

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



Seminar Presented by **JAIME BAILEY**
Outstanding Teacher and National Presenter

Specifically Designed for Educators Serving Grades K-6: Classroom Teachers, Instructional Coaches, Science Specialists, Technology Integration Specialists, Mathematics Specialists, Instructional Assistants, and Administrators

- **Step-by-step techniques** for creating engaging projects that fully motivate and engage students in science, technology, engineering, and mathematics
- **Dozens of free, powerful websites, apps and innovations** that are shaping the future of effective STEM instruction and are essential elements of project based learning
- **Proven strategies and innovative ways** for using outstanding projects to focus on STEM-related skills including problem solving, working collaboratively, research, and planning and executing a design process
- Receive both an extensive resource handbook and access to Jaime's website filled with a **wealth of resources, strategies and ready-to-use tips** for successfully using project based learning to enhance STEM instruction in your classroom

2018 SCHEDULE

Illinois

Chicago North – November 1
(Elk Grove Village)

Chicago South – November 2
(Burr Ridge)

5 IL PD Clock Hours Available

Maryland

Baltimore – October 29
(Hunt Valley)

Contact Hours Verification Available

Virginia

Northern Virginia – October 30
(Springfield)

Richmond – October 31
(Sandston)

VA Renewal Points Available

*You are welcome to bring
a fully charged laptop.
It is not, however,
a requirement to attend
this seminar.*

Practical Strategies

In this highly engaging, interactive seminar, you will learn innovative ways to use project based learning to fully motivate your students in learning about science, technology, engineering, and mathematics. During this fast-paced seminar, **Jaime Bailey**, an outstanding teacher and national seminar leader, will show you how to create stimulating projects that fully involve your students in STEM learning. You will be introduced to dozens of new tools and proven strategies for infusing technology into exciting projects that will bring your STEM instruction alive. Throughout the day the emphasis will be on the most effective ways to use project based learning to help your students master the content skills of science, technology, engineering, and mathematics. You will see proven strategies for managing projects, encouraging student collaboration, enabling students to become more involved in critical thinking, and unleashing their energy to solve problems relative to your STEM curriculum. Whether you are a beginning teacher or a seasoned educator, you will leave this dynamic, new seminar with clear insights and practical strategies for your K-6 classroom. Come and discover exciting ways to expand the STEM world to your students and then watch their motivation and enthusiasm soar!



Ten Key Benefits of Attending

- 1. Discover the Key Ways to Use Project Based Learning to Teach STEM**
Learn essential techniques for using outstanding projects to enhance your STEM instruction ... Tips, tools and innovative ways to fully engage your students
- 2. Find and Create Outstanding Projects to Strengthen Students' STEM Skills**
Discover a wealth of project based learning ideas that are currently available for teaching STEM skills ... See how to build on other teachers' ideas to more easily create projects that meet the needs of your own students
- 3. Significantly Increase Student Motivation and Achievement in STEM**
Learn new ways to empower students by launching engaging projects that fully involve them in learning about science, technology, engineering, and mathematics ... Practical suggestions for using project based learning to spur active participation
- 4. Tap into Free and Low-Cost Technology for STEM Projects**
Explore a wealth of internet resources, apps and tools that you and your students can use for project based learning that focus on STEM ... Support student learning with highly respected NASA, NSF and Buck Institute resources
- 5. Integrate the NGSS Cross-Cutting Concepts and Practices into Your STEM Units**
Discover student-friendly ways to implement the cross-cutting concepts and the NGSS practices into your STEM lessons ... Make sense of how all the pieces can easily fit together
- 6. Use These Timesaving Tips for Assessing STEM Achievement**
Here's how to use technology to integrate assessment into the STEM focused projects your students are doing ... Receive real-time, useful, formative feedback without your students even knowing they're being assessed
- 7. Engage Your Students in Student-Centered Inquiry for STEM**
Learn effective ways to launch your students into motivating project based learning that strengthens their critical thinking skills ... Discover activities that mirror how real professionals solve problems and collaborate
- 8. Create Projects with "Real World" Impact and Relevancy**
See how to set up manageable, real-world projects related to science, technology, engineering, and mathematics ... Ideas, templates and dozens of valuable resources to fully involve students in problems that relate to their lives
- 9. Help Your Students Gain Impressive Presentation Skills**
Tired of seeing the same old tools used to present projects and reports? Explore creative, highly effective ways for your students to present their STEM-based projects and demonstrate their content mastery
- 10. Extend Learning Far Beyond the Walls of Your Classroom**
Take advantage of the best virtual fieldtrips and amazing explorations that are easily accessible through simple technology ... See numerous interactive websites where students can control variables, predict outcomes and check their predictions

Outstanding Strategies You Can Use Immediately

- **Dozens of practical tips, resources and tools** for using project based learning to enhance your STEM instruction
- **Techniques to empower students** with engaging projects that fully involve them in learning science, technology, engineering, and mathematics
- Where to find and how to create powerful projects that **strengthen students' STEM skills**
- How to **tap into free and low-cost technology** for STEM projects
- Discover engaging and practical **strategies to integrate the NGSS cross-cutting concepts** and practices into your STEM units
- **Timesaving tips** for using technology to assess your students' progress on STEM-focused projects
- **Proven strategies to fully engage your students** in learning valuable STEM skills, like problem solving and collaborating with peers
- Tips and techniques for creating **projects with real-world impact and relevancy**
- **Creative, highly effective ideas** for your students to present their STEM-based projects to a variety of audiences
- How to access **amazing STEM resources** that captivate student interest in science, technology, engineering, and mathematics
- **Practical tips and tools** for meeting the diverse range of learning needs in your classroom without spending hours planning and grading
- **Ideas for developing rubrics for STEM projects** that help students self-reflect and improve the quality of their work
- Proven techniques to **incorporate research skills into projects** to meet your curricular standards
- Successful strategies for **teaching students to evaluate multiple resources** to support their project findings
- Specific ways to **increase the level of success for every student** in your classroom
- **A wealth of ideas and ready-to-use tools** for using project based learning to make your STEM instruction come alive!

“Great tools, strategies and ideas! I'll be able to use them immediately in my own classroom!”

– JILL HAMMACK, 3RD GRADE TEACHER



To Register,
Call Toll-Free

1-800-735-3503

A Message From Seminar Leader, Jaime Bailey



Bureau of Education & Research

915 118th Avenue SE • PO Box 96068 • Bellevue, WA 98009-9668
Phone (800) 735-3503 • Fax (425) 453-1134 • www.ber.org

Dear Colleague:

My experience as an elementary teacher from kindergarten to sixth grade has highlighted my passion for providing students with highly engaging student-driven learning experiences. Today we are challenged to prepare our students for college and work readiness experiences that incorporate the skills and concepts included in STEM instruction. I have found that starting with highly motivating project based learning that builds on students' natural curiosity is the bridge to their future achievement.

I strongly believe that science, technology, engineering, and mathematics are the gateways to critical thinking and developing the conceptual skills students need to understand the world around them. These skills, combined with the ability to problem solve, work collaboratively, conduct research, and be involved in planning and executing a design process are considered the foundation to innovation that is needed for our students' future success. These are exactly the skills students are learning as they participate in STEM-focused projects.

Most importantly, teaching STEM topics introduces students to a fascinating world they are eager to discover. I have seen students come alive when they can virtually dissect organisms, when they can take an active part in designing new structures, or when they are given opportunities to use exciting new technology resources to solve real-world problems that are relevant to their lives. My students are amazed by STEM projects and they are always eager to learn more.

This seminar is focused on sharing outstanding techniques for using project based learning to fully motivate your students in learning about science, technology, engineering, and mathematics. You will discover valuable teaching strategies, timesaving tips and practical ways for students to self-monitor their learning, plus amazing resources and tools you can easily integrate into your STEM instruction. All of these ideas are specifically geared to strengthen your current STEM curriculum.

I am looking forward to meeting you at the seminar. This will be an active, fast-paced day, filled with demonstrations, activities, resources, and practical, classroom-proven strategies for using project based learning to teach STEM.

Sincerely,

Jaime Bailey

P.S. I know how valuable your time is, so I have planned this day to be **filled with practical and easy-to-implement tips** for you to take back and use the next day in your classroom. Oh, and I guarantee we will have lots of FUN!

“ You will discover valuable teaching strategies, timesaving tips and practical ways for students to self-monitor their learning, plus amazing resources and tools you can easily integrate into your STEM instruction.”

What Your Colleagues Say About Jaime Bailey

“Fast-paced day with lots of useful, practical information. I have a better understanding of PBL and great strategies for PBL/STEM integration. Thank you!”

– Jeff Funk, 5th Grade Teacher

“Excellent! I’ve been to many trainings, but I have received more take-away ideas in this seminar than I have from all other seminars combined. Thank you!”

– Wendy Hawkins-Pinto, 3rd Grade Teacher

“Thank you for an engaging seminar! The day flew by and I am leaving with many ideas to use tomorrow.”

– Julie Phillips, 4th Grade Teacher

“I have a renewed energy for PBL and new understanding of STEM that will improve my students’ learning and my own enjoyment of teaching. I am also leaving with several formative assessment ideas to easily implement tomorrow.”

– Dawn Shinn, 3rd Grade Teacher

“Jaime Bailey is an engaging presenter and shared excellent tools and strategies to use right away!”

– Angeline Ross, Principal

“Very worthwhile! Many ideas for PBL and STEM! A great wealth of ideas for classroom management and technology resources.”

– Peggy Burg, Technology Teacher

“Awesome, usable ideas, reminders and tricks for someone who has been teaching in STEM schools for a long time. Thank you!”

– Camey Kanina, Kindergarten Teacher

“The content and strategies will have an immediate, positive impact on my students and instruction.”

– Nick Kish, 5th Grade Teacher

Uniquely Qualified Instructor

JAIME BAILEY is an outstanding presenter and a superb teacher. Her background includes extensive teaching experience in grades K-6 and special education. She has served as a classroom teacher and as a literacy and technology specialist. But her heart – as well as her expertise – lies in finding innovative, unique ways to teach students the critical skills they need to succeed. She is passionate about using project based learning as an amazing tool to capture students’ natural curiosity in STEM instruction. Jaime is noted for the practicality of her presentations and her focus on what works best for teachers. She is a highly effective presenter whose excitement about using project based learning to teach STEM concepts is contagious. Her objective in every seminar is to provide hands-on, ready-to-use strategies and tools that can be used immediately in all school settings. She is the author of *Using Project Based Learning to Enhance Your STEM Instruction (Grades K-6)*, the extensive resource handbook each participant will receive at the seminar. Spending the day with Jaime is a rich opportunity filled with practical, creative and ready-to-use strategies and ideas, all perfect for using project based learning as part of your STEM instruction. Join her for a day filled with humor, fun and a wealth of information that will boost your approach to teaching science, technology, engineering, and mathematics.



Special Benefits of Attending



Who Should Attend

Educators Who Teach Grades K-6: Classroom Teachers, Instructional Coaches, Science Specialists, Technology Integration Specialists, Mathematics Specialists, Instructional Assistants, and Administrators.

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.

Can't Attend?

Other Professional Development Options:

Related Online Course

A related On Demand Video-Based Online Learning course, *Practical Strategies for Using Project-Based Learning to Enhance Your STEM Instruction*, for Grades K-8, is available for immediate registration. To enroll, visit www.ber.org/onlinelearning

Extensive Resource Handbook

Each participant will receive an extensive resource handbook and access to Jaime's website specifically designed for this seminar. The handbook includes:

- Step-by-step strategies for successfully using project based learning to enhance your STEM instruction in grades K-6
- A wealth of innovative, engaging, easily accessible apps and outstanding tech tools to fully support STEM instruction and project based learning
- Practical ideas for accessing powerful websites and proven innovations that are shaping the future of effective STEM learning, helping your students meet rigorous content and practice standards
- Timesaving tips, strategies and tools to meet the needs of all your students in science, technology, engineering, and mathematics
- Unlimited access to Jaime's award-winning website with a wealth of outstanding resources and ideas for using project based learning to enhance STEM instruction in your classroom

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

RESOURCE HANDBOOK

by Jaime Bailey



Bureau of Education & Research

Make the Best Use of Your Time

Our goal is to make the best use of your time during the seminar while providing you with the greatest variety of practical technology applications for your classroom. To accomplish this goal, we use a large screen multimedia projection system to demonstrate specific applications, digital tools and online resources throughout the day, rather than individual devices. **You are welcome to bring a fully charged laptop, but it is not a requirement to attend.** Your resource handbook will provide you with project ideas and online resources to support additional hands-on exploration after this seminar.

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 program.

Meet Inservice Requirements

At the end of the program, each attendee will receive a certificate of participation that may be used to verify hours of participation in meeting continuing education requirements.



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Registration (CSB9F1)

- 1. **Baltimore** (Hunt Valley), **MD** – October 29, 2018
- 2. **Chicago North** (Elk Grove Village), **IL** – November 1, 2018
- 3. **Chicago South** (Burr Ridge), **IL** – November 2, 2018
- 4. **Northern Virginia** (Springfield), **VA** – October 30, 2018
- 5. **Richmond** (Sandston), **VA** – October 31, 2018

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 ECSB9F1

METHOD OF PAYMENT – Group Discount Available

The registration fee is \$269 per person, for groups of three or more registering at the same time, the fee is \$249 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 - 6 pm Pacific Time)

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

PRE-REGISTRATION REQUIRED DUE TO LIMITED ENROLLMENT

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 \$269 per person, \$249 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:

- Baltimore: Embassy Suites – Hunt Valley, (410) 584-1400
- Chicago North: Holiday Inn – Elk Grove Village, (847) 437-6010
- Chicago South: Crowne Plaza – Burr Ridge, (630) 325-2900
- Northern Virginia: Hilton – Springfield, (703) 971-8900
- Richmond: Holiday Inn – Airport, (804) 236-1111

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

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 seminar. Late cancellations can exchange for a certificate to attend another seminar or will be refunded less a \$15 service fee. Substitutions may be made anytime without charge.

Further Questions

Call the Bureau of Education & Research (800) 735-3503 or visit us online at www.ber.org

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.



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

- **Best Practices to Strengthen Your STEM Instruction**
- **A Unique One-Day Seminar**
- **Coming to a Location Near You**

CSB9F1

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



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

Step-by-step techniques for creating engaging projects that motivate and engage students in science, technology, engineering, and mathematics

Dozens of free, powerful websites, apps and innovations that are shaping the future of effective STEM instruction

Proven strategies and innovative ways for using outstanding projects to focus on STEM-related skills

Receive both an extensive resource handbook and access to Jaime's website filled with a **wealth of resources, strategies and ready-to-use tips**



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