

Summer Workshop: Strategies for Challenging Students in Today's Math Classroom



In conjunction with the Connelly Foundation, the Archdiocese of Philadelphia is offering a free opportunity for math teachers throughout the area to enhance their skills! During this workshop, participants will try to answer the following question: How do we challenge students in our math classroom?

Each participant will have the opportunity to:

- Learn about effective classroom management strategies.
- Use discovery-based activities in the classroom.
- Identify characteristics of a thought-provoking assessment.
- Network with other Archdiocesan teachers.

Patrick Yoka will serve as the facilitator of these sessions. He currently teaches mathematics at Saint Francis Xavier School in the Fairmount section of Philadelphia. Under the Connelly Foundation's Math Matters initiative, Pat's fifth, sixth, seventh, and eighth graders participate in a virtual classroom with students from Saint Monica School in South Philadelphia and Saint Laurentius School in Fishtown. He hopes to share teaching strategies and resources with attendees.

The in-person event will take place from August 14th - 16th at the offices of the Connelly Foundation. To register, complete the following survey by July 14th: <https://forms.gle/KWuP5KVspu7nEYQv7>.

Feel free to contact the presenter, Patrick Yoka, at mr.pcyoka@gmail.com if you have any questions.

Workshop Overview: Strategies for Challenging Students in Today's Math Classroom

Dates	August 14 th – 16 th
Times	9:00 A.M. - 12:00 P.M.
Location	Connelly Foundation Offices One Tower Bridge 100 Front Street, Suite 1450 West Conshohocken, PA 19428
Goal	Attendees of this program will obtain the skills necessary to challenge and engage students of varying ability levels.
Intended Outcomes	Each attendee will: 1) Create a list of classroom management strategies that will help keep students engaged and interested. 2) Design an inquiry-based activity that pushes students to discover new concepts. 3) Identify diagnostic and formative assessments that can help improve student performance. 4) List characteristics of an effective summative assessment.
Attendees	Math teachers in the Archdiocese of Philadelphia
Registration	To register, complete the following survey: https://forms.gle/gz9TGGkQ7Eja87gm7
Act 48	Nine Act 48 credits will be awarded to participants who attend all three days of the workshop. After you fill out the survey above, you should also register on WisdomWhere to attain Act 48. Teachers who have previously participated in the program are not eligible for Act 48 credits.

Workshop Agenda: Strategies for Challenging Students in Today's Math Classroom

Date	Time	Content Covered
8/14	9:00 - 10:30	<u>Struggling Students, Gifted Learners and High Achievers</u> : How can we keep all students engaged in a classroom of varying ability levels? Strategies will be presented and discussed.
8/14	10:30 - 12:00	<u>Classroom Management Strategies</u> : What are effective ways to keep students interested and on-task? Different techniques will be presented to attendees.
8/15	9:00 - 10:30	<u>Inquiry-Based Learning</u> : What is inquiry-based learning? Could it work in your classroom? Participants will examine different levels of inquiry-based learning and discuss the benefits and potential pitfalls of this learning model.
8/15	10:30 - 12:00	<u>Create an Inquiry-Based Activity</u> : Attendees will discuss the inquiry planning process and critique examples of structured inquiry.
8/16	9:00 - 10:30	<u>Improving Performance with Assessment</u> : How can we use different forms of assessment to increase student performance? Varying types of diagnostic and formative assessment will be presented and critiqued.
8/16	10:30 - 12:00	<u>Effective Summative Assessment</u> : What do our summative assessments look like? Characteristics of an effective assessment will be presented and discussed.