

A FOCUS on MATHEMATICS COLLOQUIUM

Planes, Trains, and Hypercubes: MMT Research Presentations

“Trains” Presented by:

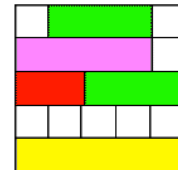
Anne Paoletti

And

Ellen Murray

MTF, Watertown Middle School

MTF, Arlington Middle School, Lawrence



Ellen Murray and Anne Paoletti will present data on compositions and partitions of specific integers and present patterns noticed in this data, as well as analysis and generalizations of some of these patterns including some informal algorithms and proofs. Anne and Ellen will also provide lesson plans and strategies for undertaking this research with students, including pathways for students of all levels to access the mathematics presented.



“Symmetries of the Hypercube” Presented by:

Sarah Pikcilingis, MTF, Eugene Wright Middle School, Chelsea

Sarah Pikcilingis will present research on the structure and symmetries of the hypercube. Patterns found in the structure of a cube and a hypercube will be extended in order to explore the structure of higher dimensional cubes. Sarah will discuss how this research can be used with middle school students.

Date: May 10, 2006

Time: 4:30-5:30 PM



Place: BOSTON UNIVERSITY

8 St. Mary's Street

Photonics Center

Colloquium Room 906

Registration from 4:00 – 4:30

Colloquium begins promptly at 4:30

Reception to follow from 5:30 – 6:30 PM

Please RSVP by May 3, 2006!



We must know ahead of time if you plan to attend in order to provide enough food and parking!

Contact Karina Dymina: karina@focusonmath.org

For directions and info, please visit: www.focusonmath.org



Focus on Mathematics is a unique partnership of mathematicians and educators from Boston University, Education Development Center, Inc., Worcester Polytechnic Institute, UMass Lowell, Lesley University, and five Greater Boston school districts: Arlington, Chelsea, Lawrence, Waltham, and Watertown.



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