

# **STEM Instruction That Works!**

## **Significantly Strengthen Your STEM Program Using Project Based Learning Strategies (Grades K-8)**



**Train your staff members to become skilled trainers who can guide other teachers to help all students increase and strengthen their STEM skills in a Project Based Learning framework**

- The most effective STEM Train-the-Trainer program available
- Featuring two of the nation's top STEM experts, Brad Fulton and Jaime Bailey

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**Boston, MA • November 28 – December 1**

**Hyatt Regency – Cambridge**

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# Innovative, Video-Based, Hands-On, Train-the-Trainer Opportunity



- Turn your staff members into skilled, knowledgeable STEM trainers who can guide other teachers in developing or strengthening your STEM program using Project Based Learning practices
- Learn how to use outstanding video training clips to demonstrate STEM strategies in action ... Receive ALL the video clips for use during training in your own school or district
- Build STEM expertise among your staff to increase highly effective, research-based STEM instructional practices within classrooms, schools and entire districts
- Receive critical information on how to deliver high-quality, engaging and effective training sessions
- Ideal for schools and districts looking to create a core team of trainers to provide training to build and sustain a model, state-of-the-art STEM framework ... Each potential trainer should have experience in STEM instruction
- Ideal for helping educators transform their STEM programs and practices using PBL strategies

## All Participants will receive Comprehensive Training Resources (valued at over \$550!)

- **Best-Selling Professional BER Videos** used throughout the training. DVDs contain the video footage needed for a complete training for your school(s) or district
- **Comprehensive STEM Instruction Handbook** filled with material to reinforce and extend learning
- **Detailed Trainer's Guide** that walks participants through the delivery of the program including a PowerPoint presentation adaptable for immediate use
- **Tips and Strategies** for successful presentations

# What's unique about this National Train-the-Trainer Institute

- **4 Days of intensive training combining classroom-proven strategies and video clips** of the strategies in action – *show* rather than *tell* your teachers what successful STEM instruction looks like in real classrooms and schools



- **National STEM and Project Based Learning experts, Brad Fulton and Jaime Bailey**, will provide a comprehensive, interactive and research-based STEM training preparing participants to guide other teachers in the implementation of successful STEM instruction using Project Based Learning practices
- **Work and collaborate in small groups** with BER instructors to expand and enhance your understanding of STEM strategies
- **Gain numerous tips and ideas** to prepare and deliver high-quality staff training to strengthen and sustain STEM instruction in your school or district
- **Unique and ideal opportunity for schools and districts** to strengthen their foundation, expand their knowledge and implement training for more effective STEM practices and results



## Enjoy all that Boston has to offer!

Nestled between legendary colleges and universities, such as Harvard University, MIT, Boston University and Boston College, Hyatt Regency – Cambridge is situated along the scenic Charles River overlooking Boston and conveniently located within walking distance of Newbury Street shops, the Prudential Center and other downtown Boston attractions, restaurants, shopping, sightseeing, and museums.

The meeting site is just five miles from Boston Logan International Airport and a complimentary shuttle service to and from the airport and nearby attractions is available.

# Learn and Build the Necessary Foundation for Strengthening Your STEM Program

## Tuesday and Wednesday

(8:30 A.M. – 3:15 P.M.)

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- Learn the key components necessary for developing and advancing a highly successful STEM program in grades K-8
- Experience hands-on strategies modeling best practices in STEM instruction while incorporating a Project Based Learning approach
- Identify the most effective, research-based STEM instructional practices and learn how to implement them in your own schools or district
- Discover classroom-proven and teacher-tested STEM activities and Project Based Learning ideas you can take back to use immediately in your classrooms and schools
- Learn the best techniques to create a smooth transition to STEM instruction when you return to your schools or district
- How to develop low-cost or no-cost high-yield activities and projects that will engage and empower your students
- Specific strategies to help teachers integrate STEM with all content areas to increase student learning and develop greater connections across content areas
- Discover best practices for using outstanding video clips to train others
- Put research-based STEM and Project Based Learning strategies into a meaningful context that will build confidence to provide effective, ongoing staff training

## Thursday

(8:30 A.M. – 3:15 P.M.)

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- Break out into separate, smaller groups to learn STEM practices specific for grades K-4 or 5-8
- Focus on STEM and PBL video clips ideal for training staff
- Discover training tips unique to grades K-8 STEM and Project Based Learning

## Friday

(8:30 A.M. – 3:15 P.M.)

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- Participants will deliver brief presentations on STEM strategies using video clips and will receive feedback from the small group BER facilitators
- Practice presentations will provide the perfect opportunity to listen and interact to deepen understanding, familiarity and confidence with the material
- Debriefing of presentations and feedback from the lead instructors will strengthen participants' skills in training
- Participants will leave with a training plan, model video clips and confidence to implement a state-of-the-art STEM training with staff

**Program Schedule: 8:30 A.M. – 3:30 P.M. Daily**

# Innovative, Video-Based, Hands-On, Train-the-Trainer Opportunity

Participants attending will learn the key components for a successful and highly effective STEM program incorporating Project Based Learning, which can then be delivered as a staff development framework that fits the schedule according to each school's or district's unique scheduling and training needs. The following key components are included in this four-day, train-the-trainer institute.

## **Practical Strategies to Develop, Strengthen and Refine Your STEM Program Using Project Based Learning Practices**

- Hands-on, interactive strategies and ideas to most effectively and efficiently use Project Based Learning practices in your STEM instruction in grades K-8
- Learn how to teach your required content standards using STEM practices that will foster deeper learning and understanding while increasing student achievement
- Discover how to help students develop the real-world work skills of collaboration, critical thinking, problem solving, and a growth mindset through STEM instruction
- Learn how to use PBL to engage your most unmotivated and underachieving students
- Highly effective and proven ways to increase students' critical thinking and problem-solving skills ... Ideas that mirror how real professionals solve problems

## **Leave with Ready-for-Classroom STEM Projects: Long-Term and Short-Term Ideas**

- Experience and take away numerous, student-proven and teacher-friendly STEM projects to immediately use in your K-8 schools
- Help your students overcome the paralysis of failure and learn how to grow from their mistakes
- Ways to create STEM lessons that teach a growth mindset where practice and trial-and-error bring success in learning

## **STEM on a Shoestring! How to Develop a Content-Rich STEM Program on a Budget**

- Dozens of ready-to-use ideas and resources to make the most of a limited budget
- How you can design high-impact STEM lessons that are low cost and high interest

## **Highly Effective Training Strategies You Can Use to Train Others**

- Specific training tips and tools to help you become an effective trainer and presenter
- Ideas and resources for organizing, planning and delivering successful training to your staff

## **Video Clips of Teachers in Action to Demonstrate Highly Effective STEM Strategies**

- Outstanding training tips and a resource kit to train others (each participant will receive ALL the video clips needed to implement their training)
- Best practices for using video training clips to train others

# Featuring Two of the Nation's Top Experts on STEM and Project Based Learning



**Brad Fulton** is a highly experienced, current classroom teacher and popular national expert and trainer on incorporating STEM and Project Based Learning into grades K-8 classrooms. Known throughout the country for motivating and engaging teachers and students, he is a frequent STEM and Project Based Learning presenter at conferences and schools and was selected as his state's educator of the year. Brad has co-authored over a dozen books for teachers and is featured in the video series you will receive as a part of this training, *Practical Strategies for Using Project Based Learning to Enhance*

*Your STEM Instruction (Grades K-8)*. Based on his implementation experiences, Brad has a wealth of ideas, projects and strategies to help you start, develop or refine your own STEM program.



**Jaime Bailey** is a dynamic and outstanding national presenter and classroom teacher with years of experience in working with grades K-8 students and teachers. She is an expert in STEM instruction and finding innovative, unique ways to teach students the critical skills they need to succeed. She is passionate about incorporating STEM instruction using Project Based Learning as an amazing way to capture students' natural curiosity while teaching them the STEM skills they need to be successful learners. Drawing from her classroom experiences, Jaime's trainings are filled with

highly effective strategies, ideas and tips you can use immediately to train and support teachers in developing their own STEM instruction.

## Special Benefits of Attending

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### State Specific Credit:

You may be eligible for professional development credit through your state. For state specific information, please visit <http://www.ber.org/seminars/credit/ceus.cfm> or call 1-800-735-3503.

### Earn One to Four Graduate Semester Credits:



Up to four graduate level professional development credits are available with an additional fee and completion of follow-up practicum activities. Details for direct enrollment with Brandman University, part of the Chapman University system, will be available at this BER institute.

### SAVE with Group Discounts

The fee is \$1395 per person. If groups of three or more register at the same time, the fee is \$1295 per person.

**Lunch each day will be on your own,  
providing a great opportunity for networking**

# Boston, MA • Nov. 28– Dec. 1, 2017

## Conveniently Located in Boston!

### Hyatt Regency – Cambridge

575 Memorial Drive • Cambridge, MA 02139 • Ph: (617) 492-1234

- Located just five miles from Boston Logan International Airport. A complimentary shuttle with service to and from the airport and nearby attractions is available.

### Special Rates:

\$129 (single-double) plus tax. Book your overnight accommodations by November 6, 2017 to receive these special rates, based on availability. To make reservations, please call (617) 492-1234 and request the group rate for “BER National Train-the-Trainer: STEM Instruction.”

## STEM INSTRUCTION That Works! (Grades K-8)

### NATIONAL TRAIN-THE-TRAINER INSTITUTE • NOV. 28 – DEC. 1, 2017

PLEASE CHOOSE ONE GRADE LEVEL FOR BREAK OUT SESSIONS:  K-4 *–or–*  5-8

FIRST NAME: \_\_\_\_\_ M.I. \_\_\_\_\_ LAST NAME: \_\_\_\_\_

POSITION \_\_\_\_\_ SUBJECT TAUGHT \_\_\_\_\_ GRADE LEVEL \_\_\_\_\_

SCHOOL NAME: \_\_\_\_\_

SCHOOL MAILING ADDRESS: \_\_\_\_\_

CITY & STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

SCHOOL PHONE NUMBER WITH AREA CODE \_\_\_\_\_ HOME PHONE NUMBER WITH AREA CODE \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

HOME MAILING ADDRESS \_\_\_\_\_

CITY & STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

**IMPORTANT: PRIORITY ID CODE** EVCF8F1

### METHOD OF PAYMENT

The registration fee is **\$1395 per person**; for groups of 3 or more the fee is \$1295 per person.  
Payment is due prior to the program. No cash please.

A check (payable to **Bureau of Education & Research**)  P.O. # \_\_\_\_\_  
(Please include priority ID code on the P.O.)

MasterCard  VISA  Discover Account # \_\_\_\_\_ Exp. Date: \_\_\_\_\_  
MO/YR

Please print name as it appears on card \_\_\_\_\_ Signature (required for credit card purchases) \_\_\_\_\_

**CONFIRMATION #** (If you are confirming a previous registration) \_\_\_\_\_

### FOUR EASY WAYS TO CONTACT US:

 **PHONE toll-free:**  
**1-800-735-3503**  
(Weekdays 6 a.m. – 5 p.m.  
Pacific Time)

 **FAX this**  
**FORM to:**  
**1-425-453-1134**

 **MAIL this form to:**  
**Bureau of Education & Research**  
915 118th Avenue SE • PO Box 96068  
Bellevue, WA 98009-9668

 **REGISTER ONLINE at:**  
**www.ber.org**

### CANCELLATIONS/SUBSTITUTIONS

100% of your paid registration fee will be refunded if you can't attend and notify us at least 10 days before the institute. Late cancellations can exchange for a certificate to attend another program or will be refunded less a \$35 service fee. Substitutions may be made anytime without charge.