

Boston Public Schools



Urban Systemic Program Teacher Leaders

Goal #3



Increase the competency and diversity of the science and mathematics workforce.

District Leadership Development



- At the start of the USP
 - 1 Program Director
 - 3 Professional Development specialists
 - Funded by the grant
 - Very little experience in doing PD
 - 1 Materials Management Specialist

Challenging Science Curriculum for all



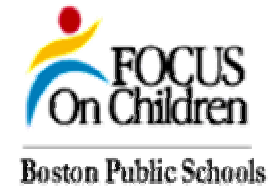
Grade 9 Active Physics

2005 NSF PI meeting

Grade 2 Science



District Leadership Development



- Boston Teams attend
 - NSF funded LASER Institute
 - NSF funded BSCS SCI Center Institute
 - Merck Institute for Science Education Planning Retreat
 - NSTA Meetings
 - Local professional development with WESTED, MOS, EDC, etc.

Responsibilities of the Science Teacher Leader



- Coordinate professional development efforts in science at participating schools, in collaboration with principal/headmaster.
- Open classroom to serve as a laboratory for professional development

Teacher Leaders

- Extensive Professional Development Each Year beginning in 2001
 - Inquiry
 - Assessment
 - Literacy
- Piloting and Selection of standards-based curriculum materials
 - Program specific Professional Development

Professional Development



2005 NSF PI meeting

Instructional Team Leaders



- Spring 2004 First Instructional Team Retreat
 - Prepare Teacher Leaders to assume all kit and program Professional development
 - Technical support from Merck Institute
 - 12 Peer Teacher workshops summer of 2004
 - Informal science staff on teams
- Summer 2005 ITL's led 30 workshops



2005 NSF PI meeting

Instructional Team Leaders

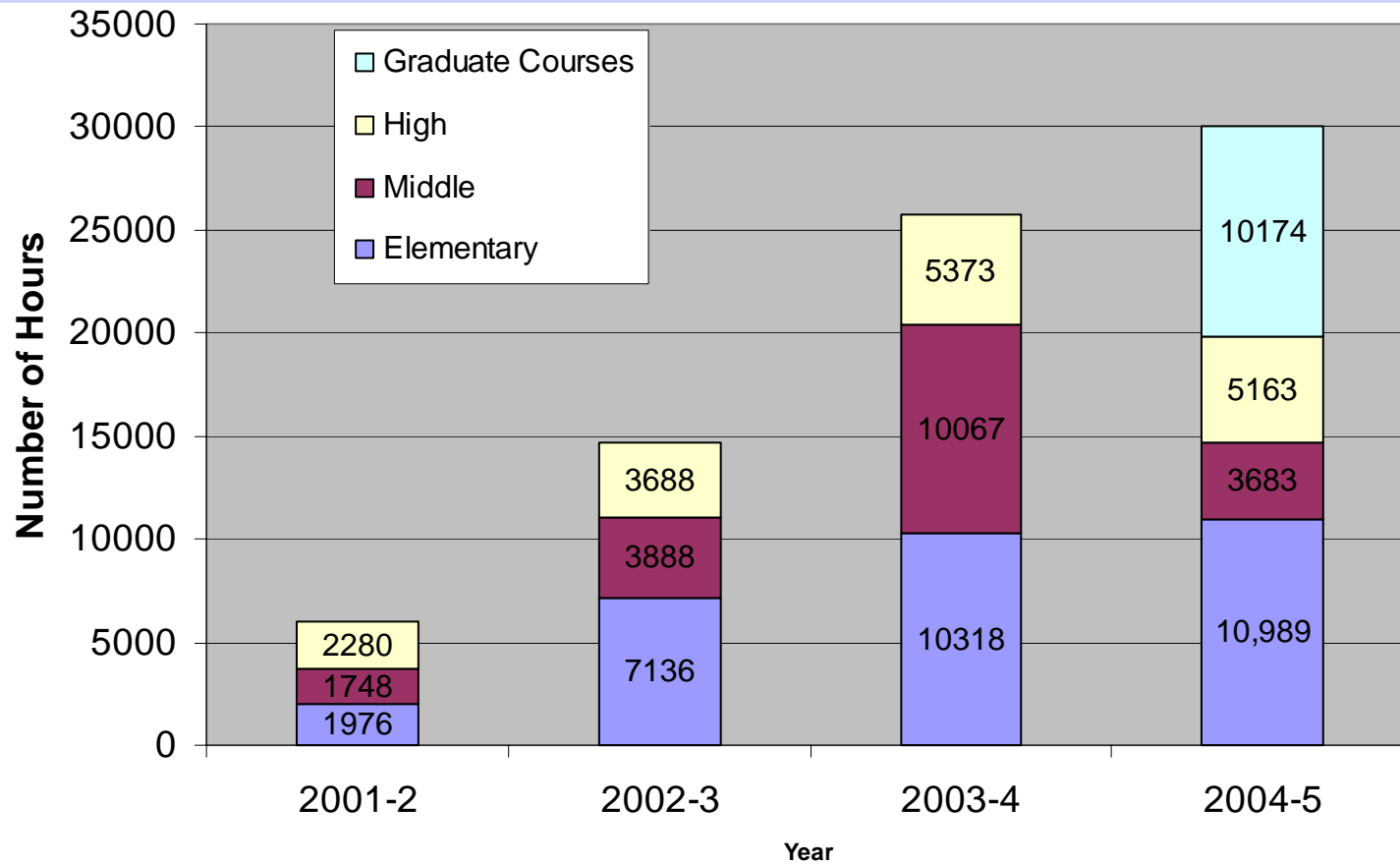


- Conduct summer professional development
- Receive support from curriculum developers and science department (monthly professional development)
- Conduct monthly call backs for district curriculum

Active Physics



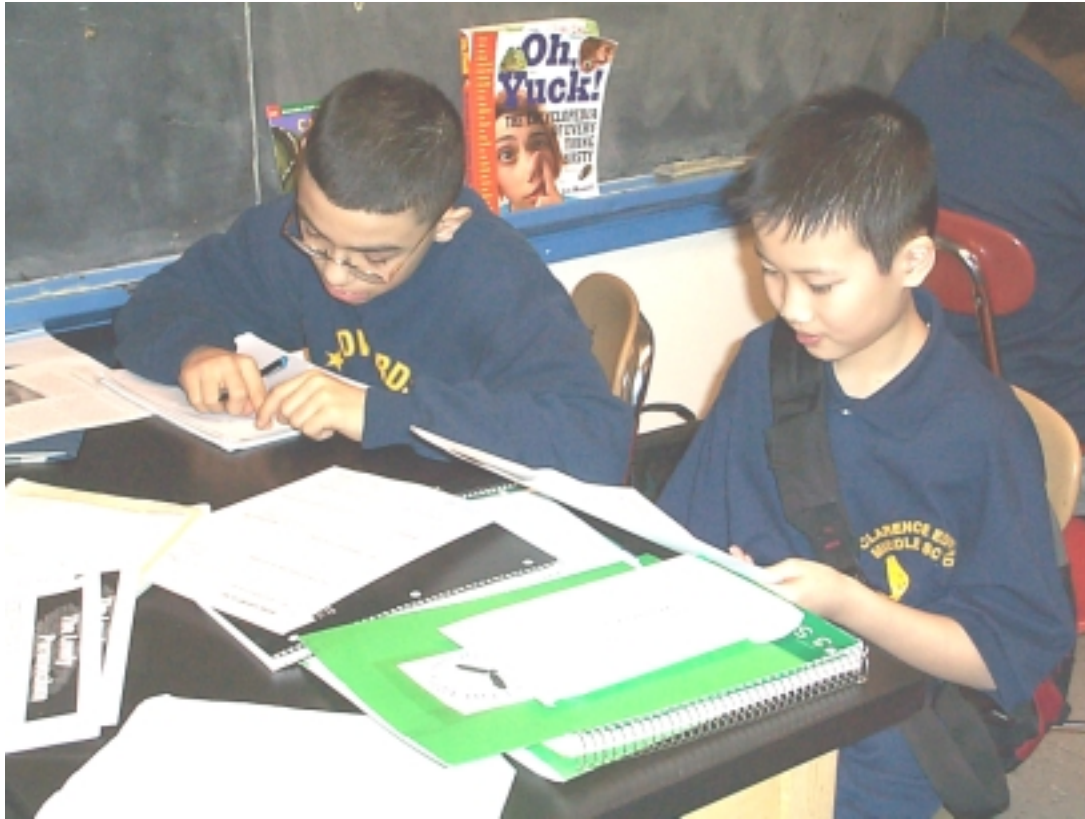
Growth in Science Professional Development



New Role for TL in BSP

- **University courses that deliver rigorous science content and that model good teaching**
- **Summer of 2005 six courses were offered**
- **Co-taught by Boston Teacher Leaders and University Faculty**





Kids Doing Science!

