



TI Professional Development Services

Texas Instruments knows how to help educators succeed. When educators succeed, students can too. Through the T³ – Teachers Teaching with Technology™ Program, TI provides a framework of professional development services to assist in effectively integrating TI handheld educational technology into classrooms. From the T³™ Teacher Leader Cadre (TLC) 9-day program designed to train local teacher leaders, to T³ Online course offerings, and regional and international conferences,

TI Professional Development Services incorporate nine components of effective professional development that are supported by a combination of empirical research and professional wisdom.¹

These key components have the following characteristics:

- Address student learning needs
- Incorporate hands-on technology use
- Are job-embedded
- Have application to specific curricula
- Address knowledge, skills and beliefs
- Occur over time
- Occur with colleagues
- Provide technical assistance and support to teachers
- Incorporate evaluation

The sources that support the conclusions

These components of effective professional development were identified through a review of carefully selected research-based documents, including 14 experimental and quasi-experimental studies that met criteria for scientifically based research, as defined by the No Child Left Behind Act and the National Research Council. Each key component was identified as an element of successful professional development in at least two studies. Sources² of these documents included:

- North Central Regional Education Laboratory (NCREL)
- National Staff Development Council (NSDC)
- The Knowledge Loom website, sponsored by LAB at Brown University
- National Awards Program for Model Professional Development

The nine components and how each is supported by TI Professional Development Services

Address student learning needs by:

- Being aligned to standards
- Focusing on specific student learning content
- Promoting the use of graphing calculators to facilitate meaningful learning
- Tailoring content to specific student needs

Incorporate the use of hands-on technology by:

- Being activity-based
- Focusing on specific technology skills
- Applying it to specific curriculum content
- Using activities that are well suited for classroom use

Are job-embedded by:

- Having school/district follow-up plans
- Using Train-the-Trainer content
- Featuring online courses

Apply to specific curricula by:

- Including workshops that cover specific curriculum/topics
- Having clear content tie-in for modules and activities

Address knowledge, skills, and beliefs by:

- Preparing teachers to apply research-supported instructional strategies
- Promoting practices that transform teacher roles

Can occur over time by:

- Having school/district follow-up plans
- Using Train-the-Trainer content
- Featuring online courses

Can occur with colleagues by:

- Being implemented with TI Professional Development
- Aligning to local goals, Train-the-Trainer, or follow-up plans

Provide technical assistance and support to teachers by:

- Including online course support and coaching
- Offering free technical assistance and website resources

Incorporate evaluation by:

- Pre- and post-assessment of participant knowledge and skills

The Future of TI Professional Development Services

As education and instruction continue to change and the challenges to support them grow, TI will retain its commitment to stay at the forefront of providing the most effective professional development based on the best research and professional wisdom. For more information, visit education.ti.com/research.

¹ The Institute for the Advancement of Research In Education at AEL. (2003, December). "Description of Texas Instruments Educational & Productivity Solutions Division approach to professional development." Prepared for Texas Instruments Educational & Productivity Solutions Division, and The Institute for the Advancement of Research In Education at AEL. (2004, April). "Review of the research: Nine components of effective professional development." Prepared for Texas Instruments Educational & Productivity Solutions Division.
See education.ti.com/research

² Review of material from key research-based sources (NCREL, NSDC, National Awards Program for Model PD, Knowledge Loom website at <http://knowledgeloom.org/pd>)