

Interactive Mathematics Workshop Series

The Young Women's Leadership Charter School (YWLCS) is hosting a **mathematics workshop series** focused on **creating a dynamic, student-centered mathematics classroom**. These workshops will investigate several units of the **Interactive Mathematics Program (IMP)**. We will share practices for creating an atmosphere of inquiry and discussion, including examining the role of group presentations, asking questions, pacing, and assessment. All workshops will be interactive. Teachers should come prepared to work with others, listen and share ideas.

The follow are list of the upcoming workshops which will take place from **9:00am-12:00 noon**:

November 3rd:

- This workshop focuses on the IMP unit **Cookies**. **Cookies** develops an ability to use linear programming, including the analyzing and solving pairs of linear equations.

December 8th:

- This workshop will be focused on the mathematics of IMP 1 unit, **The Overland Trail**. The main target in The Overland Trail is making connections among situations, equations, tables and graphs.

January 26th:

- Using the **TI-83 in the classroom**. We will look at different activities in IMP and CMP (Connected Mathematics Program) to incorporate the use of the technology. The first hour will be dedicated to learning basic and more advanced features of the calculator. In the 2nd hour teachers will use their own current unit to write a quick lesson plan for activity using calculators. Focus will not only be on the use of the technology, but how the technology can lead to questions that can reinforce understanding, add meaning, and further/deepen students thinking.

February 23rd:

- **Cooperative Groups**--Sitting all students at a table and telling them to work together does not make a collaborative group. This workshop will focus on fostering the meaning of collaborative groups on students. Using activities from IMP and Get It Together, we will discuss what look for while students work together. In addition to building effective groups, we will also go over the questions that one can ask the support cooperation as well as a way to informally assess.

April 19th:

- This workshop will be dedicated to two units: the year 2 unit, **Alice**, and the year 3 unit- **Fireworks**. Alice's focus is the development of the mathematics of exponents. Fireworks is a context to introduce student to quadratic equations, their graphs, intercepts and factoring.

*** In all the IMP workshops we will incorporate using the TI-83 graphing calculator. You do not have to be an expert to use it as an effective tool in the classroom. In addition to incorporating the graphing calculators, we will examine the mathematics learned and look at how these topics may appear on the standardized tests students take. The training in some of the IMP units will touch on the bigger assignments and mathematics of the unit. If your school would like further training, or additional training in other IMP units, please contact us as this may be arranged.

YWLCS
Interactive Mathematics Workshop Series
Enrollment Form

Yes I/we would like to attend the following workshops:

Workshop: **Number Attending**

November 3rd:
Cookies _____

December 8th
The Overland Trail _____

January 26th
TI-83 in the classroom _____

February 23rd
Cooperative Groups _____

April 19th
Alice/Fireworks _____

Name: _____ email: _____
(Contact person if more than one attending)

School _____

All workshops will be held at The Young Women’s Leadership Charter School – 2641 S. Calumet Ave. There is a workshop fee of \$10/person to cover refreshments and copies. Made payable to YWLCS.

Thanks and hope to see you!!!

Questions??? Contact:
Kam Woodard
YWLCS
kmwoodar@ywls.org
312.949.9400 ext 609