

# Encouraging Girls in Math and Science

Monday, October 25, 2010  
West Virginia University Alumni Center  
Morgantown, West Virginia

## Agenda

- 8:30–9:00 a.m.      **Registration**
- 9:00–9:15 a.m.      **Welcome**  
Dr. Dee Hopkins, Dean, College of Human Resources and Education  
West Virginia University
- 9:15–9:45 a.m.      **Topic Exploration Activity**  
Ms. Lydotta Taylor, President & CEO, The EdVenture Group  
*Participants will form into small groups to examine and discuss national and state data on female student performance in math and science. This activity is focused on dispelling misconceptions and biases regarding female student achievement. Presenter will explain the relevance of What Works Clearinghouse (WWC) Practice Guide to West Virginia Department of Education initiatives and student performance.*
- 9:45–10:00 a.m.      **WWC Resources and Research for Encouraging Girls in Math**  
Ms. Lydotta Taylor  
*Presenter will provide an overview of the WWC Practice Guides, what a practice guide is, how it is created, how it might be used, and the available topics.*
- 10:00–11:00 a.m.      **Keynote Address: *Encouraging Girls in Math and Science***  
Dr. Joshua Aronson, Associate Professor of Applied Psychology,  
New York University  
*The expert will review the recommendations from the practice guide, present the context of how the WWC panel identified and assessed the research as well as how the recommendations can be utilized in local implementations (a 40-minute presentation followed by a 20-minute question-and-answer session with the expert).*
- 11:00–11:15 a.m.      *Break*
- 11:15–12:15 p.m.      **Panel Discussion: The Potential Impact and Effects of Implementation**  
West Virginia Department of Education, Marty Baker (invited)  
University of West Virginia, Jeff Carver or Johna Bolyard (invited)  
Local Education Agency, Classroom Teacher (invited)  
University of West Virginia, female engineering student (invited)  
*Panelists will provide their organizations' perspectives on the potential impact of implementing the WWC practice guide*

*recommendations. These perspectives will reflect the recommendations in relation to their professional points of view.*

12:15–12:30 p.m.

**Panel Discussion Q & A**

*Panelists will answer questions from participants.*

12:30–1:30 p.m.

**Working Lunch: Facilitator-Guided Discussion #1**

*Participants will discuss reactions to the keynote presentation and panel presentations. Discussion will focus on how participants can 1) develop actions steps in their own professional network to implement WWC practice guide recommendations across P-20 and 2) incorporate recommendations into West Virginia State Department of Education policy goals of 21<sup>st</sup> Century Skills, STEM, and other initiatives. Questions and issues arising out of this session will be given to the keynote presenter to address in his concluding remarks. Each group will be facilitated by experienced math and science teachers from throughout the state.*

1:30–2:30 p.m.

**Working Lunch Groups Report & Expert Feedback**

Dr. Dee Hopkins

Dr. Joshua Aronson

*Each discussion group will report on results and conclusions. The expert will provide feedback on conclusions so groups can make adjustments.*

2:30–3:00 p.m.

**REL Appalachia: A regional resource for research engagement**

Ms. Lynn Vasquez, Project Manager, REL Appalachia at CNA

*Presenter will provide a brief overview of the regional lab program and provide participants: 1) additional research related to topic and 2) opportunities to continue further engagement with the topic and continued interaction with Dr. Aronson and other participants through the online learning platform.*

3:00–3:30 p.m.

**Final Reflections and Concluding Remarks (from the expert)**

Dr. Joshua Aronson

*Expert and panel members will answer final questions from participants Expert will provide rationale for taking action on recommendations.*

3:30 p.m.

**Adjourn**