Data Analysis, Algebra and Functions with Math Technology II Grades 8-12

This Academy will focus on developing a deeper understanding of the benchmarks, indicators and key concepts for the Data Analysis and Algebra and Functions Standards with particular attention to mathematics processes, real world situations, and the use of data collection probes and graphing calculators to achieve the standards. Topics include representing and analyzing data, contextualizing student learning experiences, utilizing graphing calculators and data gathering devices (such as CBL II's) to extend student opportunities to learn, assessment of student learning. Participants learn strategies for differentiating instruction based on student need and for embedding mathematical processes benchmarks within instruction and assessment. Elements of the Academy contribute to understanding and improving student performance on Ohio's achievement tests and the Ohio Graduation Test. TI 83 and 84 calculator models and CBL II and Labpro will be referenced during the academy.

Suggested Audience: Teachers of grades 8-12, special education teachers and those from high-need districts are encouraged to attend. Note: experience with graphing calculators or participation in Intro to Technology Academy is required. Teachers must participate in the Data Analysis, Algebra and Functions with Math Technology I or have participated in the equivalent academy from 2007 or verify proficiency with graphing calculators.

Institute Dates: July 7-11

Monday	8:30 am - 4:30 pm
Tuesday-Friday	8:30 am - 3:30 pm

Location: 231 Fawcett Hall, Wright State University

Optional Graduate Credit: 1.5 semester credit hours from the University of Dayton

Academic Year Follow-up: 13 hr follow-up
(additional 1.5 semester hours) 4:30 – 7:30 in August (TBA)
8:30 – 4:30 WOEA Day (October 17, 2008)*
4:30 – 7:30 in May (TBA)

*If your district does not observe WOEA Day, the EXCEL Center will reimburse your district for the cost of a substitute up to $100.