

The Mathematics Education Speaker Series
presents

“IBL and the (Arnold) Ross Program”
Tom Roby, University of Connecticut

Friday, March 9, 2–3 PM
Science Center 507
Department of Mathematics
Harvard University

The (Arnold) Ross Program at Ohio State University, which celebrates its 50th anniversary this year, is an intensive 8-week summer experience designed to encourage motivated pre-college students to explore mathematics. During those eight weeks, students are immersed in a world of mathematical discovery, working numerical examples, formulating their own conjectures, and trying to prove them. Its an example of Inquiry-Based Learning at its best.

At the heart of the program are problem sets, designed and refined by Ross over decades. They provide the main structure which guides students to think and explore, while not giving away too much. This talk will explain how the program works both structurally and mathematically, including sample problems.