Bureau of Education & Research

Significantly Strengthen Your STEM Instruction Using Project Based Learning (Grades K-6)



A Unique One-Day Seminar Presented by

Brad Fulton

Outstanding Teacher, Author and National Presenter

Practical, easy and engaging strategies to enhance STEM instruction through a project based learning approach

Proven strategies and creative ways for using project based learning focused on STEM-related skills including team building, problem solving, collaborative work, and planning projects

How to implement a rich STEM program on a limited budget … **Discover dozens of ideas for using low- or no-cost materials**

Receive an extensive resource handbook filled with a wealth of ready-to-use ideas, projects, resources, strategies, and tips to successfully use project based learning in your grades K-6 STEM instruction

Massachusetts
Boston (Natick) – **October 28**

New Hampshire
Manchester – October 30

New York
Albany (Troy) – **October 31**
Long Island (Holtsville) – **November 1**

Rhode Island
Providence (Warwick) – **October 29**

CEUs and Graduate Credits Available
See page 6 for details

"Fabulous ideas and suggestions, great materials and handouts, and a very engaging presenter!"

– CRYSTAL REYNAGA, TEACHER

Ten Key Benefits of Attending

"I thoroughly enjoyed this seminar. I am leaving with activities and ideas that I can use in my classroom tomorrow!"

– FAIZA SEEDAT,
4TH GRADE TEACHER

Who Should Attend

Grades K-6 Classroom Teachers, Instructional Coaches, Science Specialists, Technology Integration Specialists, Mathematics Specialists, Instructional Assistants, and Administrators

1. **Learn From a Practicing STEM and Project Based Learning Instructor**
   Learn from a highly successful and experienced teacher who has been using project based learning to teach STEM skills and concepts … Find out what really works with real students!

2. **Practical Strategies for Using Project Based Learning to Enhance Your STEM Instruction**
   Strategies and ideas to most effectively and efficiently use project based learning to incorporate STEM instruction across the content areas in grades K-6 … All in a hands-on, interactive seminar

3. **STEM on a Shoestring! How to Save Thousands of Dollars on a Rich, Project Based Curriculum**
   How to implement a content-rich program and projects on a limited budget … You won't want to miss these ideas and resources to make the most of what you have available

4. **Design Project Based Instruction to Tap into Students' Most Powerful Modes of Learning**
   Design STEM projects using what we know about how the brain best learns and processes information … Discover how to get the best effort and work from your students

5. **Significantly Increase Student Motivation and Achievement in STEM**
   Innovative strategies to empower students by launching engaging projects that fully involve them in the learning process … Get students working together in productive ways

6. **Walk Away with Ready-for-Classroom-Use STEM Projects**
   You will leave with projects that you'll want to use with your students right away … All have been student-proven and teacher-tested

7. **Engage Your Most Unmotivated, Disenchanted Students**
   Discover how to use project based learning to grab the attention of your unmotivated, underachieving students … Tap into real-world and relevant issues that will grab your students' attention and follow-up with activities to keep them engaged … Strategies that work!

8. **Learn Effective Ways to Use Student-Centered Inquiry for STEM**
   Increase students' critical and high-level thinking skills through project based learning that strengthens their critical thinking and problem-solving skills … Ideas that mirror how real professionals solve problems

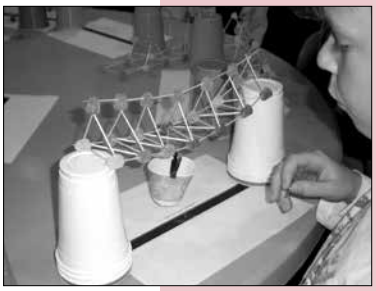
9. **Teach Your Students a Growth Mindset**
   Help your students overcome the paralysis of failure and learn how to grow from their mistakes … Create a classroom environment where practice brings success and everyone can achieve

10. **Receive an Extensive STEM and Project Based Learning Resource Handbook**
    Each participant will receive a comprehensive resource handbook that contains ready-to-use strategies, detailed instructions, activity masters, material lists, web resources, and projects … You will have everything you need to implement powerful, engaging and fun activities in your own grades K-6 classroom!

Outstanding Strategies You Can Use Immediately

Practical Ideas and Strategies

- **Practical, research-based strategies** to enhance STEM instruction using project based learning in your K-6 classrooms
- Learn **easy, engaging and inexpensive ways to implement STEM** with ready-to-teach project based learning activities
- Step-by-step techniques for creating STEM lessons to **effectively teach rigorous thinking and problem-solving skills**
- How STEM and project based learning can help you **differentiate your instruction**
- Design STEM lessons that are **low-cost and high-interest**
- **Discover great team-building strategies** that will help your students connect with the content and with each other
- **Create more effective student groups** that work collaboratively
- Learn where to find **quick, low-cost and easy resources and ideas for STEM** and project based learning
- Practical strategies to integrate the different content areas you already teach into **cohesive instructional lessons, projects and units**
- **Foster so much excitement** in your classroom that your students can't wait to tell their parents what they did in school today!
- **Watch your students dive into hands-on instruction** and unleash their most creative thinking
- Help your students **overcome "risk aversion" and "failure paralysis"**



'Awesome seminar! I learned valuable techniques and lessons that are so inexpensive to replicate!'

– JACQUELYNN CERBIN, TEACHER

Practical Ideas and Strategies

If you are interested in strengthening your STEM program and implementing STEM projects using project based learning in your grades K-6 classroom, this seminar will send you speeding down the right track! **Brad Fulton**, highly experienced STEM and PBL instructor, will share simple, yet highly successful "STEM on shoestring" projects that are high-interest, rich in content, yet low in cost. He will bring best-of-the-best, student-approved and classroom-tested lessons, strategies, and ready-to-use projects and activities. In this hands-on, interactive day, you will learn how to incorporate projects so engaging that your students will beg for more! Plus, you'll have the satisfaction of knowing that you are preparing them to be successful in school and beyond in science, technology, engineering, and math-related classes. You will experience relevant, real-world studies of color, sound, electricity, prosthetics, and more! You will also gain numerous, creative ways to enable students to use their content knowledge to discuss, explore, collaborate, and solve relevant, real-world problems. Don't miss this fast-paced day of opportunity to learn more about how to use project based learning to enhance and strengthen your STEM instruction!

A Message From Seminar Leader, Brad Fulton

Uniquely Qualified Instructor

BRAD FULTON is a highly experienced and current classroom teacher using project based learning in his STEM instruction. Known throughout the country for motivating and engaging teachers and students, he is a frequent presenter at conferences and schools across the nation and was selected as his state's educator of the year. Brad is excited to share his ideas and strategies for greatly enhancing your own STEM instruction in this hands-on, fast-paced day where you will gain dozens of ideas you can use immediately! He has co-authored over a dozen books that provide easy-to-teach and content-rich activities for busy teachers, including *Significantly Strengthen Your STEM Instruction Using Project Based Learning (K-6)*, the extensive resource handbook you will receive at the seminar.

You won't want to miss this day with Brad to discover how you can more successfully implement STEM using project based learning and watch your students increase their achievement, motivation and problem-solving skills in grades K-6!

Dear Colleague:

When my school transitioned to a STEM model, it was like getting a fresh start in teaching! I can't wait to get to my classroom each day and my students love the projects they get to do. I am excited to share my enthusiasm with you! I plan to give you all my ideas, strategies, projects, and tips so you can enhance and strengthen your own STEM instruction using project based learning. Don't worry, my school had no STEM grant money, but we made it a successful program. I will show you my best ideas that are low in cost and high in return.

During the seminar, you will learn classroom-proven strategies, detailed instructions for projects and activities, web resources, research tips, and how to group and engage students in collaborative problem solving. I will cover the how-tos of project based learning and how it fits perfectly with STEM related skills and concepts. At the end of the day, I promise:

- You'll walk out with ready-to-use projects in hand
- You'll learn how I saved thousands of dollars while implementing a rich project based curriculum
- You'll learn how to reach students who have checked out of traditional instruction
- You'll know how to integrate science, technology, engineering, and math into cohesive units students will love
- I'll give you my best team-building strategies that not only help students foster important cooperative skills, but help them connect with the content at the same time

Project based learning and STEM activities help students prepare for tomorrow's world. STEM careers are the fastest growing segment in the job market. I'm happy knowing that our students are not only actively excited about learning, but that they are also gaining some of the most valuable skills they will need to succeed in school and beyond. I can't wait to share with you what I have found works! We will have so much fun that you will want to race back to your classroom to get started!

Sincerely,

Brad Fulton

Brad Fulton

P.S. Be prepared to take back **practical strategies and ideas you can use immediately** to increase the effectiveness of your STEM instruction.

"...you will learn classroom-proven strategies, detailed instructions for projects and activities, web resources, research tips, and how to group and engage students in collaborative problem solving."

What Your Colleagues Say About Brad Fulton

"Brad shared how to take science out of the textbook and put it into students' hands. ***Fantastic!****"*

Ryan Hagen, Teacher

*"****Brad is helpful and funny.*** *I have so many wonderful ideas that I can use in my classroom, and I am excited to incorporate the hands-on projects into my lessons!"*

Megan Wood, 3rd Grade Teacher

"I learned a lot of ***valuable STEM ideas that are immediately useful****. Brad kept my attention the entire time!"*

Alfonso Garcia, Teacher

"This seminar was the ***perfect kick-off for implementing STEM*** *at every grade level. Thank you for the extensive resources!"*

Joanne Harabedian, Principal

"This was a great seminar that ***touched on so many important areas of the curriculum****. I feel more prepared as I continue to implement STEM activities in newer (and less expensive) ways. Thank you!"*

Melissa Cash, 4th Grade Teacher

*"****Incredible content!*** *I truly appreciate Brad sharing how his lessons could reach across multiple grade levels. He's such an enthusiastic presenter and it's clear he loves his job. I'm looking forward to trying the activities in my classroom!"*

Karen Littlefield, Kindergarten Teacher

"What a breath of fresh air! ***Brad is an inspiring teacher****. I can hardly wait to implement STEM in my classroom!"*

Jennifer Jukic, Teacher

*"****Brad is an awesome presenter****. He provided hands-on activities and materials that I will be able to take back to my classroom and use right away."*

– Kathleen Shambaugh, 3rd Grade Teacher

*"****Brad is extremely knowledgeable.*** *He made my first seminar very enjoyable. I am excited to bring STEM into my classroom!"*

– Amy Bright, Teacher

Special Benefits of Attending

Online Learning

BER offers educators a wide range of online courses that are affordable, fun, fast, and convenient. BER is now offering On Demand Video-Based courses. You may earn optional graduate-level credits for most courses. See the catalog of available courses at www.ber.org/online

On-Site Training

Most BER seminars can be brought to your school or district. See the options at www.ber.org/onsite or call 877-857-8964 to speak to one of our On-Site Training Consultants.

Extensive Resource Handbook

Each participant will receive an extensive resource handbook specifically designed for this seminar. The handbook includes:

- Rich sources of ideas to develop STEM projects of your own
- Ready-to-use, classroom-proven STEM and project based learning strategies and projects
- Detailed instructions, activity masters, materials lists, web resources, and research tips
- Team-building strategies to help your students connect with the content and with each other
- Everything you need to know to start implementing powerful, engaging and fun STEM activities

Meet and Share

This seminar provides a wonderful opportunity for participants to meet and share ideas with other educators interested in practical strategies to enhance their STEM programs using project based learning.

Meet Inservice Requirements / Earn State CEUs

Participants will receive a certificate of participation that may be used to verify continuing education hours.

CEUs Available

Massachusetts

Contact Hours Verification Available; CT Five (5) Contact Hours Available with Prior District Approval; RI Five (5) Contact Hours Available

New Hampshire

NH Clock Hours Verification Available; For MA, Contact Hours Verification Available

New York

5 NY CTLE Hours Available; NJ Professional Development Hours Available with Prior District Approval in Long Island

Rhode Island

RI Five (5) Contact Hours Available; CT Five (5) Contact Hours Available with Prior District Approval; For MA, Contact Hours Verification Available

Earn One to Four Graduate Semester Credits

BRANDMAN University
CHAPMAN UNIVERSITY SYSTEM

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 program.

Can't Attend?

Other Professional Development Options:

Related Online Courses

Two related On Demand Video-Based Online Learning courses, *Practical Strategies for Using Project Based Learning to Enhance Your STEM Instruction,* for Grades K-8, and *Best Strategies to Help Your Students Achieve the NEXT GENERATION SCIENCE STANDARDS*, for Grades K-6, are available for immediate registration. To enroll, visit www.ber.org/online

Significantly Strengthen Your STEM Instruction Using Project Based Learning (Grades K-6)

Registration (CSF0F1)

- ☐ **1. Albany** (Troy)**, NY** – October 31, 2019
- ☐ **2. Boston** (Natick)**, MA** – October 28, 2019
- ☐ **3. Long Island** (Holtsville)**, NY** – November 1, 2019
- ☐ **4. Manchester, NH** – October 30, 2019
- ☐ **5. Providence** (Warwick)**, RI** – October 29, 2019

FIRST NAME M.I. LAST NAME

POSITION, SUBJECT TAUGHT GRADE LEVEL

SEMINAR LOCATION NUMBER: _____ (Please see list above)

List additional registrants on a copy of this form

SCHOOL NAME

SCHOOL MAILING ADDRESS

CITY & STATE ZIP CODE

SCHOOL PHONE NUMBER HOME PHONE NUMBER

( ) ( )

Registration confirmations are sent via e-mail.
If you would like a confirmation, please provide your e-mail address.

E-MAIL ADDRESS

HOME MAILING ADDRESS

CITY & STATE ZIP CODE

IMPORTANT: PRIORITY ID CODE: ECSF0F1

METHOD OF PAYMENT – Team Discount Available

The registration fee is $279 per person,
for teams of three or more registering at the same time, the fee is $259 per person. **Payment is due prior to the program.** No cash please.

☐ A check (payable to **Bureau of Education & Research**) is attached

☐ A purchase order is attached, P.O. #_____
(Be sure to include priority ID code on the P.O.)

☐ Charge my: ☐ MasterCard ☐ VISA ☐ Discover

Account # _____ Exp. Date: _____
MO/YR

Billing Zip Code: _____ 3 Digit CVV Code: _____
(Found on back of card)

_____ /
Please print name as it appears on card Signature (required for credit card purchases)

FOUR EASY WAYS TO REGISTER:

REGISTER ONLINE at: www.ber.org

FAX this form to: 1-425-453-1134

PHONE toll-free: 1-800-735-3503 (Weekdays 6 am - 5 pm Pacific Time)

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

Program Hours

All seminars are scheduled 8:30 a.m. - 3:15 p.m.
Check-in 8:00 a.m. - 8:30 a.m.

Fee

The registration fee is $279 per person, $259 per person for groups of three or more registering at the same time. Call us at 1-800-735-3503 for groups of ten or more. **Payment is due prior to the program.** No cash please. Fee includes seminar registration, morning coffee and tea, a personalized certificate of participation, and an extensive resource handbook.

Meeting Sites and Hotel Accommodations

Seminars will be held at the following sites:

- Albany: Hilton Garden Inn – Troy, (518) 272-1700
- Boston: Hampton Inn – Natick, (508) 653-5000
- Long Island: Ramada Plaza – Holtsville, (631) 758-2900
- Manchester: Courtyard by Marriott, (603) 641-4900
- Providence: Hilton Garden Inn – Airport, (401) 734-9600

If needed, please make your own hotel reservations by calling the appropriate hotel listed above.

Cancellation/Substitutions:

100% of your paid registration fee will be refunded if you can't attend and notify us at least 10 days before the conference. Late cancellations will be refunded less a $15 service fee. Substitutions may be made at any time without charge.

Program Guarantee

We stand behind the high quality of our programs by providing the following unconditional guarantee: If you are not satisfied with this program, we'll give you a 100% refund of your registration fee.

Further Questions

Call the Bureau of Education & Research (800) 735-3503 or visit us online at **www.ber.org**. The Bureau is North America's leading presenter of seminar training for professional educators. Programs are based on sound research, are highly practical in content and consistently receive excellent evaluations.

CSF0F1

Significantly Strengthen Your STEM Instruction Using Project Based Learning (Grades K-6)

Best Practices to Strengthen STEM Learning in Your Classroom

A Unique One-Day Seminar

Coming to a Location Near You

CSF0F1

BUREAU OF EDUCATION & RESEARCH
915 118th Avenue SE
PO Box 96068
Bellevue, WA 98009-9668
www.ber.org

Enhance Your STEM Instruction Using Project Based Learning (Grades K-6)

Bureau of Education & Research

Significantly Strengthen Your STEM Instruction Using Project Based Learning (Grades K-6)

A Unique One-Day Seminar Coming to a Location Near You

Presented by

Brad Fulton

Outstanding Educator and National Presenter

Practical, easy and engaging strategies to enhance STEM instruction through a project based learning approach

Proven strategies and creative ways for using project based learning focused on STEM-related skills including team building, problem solving, collaborative work, and planning projects

How to implement a rich STEM program on a limited budget …
Discover dozens of ideas for using low- or no-cost materials

Receive an extensive resource handbook filled with a wealth of ready-to-use ideas, projects, resources, strategies, and tips to successfully use project based learning in your grades K-6 STEM instruction