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We will discuss our Texas Education Administration-sponsored professional development program. Organized by three members of the math faculty and one from educational psychology, our program introduces teachers to the LOGO programming language and the LearnStar wireless assessment technology. Both are powerful tools for stimulating creativity and logical thinking.

We view the K-12 teachers as partners, not as inferiors who need to be told how to teach correctly. Thus, a primary emphasis of our program is providing teachers tools they can adapt to their own needs, rather than handing down canned lessons from the university faculty seated on high. Teachers attend a full-day workshop to introduce the features of each technology, then a second workshop to give them time to develop their own materials tailored to the needs of their own students.

Another innovative feature of our program is the use of service learning projects by our pre-service education majors to assist the in-service teachers in the program. We teach a geometry course for future middle school teachers using LOGO. Students in this course can earn service learning credit for developing their own LOGO lessons and visiting the in-service teachers's classes to assist and observe LOGO in action. (Received September 21, 2005)