Professional Development
That Works!

The Teacher as Educator

Data Driven Instruction:
Teachers develop and use assessment tools that are aligned with state standards that allow detailed analysis of student strengths and weaknesses that can then empower both the teacher and student to succeed.

Research Based Instruction:
Teachers learn action research techniques so that they can work with experts to contribute to our total understanding of best practices. The results of this work is shared through publications and professional meetings.

Develop Learning Communities:
Teachers meet regularly to look at the data on their students and develop learning plans that are implemented and evaluated in terms of their success with students.

Eliminate Gender and Cultural Bias:
We have had outstanding success helping teachers eliminate learning gaps caused by cultural and gender bias.

The Teacher as Scientist

Teachers and their classes are partnered with professional scientists to develop research projects that allow students to participate in the scientific enterprise. Areas of research have included studies of the Hudson River, investigations of the ecological importance of trees, studies of biodiversity, investigations involving partnerships with medical schools, studies of issues related to global warming, investigations of problems of interest in the school community.

Other projects involve engineering and robotics, technology and mathematical modeling.

SUPPORT IN THE CLASSROOM

A unique aspect of this program is that it provides support for the teacher in the classroom. Experts come to the school on a regular basis to help teachers and the learning community to apply what they have learned in their professional development.

SUPPORT IN A STATE-OF-THE-ART LEARNING CENTER

Workshops are conducted in our state of the art learning center where teachers can become comfortable with the technology and other materials that are essential to the successful teaching of science. This is a great opportunity for teachers to learn to effectively use computers, video, audio, interactive white boards and other technologies in their teaching.