

## Evidence of Impact

# Proving Professional Development Programs Improve Student Outcomes

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Student learning and achievement are, of course, the ultimate goals of all education reform programs, even professional development programs. In fact, the achievement of these goals is often the only measurement of success that stakeholders in educational systems find important, and leaders are often called upon to describe how teacher development will translate into improved student outcomes.

Given logistical, financial, and staffing requirements, a cause-and-effect relationship between a teacher professional development program and student achievement is difficult to determine through indisputable scientific methods.

However, if program leaders address these limitations directly and honestly, and carefully explain what can be shown about student effects through evaluation research, stakeholders will see the program's benefits and appreciate the integrity of the theory-based designs used in Intel program evaluation.

Evaluation shows that Intel® Teach Program participants increase their integration of technology and use of new pedagogical practices (such as project-based, collaborative learning strategies) as a result of the Intel training. This greater incorporation of 21st century activities and methods in the classroom is universally recognized in educational research as key to improving student outcomes.

### Find Out More

**What Does Evaluation Demonstrate About the Impact of the Intel® Teach Program?**

[Read](#) evaluation results for the Intel® Teach Essentials course.

### Find Out More

**Correlating Research on Proving That Professional Development Programs Improve Student Outcomes**

Kingsbury, G. G. (2006). The medical research model: No magic formula: Education is a complex endeavor, and education research needs to take that complexity into account. *Educational Leadership*, 63(6), 79-82.