on our alignment and what appears to be different from our current practice.

Did your work align with the Level of Evaluation you identified in your proposal? Please explain.

Yes, we have a much better understanding (Level 2) of the CB program and will have more to do prior to offering the course to our students here in Pittsford.

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

Likely another Circle to study the assessments once they become available and reflecting on how our students in pre-calculus at any level are responding to the rigor of College Board. This was a thoughtful group that has invested in this Content Study. Thank you for the opportunity.

Collegial Circle Proposal

Directions: Complete all parts of this form and email it to Julie Barker at the Teacher Center. The Collegial Circle Committee will review the proposal and the facilitator will be notified within 1-2 weeks regarding the status of the proposal. Collegial Circle work may begin once acceptance notification is secured. Please do not begin work prior to receiving formal approval.

Title of Circle: AP Pre-Calculus as offered by College Board

Facilitator: Kathleen Curtis **Date of Proposal:** July 8, 2022

School(s): MHS and SHS **Grade Level(s):** 10-12

Standards Area(s)/Discipline(s): Mathematics

Number of hours requested to complete your work (4-12): 12 Hours

Structure: Identify the professional learning structure your circle will be utilizing to complete its work. For additional information, click on the link on the Teacher Center Webpage for *Collegial Circle Structures*.

X	Action Research
	Book Study
	Critical Friends Group
	Tuning Protocol
	Strategy Implementation
X	Other: College Board Document Study

Participation: Membership in collegial circles should be determined by the type of work you are planning to accomplish and the model you are utilizing. As you are designing your collegial circle, it is important to consider your participants and who best to include in your circle. Have you considered including people who are outside of your grade level/department/building? This is not required, but it may enhance the work you are planning to do. Please list the members of your circle in the spaces provided below.

Participants (3-8 recommended):

- | | |
|----------------------------|--------------------------------|
| 1. <u>Tony Martellotta</u> | 6. <u>Mark Catalfano</u> |
| 2. <u>Lina Maine</u> | 7. <u>AnnMarie Stockslader</u> |
| 3. <u>Jason March</u> | 8. <u>Tina Andre</u> |
| 4. <u>Casey Stradley</u> | 9. <u>Jen Clausen</u> |
| 5. <u>Margaret McCann</u> | |

A. What is the anticipated goal of your circle?

Staff has a thorough understanding of the new precalculus course and accompanying AP exam blueprint that is set to hit high schools across the United States in 2024.

B. What evidence do you plan to collect that will demonstrate you have met your goal? [e.g. student work samples, teacher-created materials, reflection journals]

Student work on current content overlap with a College Board spin. Teacher reflection on discussions and specific units that align to our current scope and sequence and those that do not.

C. What is the expected new learning that will occur for participants as a result of your circle? On which resource(s) or research do you plan to base your work?

A Thorough understanding of the College Board AP Pre-calculus curricula and alignment to our current program.

D. Review the document, *Five Levels of Professional Development Evaluation*, by Thomas Guskey on the TC webpage. At the end of your learning, with which level do you anticipate your work will be aligned? Explain.

Level 2 Participant's Learning is a definite outcome, we will know a lot more about the new AP pre-calculus course. We may dabble in Level 4 as a result of our learning to alter the way we approach certain topics in our current pre-calculus courses.