

# Best Strategies to Help Your Students Achieve the ***NEXT GENERATION SCIENCE STANDARDS*** (Grades K-6)



A Unique One-Day Seminar Presented by

**Marjorie Porter**

Outstanding Science Teacher, NGSS and STEM Educator  
and National Presenter

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

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Practical and timesaving strategies to **successfully incorporate the  
*NEXT GENERATION SCIENCE STANDARDS (NGSS)*** into your daily instruction  
without spending hours of extra planning time

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**Resources, lessons and ideas that will strengthen and encourage creativity  
and innovation** while addressing the NGSS and other content areas you teach

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Exciting ways to **integrate science inquiry, content and process into what you are  
already teaching**

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**Easy-to-follow strategies** for incorporating NGSS-anchored STEM activities into  
daily lessons

## California

Anaheim – December 6

Fresno – December 4

Pasadena – December 5  
(Arcadia)

Sacramento – December 3  
(Elk Grove)

## Hawaii

Honolulu – December 7

## Kansas

Wichita – January 8

## Missouri

Kansas City – January 9  
(Independence)

St. Louis – January 11  
(Clayton)

Springfield – January 10

# Ten Key Benefits of Attending

*"Marjorie is extremely enthusiastic and knowledgeable about the NGSS. She provides an overwhelming number of resources that can be realistically used."*

MEGHAN SULLIVAN, TEACHER



## Who Should Attend

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

- 1. Learn the Key Components for Implementing the *Next Generation Science Standards* in Your K-6 Science Classroom**  
Discover exciting ways to integrate science inquiry, content and process into what you are already teaching in your K-6 classrooms ... Practical ideas you can use right away!
- 2. Key Strategies to Weave the *Next Generation Science Standards* into Your Everyday Lessons**  
Learn how you can use the NGSS to make science a natural part of other content areas including reading, math, writing, and social studies
- 3. Discover Exciting Ways to Get Started Immediately with the NGSS**  
No need to start from scratch! Learn how to successfully navigate the NGSS Practices, Crosscutting Concepts and Core Ideas to build comprehensive cross-content lessons
- 4. Numerous Classroom-Ready Strategies and Activities**  
You'll take away lessons, activities and ideas that will energize your instruction and get students excited about learning and problem solving
- 5. Timesaving NGSS Ideas and Resources**  
Receive dozens of ready-to-use ideas and resources that will help you fine-tune what you're already doing to save hours of time spent planning and searching for what works ... The work has been done for you!
- 6. Use "Explanatory Modeling" to Drive Student Learning**  
You will practice the step-by-step process of "explanatory modeling" as a way to facilitate knowledge-construction among your students ... Learn to embrace "talk moves" and "consensus-building" to help children learn from each other
- 7. Involve Students in Imaginative Engineering Design Challenges**  
Encourage creativity and invention with meaningful activities and project based learning projects that encourage collaboration ... Practice and learn simple strategies to engage your students in 21st century learning through exploration, innovation and problem solving – all key skills for future success
- 8. Ideas to Create a Student-Centered Classroom Using STEM Topics**  
Learn how to engage more students using an active learning approach to teaching STEM ... Understand how science can serve as a cornerstone for practicing and learning content in all areas including reading, writing, math, social studies, and art
- 9. Strategies to Incorporate Science into What You are Already Teaching**  
How you can use the NGSS as a way to weave science inquiry and curiosity into what you are already teaching daily in your K-6 classrooms
- 10. Explore a Variety of Highly Useful Tools and Templates to Catalyze Inquiry, Exploration and Independent Investigation**  
Get the tools you need to guide students through the scientific process ... Questioning techniques and tips to help students solve problems

# Outstanding Strategies You Can Use Immediately

## What You Will Learn ...

- **Practical, doable strategies for successfully integrating the NGSS into your instruction** without re-inventing your science program
- New approaches for **making “3-D” connections** to existing teaching units
- Dozens of **links to lessons, online resources and templates** that will simplify your transition to a NGSS-centered classroom
- Easy-to-follow strategies for **incorporating phenomenon-anchored STEM activities** into your daily lessons
- Unique ideas and approaches to **further encourage your students to explore, research, design, invent, and create**
- **Numerous tips, strategies, activities, and classroom-ready ideas** to help you incorporate STEM lessons into your existing curriculum
- Ideas and suggestions for **developing lessons that incorporate several of the Next Generation Science Standards at once**
- Better understand how to **easily navigate and integrate the three major components of the NGSS**
- **Outstanding, step-by-step examples** of how to connect the NGSS to other learning goals you already teach
- Dozens of **useful and valuable classroom-ready ideas** that will encourage and strengthen science inquiry through challenging and collaborative learning experiences



*“Great seminar with a lot of information.  
Loved the hands-on strategies and all of the resources that were given.”*

– ALEXIS SHEA, TEACHER

## Practical Ideas and Strategies

For many, the thought of implementing the *Next Generation Science Standards* in the classroom is overwhelming! Without question, you have a passion and enthusiasm for teaching, but probably lack the time and resources necessary to research and develop lessons that embrace the NGSS. In this **NEW**, highly practical and engaging seminar, you will discover an extensive collection of ideas and practical strategies for incorporating the *Next Generation Science Standards* into your existing elementary school curriculum. You will learn how to navigate the NGSS and use them as a tool for motivating and encouraging learners in scientific discovery and design, and leave with dozens of new ideas and valuable resources that will put science “center stage” in the classroom, without sacrificing other important learning objectives. This lively, interactive seminar will introduce novel ways to leverage science as a mechanism for generating excitement for and interest in all subjects – reading, math, social studies, and writing. **Marjorie Porter** will clearly outline a variety of approaches that inspire creativity and exploration through hands-on learning, and will showcase NGSS-based activities that engage students in the excitement of science, technology, engineering, and math.



# A Message From Seminar Leader, Marjorie Porter



## Uniquely Qualified Instructor

**MARJORIE PORTER** is an exemplary science teacher, presenter and education consultant on both *Next Generation Science Standards* and STEM. She is a recent graduate of Connecticut's NGSX "Leadership Development Academy", and has extensive experience developing and modeling STEM lessons for the elementary school classroom. Marge is committed to instructional excellence and the creative use of technology to support student learning. Marge is passionate about the need to involve young children in autonomous science investigation, knowing it is essential to a student's overall development and eventual career choice. She enjoys opportunities to work with and support elementary educators in their efforts to encourage exploration and inquiry in their classrooms. Marge also develops lessons and programs for regional workshops, schools, nature centers, and extracurricular STEM programs. She is also the author of *Best Strategies to Help Your Students Achieve the NEXT GENERATION SCIENCE STANDARDS (Grades K-6)*, the extensive resource handbook you will receive at the seminar.

**You won't want to miss this engaging and highly practical day to learn how you can easily integrate the NGSS into your everyday instruction and programs in grades K-6!**

Dear Colleague:

As K-6 educators, we understand that young children love to investigate the world around them, trying to make sense of it by touching, tasting, building, dismantling, creating, discovering, and exploring. For your students, this isn't education – it's natural! Children are born scientists, engineers and problem-solvers, yet research tells us that by the time they reach fourth grade, a third of boys and girls have lost their interest in science. Constraints placed on elementary school educators often restrict the freedom they have to incorporate science as a separate strand within the curriculum. In addition, primary teachers may feel understandably anxious about teaching STEM subjects because it is not their area of certification. For many, the thought of implementing the *Next Generation Science Standards* in the classroom is overwhelming.

I invite you to join me for this fast-paced and exciting workshop, during which I will outline multiple, highly practical strategies and tools for actively engaging your students using the *NGSS* as a guide. I'll share a diverse range of meaningful, hands-on STEM lessons and activities that will help your students become "future-ready." I will help you create a more learner-centered and activity-based classroom style that will result in better retention of knowledge and skills. I am looking forward to sharing detailed and effective techniques that will embrace cooperative learning and creative design. This unique professional development opportunity will leave you feeling empowered—and more confident about employing the *NGSS* in your classroom!

Sincerely,

Marjorie Porter

**P.S. You will leave this seminar inspired, enthusiastic and ready to infuse innovative NGSS strategies into your current instruction and programs!**

*"This unique professional development opportunity will leave you feeling empowered—and more confident about employing the NGSS in your classroom!"*

# What Your Colleagues Say About Marjorie Porter

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*"Marjorie did a great job explaining the NGSS. There are **many resources and ideas I will be able to implement** in my classroom."*

Andrea Levins, 3rd Grade Teacher

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*"Very well organized. Marjorie is so **knowledgeable about the NGSS**. She shared great ways to incorporate ideas into my lesson plans."*

Bradley Bloemer, 5th Grade Science Teacher

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*"Marjorie was great! She **offered lots of information** and made many connections to helpful resources to use in the classroom."*

Lauren Sheppard, 5th Grade Teacher

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*"This seminar **made me think differently about how I teach science in my classroom**. Marjorie had a lot of great ideas and resources."*

Marisa Brown, 2nd Grade Teacher



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*"Marjorie brought **energy, excitement and knowledge of 'facilitating' science to a higher level** by unpacking the NGSS. Thank you."*

Debra Gomes, Math/Science Teacher

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*"**Wonderful assortment of information as well as resources**. Marjorie modeled highly effective teaching strategies for student learning."*

Jennifer Menniti, 2nd Grade Teacher

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*"The seminar was exactly what I needed. I was feeling overwhelmed and lost with the NGSS. After this seminar I **feel less stressed about bringing the NGSS to my classroom**."*

Nicole Johnston, 5th Grade Teacher

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*"This seminar is **full of ideas and knowledge** that I can go back and use. I'd highly recommend other grade-level teachers to take this course."*

Lucy Lee, 1st Grade Teacher

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*"This has **given me new perspective** as a teacher about how to teach the NGSS. Awesome seminar!"*

Jerry Nash, Science Teacher

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*"This was a **very worthwhile, informative session**. I will be able to go right back to work and begin work toward our school's future work in science with the NGSS."*

Katherine Els, 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/onlinelearning](http://www.ber.org/onlinelearning)

## On-Site Training

Most BER seminars can be brought to your school or district. See the options at [www.ber.org/onsite](http://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:

- Specific guidelines for successfully navigating the *NGSS* and recognizing cross-curricular connections, where science can be woven into existing teaching units
- Dozens of links to lessons, online resources and templates that will simplify your transition to a science-centered classroom
- Easy-to-follow strategies for incorporating *NGSS*-anchored STEM activities into daily lessons
- Unique ideas and approaches to further encourage your students to explore, research, design, invent, and create

## Meet and Share

This seminar provides a wonderful opportunity for participants to meet and share ideas with other educators interested in helping their K-6 students achieve the *Next Generation Science Standards*.

## Consultation Available

Marjorie Porter will be available at the seminar for consultation regarding your questions and the unique needs of your science program.

## Meet Inservice Requirements / Earn State CEUs

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

## CEUs Available:

### Kansas

KS Inservice Credit Available with Prior District Approval

### Missouri

MO Inservice Credit Available with Prior District Approval

5 IL PD Clock Hours Available in St. Louis

KS Inservice Credit Available with Prior District Approval in Kansas City

## 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.



## 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](http://www.ber.org/onlinelearning)

# Best Strategies to Help Your Students Achieve the NEXT GENERATION SCIENCE STANDARDS (Grades K-6)

## Registration (CNP9F1)

- 1. **Anaheim, CA** – December 6, 2018
- 2. **Fresno, CA** – December 4, 2018
- 3. **Honolulu, HI** – December 7, 2018
- 4. **Kansas City (Independence), MO** – January 9, 2019
- 5. **Pasadena (Arcadia), CA** – December 5, 2018
- 6. **Sacramento (Elk Grove), CA** – December 3, 2018
- 7. **St. Louis (Clayton), MO** – January 11, 2019
- 8. **Springfield, MO** – January 10, 2019
- 9. **Wichita, KS** – January 8, 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: ECNP9F1**

## METHOD OF PAYMENT – Team Discount Available

**The registration fee is \$269 per person,**  
for teams 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
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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](http://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

## 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:

- Anaheim: Holiday Inn & Suites, (714) 535-0300
- Fresno: Wyndham Garden – Airport, (559) 252-3611
- Honolulu: DoubleTree Alana Waikiki, (808) 941-7275
- Kansas City: Stoney Creek Hotel – Independence, (816) 908-9600
- Pasadena: Embassy Suites – Arcadia, (626) 445-8525
- Sacramento: Holiday Inn Express & Suites East – Elk Grove, (916) 478-9000
- St. Louis: Clayton Plaza Hotel – Clayton, (314) 726-5400
- Springfield: DoubleTree, (417) 831-3131
- Wichita: Aloft Hotel, (316) 744-1100

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](http://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.

# Best Strategies to Help Your Students Achieve the **NEXT GENERATION SCIENCE STANDARDS** (Grades K-6)



**Best Practices to Help Your Students Learn the *Next Generation Science Standards***

**A Unique One-Day Seminar**

**Coming to a Location Near You**

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## Help Your Students Achieve the **NEXT GENERATION SCIENCE STANDARDS** (Grades K-6)

CNP9F1

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## Best Strategies to Help Your Students Achieve the **NEXT GENERATION SCIENCE STANDARDS** (Grades K-6)



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

Presented by

**Marjorie Porter**  
Outstanding Science Teacher, NGSS and STEM Educator  
and National Presenter

Practical and timesaving strategies to **successfully incorporate the *NEXT GENERATION SCIENCE STANDARDS (NGSS)* into your daily instruction** without spending hours of extra planning time

**Ideas, resources and model lessons that will strengthen and encourage creativity and innovation** while addressing the NGSS

Discover exciting ways to **integrate science inquiry, content and process into what you are already teaching**

**Easy-to-follow strategies** for incorporating NGSS-anchored STEM activities into daily lessons