



# HSTW Webinar Series

The Mathematics Skills That High School Students Must Master to Be Ready for College and Careers



## Who Should Participate

A team of four to six mathematics teachers should participate from each site, along with the principal and assistant principal or instructional coach who will provide support and follow-up between sessions. Math teachers in each subject area (e.g., calculus, algebra) will focus on a different aspect of the critical mathematics skills.

## Why You Should Participate

Far too many high school students are leaving the 12th grade unprepared for college and careers. To address this problem, SREB's *HSTW* program has identified the mathematics skills that all high school students must master before they graduate in order to be successful in college and careers. A series of eight two-hour Webinars each month from September 2009 through April 2010 will be held to help participating teacher teams learn how to teach and assess these 16 critical skills.

## Objectives

In each two-hour webinar session, a master instructor from SREB will work with the participants to:

- identify at least two critical mathematics skills that students must master.
- learn the most effective teaching strategies to support mastery of the identified skills — including literacy, cooperative learning, use of technology, hands-on predictives, teamwork, and authentic problems and projects.
- develop the assignments and assessments to use in their classrooms before the next webinar.

In addition, participants will learn strategies for working with the other members of their team in support of each other's learning. Participants will be given a pre-work assignment before each session and an assignment to complete after each session.

## Registration Fee (based on school size):

- \$500 per site for schools of up to 300 students
- \$750 per site for schools of 300 to 600 students
- \$1,000 per site for schools of 600 students or more

## Eastern Time — 1 to 3 P.M.

### 2009

September 29  
October 27  
November 30  
December 15

### 2010

January 28  
February 25  
March 24  
April 14

*The fee covers participation in all eight webinars in the series from one call-in. Fee for additional calls: \$100 per telephone per session*

- Session 1:** Using the Language of Mathematics to Explain Thinking Processes and Communicate Solutions
- Session 2:** Techniques for Recognizing Reasonableness; Formulating Conclusions
- Session 3:** Using Technology to Enhance Mathematical Ideas
- Session 4:** Numbers, Integers, Etc.
- Session 5:** Proportional Reasoning, Multi-Step Conversions
- Session 6:** Multiple Data Sources, Equations, Inequalities
- Session 7:** Polynomials, Non-Linear Functions
- Session 8:** Making Effective Use of the Senior Year in Mathematics



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## How to Register:

Please go to our website for registration information:  
<http://www.sreb.org/programs/hstw/professionalDev/profdevindex.asp>

## How it Works

This series will consist of eight two-hour webinars — one each in September, October, November and December 2009 and January, February, March and April 2010. Participants will receive prework before each session and homework after each session. Between sessions, they will apply what they have learned in their classrooms and work with others in their school to implement the strategies. After each two-hour Webinar session, participants will complete their assignment and keep a journal of the successes and challenges they experience.

## Support from SREB

SREB will provide participant materials electronically to the coordinators. Some of the materials will need to be printed and copied prior to each session. The SREB presenter will provide e-mail support and follow-up.

## Professional Development Credit

At each site, the principal or other appropriate administrator must provide continuity and follow-up in order for the workshop to have a positive effect on student achievement. At the conclusion of the last webinar in the series, the coordinator will receive an electronic copy of a certificate of attendance. He or she will print and issue certificates to the participants who fulfilled all the requirements of the series. The certificate can then be submitted to the district or state for professional development credit.

## How To Participate

### 1 Designate a coordinator:

Each participating site should designate a Webinar coordinator to help facilitate participation. The Webinar coordinator will be responsible for setting up the following before each session:

- A convenient meeting space with tables for working and without background noise and interruptions
- A computer with Internet access
- A data projector and screen for viewing the presentation
- A telephone with speaker capability to interact with the presenter

### 2 Receive the Internet link:

Before each session, the coordinator will receive by e-mail a link to the Web site that will serve as the host for the Webinars. During each Webinar session, the participants at each site will interact with the presenter using that link. The coordinator should set up a screen and data projector so participants can view the presentation, which will include PowerPoint slides and video.

### 3 Assign an appropriate location:

The participants should meet in a location that is convenient for conversation and teamwork, such as a conference room, classroom, media center or district training facility. The location should be completely free of background noise, such as bells and announcements, since all participants will be able to hear what is said at every participating site.

### 4 Access the audio call-in line:

A telephone with speaker capability is required in order to call the toll-free line for the Webinar. The telephone is used for audio as opposed to the host website's audio feature in order to maximize team discussion and collaboration at each site. The site coordinator will receive by e-mail the toll-free number to call at the start of each session.



#### Southern Regional Education Board

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