The Summer Statistics, Technology, and Teaching program (SummerSTaT) is a working group for secondary math teachers in the state of Utah. This program has been created to develop, implement, and evaluate technology-enhanced resources for teaching statistics. During a 3-day summer workshop and follow-up interactions and meeting, we will combine professional development in statistics and technology with collaboration in the design and testing of teaching resources and will provide support as teachers learn about statistics, experiment with technology, and create materials to address specific instructional needs.

### Integrated Technology Lesson (ITL): a complete, classroom-ready lesson that combines an interactive applet or virtual manipulative with well-defined lesson materials including learning goals, instructional procedures, tasksheets, and test items.

### THE PROGRAM

**June 15-17** at Utah State University. Participants will investigate statistical principles and develop ITLs to facilitate the use of technology to enrich statistics teaching.

**Eligibility:** Utah secondary math teachers – no statistics or technology expertise required.

**Technology Content:** online, interactive applets, statistical features of GeoGebra.

**Statistics topics:** from the Utah Math core curriculum and AP Statistics content based on participants’ needs and interests.

### Workshop session topics include:
- principles of statistics,
- introduction to applets,
- inquiry-based learning,
- appropriate instruction with technology,
- collaborative work,
- preparing to report work through journals, professional meetings.

Each participant will collaborate in the development of at least two ITLs and evaluate at least one of these during the follow-up phase.

**Follow-up (Summer and fall 2010):**
- Participants revise and test materials in classrooms.
- Project leaders visit classrooms to observe implementation of ITLs and to provide support.

Follow-up meeting: **December 4, 2010.** Participants report on experiences and refine materials as needed.

Through the SummerSTaT program, you will participate in the creation of freely available, classroom tested resources for effectively using technology to teach statistics, and will become part of a network of secondary teachers involved in the creation and evaluation of technology-enhanced resources.

For more information, contact Kady Schneiter (Kady.Schneiter@usu.edu) or visit http://www.math.usu.edu/~schneit/SummerSTaT/.
Participants will be encouraged to work with project leaders and colleagues to prepare papers to report their findings to education journals and at professional meetings.

**FINANCIAL SUPPORT**

Participants will receive a $300 stipend for their collaboration in the workshop and an additional $200 for testing the materials, providing feedback, and attending the follow-up meeting. Additionally, travel costs will be reimbursed and meals provided. Lodging will be provided upon request.

**Timetable:**
- April 30 – May 7, 2010: Review of applications
- May 14, 2010: Notification of acceptance
- June 15 – 17, 2010: Workshop at USU.
- June – December 2010: Revision of materials, classroom implementation, follow-up.
- December 4, 2010: Follow-up meeting.

**APPLICATION PROCESS**

Prepare an application letter including the following information:
1. Contact and personal information - Name, address, phone number, email address, school and district.
2. Courses and grade levels that you’re currently teaching.
3. Courses that you anticipate teaching next year.
5. A topic/lesson idea you’d like to work on for an ITL.
6. Reasons for your interest in this workshop and what you hope to get out of it.
7. Statement of commitment to participate in follow-up activities, including the Dec. 4 meeting, if accepted for the workshop.

Send the letter, a resume, and one letter of recommendation from a principal or colleague to:

Kady Schneiter  
Dept. of Mathematics and Statistics  
Utah State University  
3900 Old Main Hill  
Logan, UT 84322

This document is available for download at http://www.math.usu.edu/~schneit/summerStat