

Project TLI
Second Interim report: 10/31/01-2/28/02
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Project TLI is moving forward on achieving its first project year goals. Since its inception, TLI has expanded to 10 participating pre-intern programs and 13 corporate/business partners. The prototype nature of TLI allows for relatively small participation in the goal areas to explore the application of technology to pre-intern professional development.

On November 19, 2001, a survey was launched to allow preintern directors to decide their implementation plans. 80% of the participants responded. The results were

- 100% interest in ClearPhone web conferencing technology for online tutoring
- 63% interested in LessonLab for video investigations into classroom practice;
- 38% interested in Apple video dilemmas.
- Less than 25% were interested in training to develop technology infused lessons.
- 168 preinterns were identified as needing science subject matter preparation.

Only the Kings County Office of Education program selected to begin TLI related activities prior to March, with the remaining counties desiring training during March and April. Two counties requested lesson plan development training to support 45 preinterns. These were Monterey (40) and San Joaquin (5).

Two county offices, Kings and Alameda, expressed interest in serving as pilot site for ClearPhone web-based online tutoring immediately. Kings County has created an implementation model that will be shared with the other counties. The remaining counties surveyed indicated that they preferred to wait until after the late February SSAT and MSAT test dates to begin participation in TLI activities.

Goal 1: TLI will provide Internet based subject matter competency training focusing on science.

In an October survey of county programs, science was identified as the most critical area of need for subject matter preparation. To fill the need for experts to serve as tutors, a partnership was forged with the Exploratorium Teacher Institute. Twelve experienced science mentor teachers have expressed interest in becoming online tutors for biology, chemistry and physical science SSAT preparation via ClearPhone software. The first training session for tutors occurred on February 12 with a follow-up session on February 26 jointly on the web with Kings County participants. Alameda COE CTAP and preintern staff will receive training in ClearPhone in March. Kings County has also proposed to conduct online mentoring in lesson design and classroom management through its regional CTAP tech mentors.

140 web-cameras are in the process of shipping and will be distributed to county offices as they request them.

Goal 2: TLI will present video investigations into classroom practice in the teaching of science.

TLI and Apple are developing a prototype engine to host the resources needed by preinterns including:

- Video classroom practice
- Standards
- Lesson plans
- Classroom management
- Assessment

- Reflection
- Resources
- Step by step instructions for using technology

Five exhibits are in process:

1. science lesson thru Exploratorium
2. lesson on classroom management from Kings COE
3. lesson on language acquisition from LACOE
4. lesson on diversity and multicultural issues/literature thru USF
5. special education video with severely handicapped kindergarteners from Kings COE

Lesson Lab has contracted to do full production of videos from two science classrooms to serve as models of online video cases. Exploratorium staff has identified four experienced classroom science teachers to develop the model lessons. Raw video will be completed by March 20; digitizing and transcribing by April 12; tasks for case study will be constructed by April 15-16; Field test with county offices April 17-May 1. The Video Case Study team will review the four videos and select two for full development and posting on LessonLab with emphasis upon secondary subjects and diverse classroom populations.

Goal 3: 80% of TLI preintern participants will demonstrate competency with selected elements of the states's recently adopted technology standard for teachers.

Toward the end of the first project year, artifacts of select participating preinterns will be gathered and analyzed to determine if they have demonstrated competency in the following Standard 9 elements:

- b. Each candidate analyzes best practices and research findings on the use of technology and designs lessons accordingly.
- c. Each candidate is familiar with basic principles of operation of computer hardware and software, and implements basic troubleshooting techniques for computer systems and related peripheral devices before accessing the appropriate avenue of technical support.
- e. Each candidate interacts with others using email and is familiar with a variety of computer-based collaborative (applications).
- f. Each candidate examines a variety of current educational technologies and uses established selection criteria to evaluate materials, for example multimedia, Internet resources, telecommunications, computer-assisted instruction, and productivity and presentation tools.

Goal 4: 85% of TLI preintern participants will demonstrate the ability to implement a technology enhanced student lesson in the classroom.

Kings County Office of Education will pilot the use of ClearPhone to conduct online mentoring in lesson design and classroom management through its regional CTAP tech mentors. San Joaquin County Office has designed a course structure for technology infusion experiences for pre-interns through the efforts of the TLI coordinators. A website is in development for project dissemination and communication at <http://www.teachinginterchange.org>.

InResonance, another partner, is in the process of creating a pre-intern focused portal database. This portal will draw from existing California resources to index grade-level or subject matter focused lessons, standards, assessments, resources and activities.