



REL Pacific Presents
Encouraging Girls in Science and Mathematics
Pacific Region, September 28, 2011

Participants' Agenda	
1:00 - 1:10 pm	Registration and welcome participants – Mr. Javier Elizondo
1:10 - 1:15 pm	Purpose of event, introduction of presenters & REL Pacific practitioners – Mr. Javier Elizondo <ul style="list-style-type: none"> ▪ Preview agenda ▪ Introduction to Practice Guide Authors– Dr. Diane Halpern & Ms. Nona Reimer ▪ Introduction of Respondent–Dr. Ethan Allen
1:15 - 1:20 pm	IES Practice Guides & Bridge Events: Contextualizing sound advice <ul style="list-style-type: none"> • Overview of research and evidence contained in practice guide – Dr. Ethan Allen
1:20 - 3:00 pm	Keynote Presentations on Recommendations – Dr. Diane Halpern & Ms. Nona Reimer 1) Teach students that academic abilities are expandable and improvable, 2) Provide prescriptive, informational feedback, 3) Expose girls and young women to female role models who have succeeded in math and science, 4) Create a classroom environment that sparks initial curiosity and fosters long-term interest in math and science, and 5) Provide spatial skills training. For each recommendation, a 15-minute presentation will include two parts: A. Review of the research and levels of evidence – Dr. Diane Halpern B. Practical research-based strategies for implementing recommendations, and potential roadblocks and solutions – Ms. Nona Reimer Immediately following each of the five presentations, a 5-minute Q & A session will involve the audience, presenters, and Regional Context Respondent (Dr. Ethan Allen) in interactive dialogs
3:00 - 3:15 pm	Small Group Activity: Contextualizing Recommendations 1, 2, & 3: Implications for Practice - facilitated by Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen Small Group Discussion Prompts: - Describe one way the recommended strategies align your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - Describe one way the recommended strategies differ from your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - How could each recommendation be applied in your context? Would any require modification? If so how? -What next steps would you take to implement the recommendations in your work? What is the first step - something you could do in the next month? - What specific follow-up support would you require to implement the recommendations?
3:15 - 3:45 pm	Groups present ideas from discussions Feedback and responses – Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen
3:45 - 4:00 pm	Small Group Activity: Contextualizing Recommendations 4 & 5: Implications for Practice - facilitated by Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen Small Group Discussion Prompts: - Describe one way the recommended strategies align your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - Describe one way the recommended strategies differ from your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning.



	<ul style="list-style-type: none">- How could each recommendation be applied in your context? Would any require modification? If so how?-What next steps would you take to implement the recommendations in your work? What is the first step - something you could do in the next month?- What specific follow-up support would you require to implement the recommendations?
4:00 - 4:30 pm	Groups present ideas from discussions Feedback and responses – Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen
4:30 - 4:45pm	Summary and Possible Next Steps – Dr. Ethan Allen and Mr. Javier Elizondo will discuss possible next steps for the SEAs and how REL Pacific can support their efforts to implement the research-based recommendations.
4:45 - 5:00pm	Closing; participant complete Bridge Event rating form – Mr. Javier Elizondo



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Detailed Agenda	
1:00 - 1:10 pm	<p>Registration and welcome participants – Mr. Javier Elizondo</p> <p><u>Objectives include:</u></p> <ol style="list-style-type: none"> 1) Ensuring accurate collection of participant contact information through registration process 2) Dissemination of basic materials for each participant to fully engage in Bridge Event <p><u>Structure:</u> Registration set up at each PREL SC office by REL Pacific staff</p> <p><u>Resources:</u> Disseminate folder with Bridge Event required info including:</p> <ul style="list-style-type: none"> ✓ Registration form ✓ BE Participants Agenda ✓ Bio of speakers ✓ Hard copy of Practice Guide ✓ Hard copy of key note presentations ✓ IES Bridge Event rating form
1:10 - 1:15 pm	<p>Purpose of event, introduction of presenter and REL Pacific practitioners—Mr. Javier Elizondo</p> <ul style="list-style-type: none"> ▪ Introduction to Practice Guide Authors – Dr. Diane Halpern & Ms. Nona Reimer ▪ Introduction of Respondent – Dr. Ethan Allen <p><u>Objectives include:</u></p> <ol style="list-style-type: none"> 1) Introduction of keynote, highlighting presenters' extensive expertise on the topic 2) Introduction of respondent and his expertise on the topic <p><u>Structure:</u> Introduction will presented to the large group via PowerPoint</p> <p><u>Resources:</u> Bios of presenters will be disseminated as resource for participants</p>
1:15 - 1:20 pm	<p>IES Practice Guides & Bridge Events: Contextualizing sound advice</p> <ul style="list-style-type: none"> • Research and evidence contained in practice guide – Dr. Ethan Allen <p><u>Objectives include:</u></p> <ol style="list-style-type: none"> 1) Review the purpose of IES Practice Guides and processes for creating them 2) Describe the process used to determine evidence to support practice guides and how levels of evidence are used to rate recommendations. 3) Highlight the role of Bridge Events in providing context for information <p><u>Structure:</u> Introduction will presented to the large group via PowerPoint</p>
1:20 - 3:00 pm	<p>Keynote Presentations on Recommendations – Dr. Diane Halpern & Ms. Nona Reimer</p> <ol style="list-style-type: none"> 1) Teach students that academic abilities are expandable and improvable, 2) Provide prescriptive, informational feedback, 3) Expose girls and young women to female role models who have succeeded in math and science, 4) Create a classroom environment that sparks initial curiosity and fosters long-term interest in math and science, and 5) Provide spatial skills training. <p>For each recommendation, a 15-minute presentation will include two parts:</p> <ol style="list-style-type: none"> A. Review of the research and levels of evidence – Dr. Diane Halpern B. Practical research-based strategies for implementing recommendations, and potential roadblocks and solutions – Ms. Nona Reimer <p>Immediately following each of the five presentations, a 5-minute Q & A session will</p>

	<p>involve the audience, presenters, and regional context respondent (Dr. Ethan Allen) in interactive dialogs about how the regional contexts may impact the recommendations, implementation strategies, and solutions to roadblocks.</p> <p><u>Objectives for the presentations include:</u></p> <ol style="list-style-type: none"> 1) Detailed explanation for recommendations from the Practice Guide 2) Review of the research supporting each recommendation and their levels of evidence, including limitations of the supporting research for each of the recommendations 3) Provide practical examples for participants about how each recommendation can be implemented 4) Offer detailed examples of roadblocks to implementation of each recommendation and suggestions for how participants can overcome the roadblocks. 5) Discuss contextual impacts on recommendations, implementation strategies, and solutions to roadblocks. <p><u>Structure:</u> This portion of the keynote will be done to the large group via PowerPoint</p> <p><u>Resources:</u> Hard copy of the Practice Guide and copy of the PowerPoint presentation will be disseminated as a resource for participants to use.</p> <p><u>Objectives for the Q&A sessions include:</u></p> <ol style="list-style-type: none"> 1) Provide structured opportunity for participants to dialog with experts and ask specific questions to clarify their understanding of the recommendations and supporting research. 2) Provide structured opportunity for participants to dialog with experts and clarify issues and implications of the implementation strategies and/or solutions to roadblocks. <p><u>Structure:</u> Participants will work in mixed small groups of 3-7 individuals. Groups will discuss the keynote presentations of each recommendation and compile questions. Each small group will select one of its questions to pose to the experts and/or respondent. Presenters and/or respondent will respond to one or two questions in each Q & A session. The remaining questions will be posted in the Webinar chat area for later response by presenters and/or respondent. REL Pacific staff will circulate among groups to provide guidance and ensure they are on task.</p> <p><u>Resources:</u> Groups will be provided access to a laptop in order to record their group questions. Participants can also refer to their copy of the Practice Guide and keynote PowerPoint presentation to support them in formulating questions.</p>
3:00 - 3:15 pm	<p>Small Group Activity: Contextualizing Recommendations 1, 2, & 3: Implications for Practice - facilitated by Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen</p> <p>Small Group Discussion Prompts:</p> <ul style="list-style-type: none"> - Describe one way the recommended strategies align your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - Describe one way the recommended strategies differ from your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - How could each recommendation be applied in your context? Would any require modification? If so how? -What next steps would you take to implement the recommendations in your work? What is the first step - something you could do in the next month? - What specific follow-up support would you require to implement the recommendations? <p><u>Objectives include:</u></p> <ol style="list-style-type: none"> 1) Provide opportunities for participants to dialog and share with each other their current practices in relation to the recommendations from the practice guide 2) Provide opportunities for participants to rethink their existing practice and share specific examples of how they would consider changing their practices based on the research and recommendations from the practice guide 3) Solicit specific follow-up support needs of participants regarding the implementation of



	<p><i>the recommendations from the practice guide</i></p> <p>Structure: Participants will work in SEA teams of 3-7. Groups will be given 30 minutes to discuss the questions. Each group will appoint a recorder to document their discussions. Each small group will then select one key point to share with the experts and larger group. At least one REL Pacific staff will be with each small group to provide guidance and ensure they are on task. All group documents will be collected and reviewed by REL Pacific staff. Follow-up requests in particular will be compiled, vetted, and used to develop follow-up support plans to ensure that participants requests for support are met.</p> <p>Resources: Groups will be provided a laptop in order to record their key points to share with the larger group and the presenter. Participants can also refer to their copy of the practice guide and keynote PowerPoint presentation to support them in their discussions.</p>
<p>3:15 - 3:45 pm</p>	<p>Groups present ideas from discussions Feedback and responses – Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen</p> <p>Objectives include:</p> <p>1) Provide opportunities for small groups to share their current practices, needs, and next steps to larger group and get feedback from experts</p> <p>Structure: Each small group will select one key point based on their discussion of the four questions to share with the expert and the larger group. The experts will then respond to each small group's key points and add additional insight.</p> <p>Resources: Participants share their small group responses documented on Elluminate whiteboard. A microphone will be circulated so all participants can hear the key points from each small group clearly.</p>
<p>3:45 – 4:00 pm</p>	<p>Small Group Activity: Contextualizing Recommendations 4 & 5: Implications for Practice - facilitated by Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen</p> <p>Small Group Discussion Prompts:</p> <ul style="list-style-type: none"> - Describe one way the recommended strategies align your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - Describe one way the recommended strategies differ from your experience of what works in encouraging, engaging, and supporting girls in science and mathematics learning. - How could each recommendation be applied in your context? Would any require modification? If so how? -What next steps would you take to implement the recommendations in your work? What is the first step - something you could do in the next month? - What specific follow-up support would you require to implement the recommendations?
<p>4:00 - 4:30 pm</p>	<p>Groups present ideas from discussions Feedback and responses – Dr. Diane Halpern, Ms. Nona Reimer, & Dr. Ethan Allen</p> <p>Objectives include:</p> <p>1) Provide opportunities for small groups to share their current practices, needs, and next steps to larger group and get feedback from experts</p> <p>Structure: Each small group will select one key point based on their discussion of the four questions to share with the expert and the larger group. The experts will then respond to each small group's key points and add additional insight.</p> <p>Resources: Participants share their small group responses documented on Elluminate whiteboard. A microphone will be circulated so all participants can hear the key points from each small group clearly.</p>



4:30 - 4:45 pm	<p>Summary and Possible Next Steps – Dr. Ethan Allen and Mr. Javier Elizondo will discuss possible next steps for the SEAs and how REL Pacific can support their efforts to implement the research-based recommendations.</p> <p><u>Objectives include:</u></p> <ol style="list-style-type: none">1) Provide overview of the session and summary of the key topics discussed2) Review of possible areas for follow-up support from REL Pacific <p><u>Structure:</u> Introduction will presented to the large group via Elluminate</p> <p><u>Resources:</u> Documents generated during small group activities (questions, key points, and requests for follow-up support) will be referenced.</p>
4:45 - 5:00 pm	<p>Closing; participants complete Bridge Event rating form</p> <p><u>Objectives include:</u></p> <ol style="list-style-type: none">1) Have each participant complete rating form. <p><u>Structure:</u> Participants work individually.</p> <p><u>Resources:</u> IES Bridge Event rating form</p>