

# 50 Best Strategies for Enhancing Your SCIENCE Instruction Using Cutting-Edge Tech Tools and Resources (Grades 6-12)



A Unique One-Day In-Person Seminar  
Presented by

## Marquita Blades

Award-Winning Science Teacher, Author  
and International Presenter

**Specifically Designed for Educators Who Teach Science in Grades 6-12:  
Classroom Teachers, Department Heads, Science Specialists,  
and Administrators**

---

**50 best, most current tech tools** and strategies to increase student engagement and learning in science

---

**Practical lessons, strategies and examples** to greatly enhance your program, spark curiosity and increase students' acquisition and application of new content

---

**Highly engaging**, impactful, motivating, and easy-to-use tools perfect for grades 6-12 science – no matter what courses you teach

---

**50 highly effective, practical strategies** to strengthen your students' motivation and learning in your science classroom

### Missouri

**Kansas City – February 11**  
(Independence)

**Springfield – February 10**

### Oklahoma

**Oklahoma City – February 8**

**Tulsa – February 9**

### Texas

**Dallas (Arlington) – February 7**

CEUs and Graduate Credit Available  
See page 6 for details

### CAN'T ATTEND?

Order the recorded version  
and take the seminar online at  
your convenience (see page 6)

*"Amazing! Cannot  
wait to implement  
these strategies."*

ERICA BORNHOFT, SCIENCE TEACHER

# Ten Key Benefits of Attending

*"If I am able to use even one tenth of what was shared today I know it will help my students achieve more."*

– PETER TREASURE,  
SCIENCE TEACHER



## Who Should Attend

Educators Who Teach Science in Grades 6-12:  
Classroom Teachers,  
Department Heads,  
Science Specialists,  
and Administrators

### 1. **The Best Digital Tools and Tips to Enhance Your Secondary Instruction**

Explore a host of digital tools and tips perfect for strengthening your science instruction ... Enhance warm-ups, lesson presentation, independent work, group work, exit tickets, classroom videos, and more!

### 2. **Maximize the Potential of Tech Tools in Your Science Classroom**

Learn how to use cutting-edge tech tools to strengthen student learning in your science program ... Pair the very best tech tools with your existing science lessons and units

### 3. **Help Your Science Students Take Greater Responsibility for Their Learning**

Discover practical tools and interactive simulations for deepening science students' content knowledge ... Help students take a more active role as learners in your science class

### 4. **Explore the Best Timesaving Apps for Differentiating Your Science Instruction**

Receive real-time data, strengthen student motivation and differentiate your science instruction with greater ease, using exciting and interactive apps

### 5. **Greatly Enhance Your Science Program**

Discover the best strategies for enhancing your science program using cutting-edge technology tools and resources ... Receive a wealth of outstanding, practical, use-tomorrow ideas, perfect no matter what science courses you teach

### 6. **Motivate Your Unmotivated Science Students**

Learn how to use the most effective, proven tools and strategies to motivate your unmotivated science students

### 7. **Promote Perseverance and Problem Solving in Your Science Students**

Experience and learn how you can create digital "Escape Rooms" to promote greater perseverance, cooperative learning and group problem-solving skills with your science students

### 8. **Ignite Your Students' Interests Through Project Based Learning**

Take a new approach to PBL in science and discover innovative strategies that work, no matter what science courses you teach ... Develop exciting new ways to incorporate your key content to increase student motivation and success

### 9. **Strengthen Science Students' Collaboration and Analytical Skills**

Learn a host of effective ways to build your students' analytical skills through engaging and immersive lessons ... Explore activities that build collaboration skills as students engage in key science content

### 10. **Receive an Extensive Science Tools Resource Handbook**

You will receive an extensive resource handbook packed with ideas that includes detailed descriptions and practical classroom applications of the tools and strategies presented during the seminar

# Outstanding Strategies You Can Use Immediately

## What You Will Learn ...

- **Innovative strategies** for implementing the most cutting-edge tools and resources for grades 6-12 science teachers
- **Ready-to-use simulations**, activities and projects to engage students and increase their conceptual understanding in science
- **“How to” screenshots** of a variety of apps and platforms perfect for secondary science teachers
- **Practical ways** students can collect and curate scientific data to improve projects and labs
- **Live links** of sample resources using apps and platforms shared during the seminar
- **A variety of timesaving technology tools** to help you assess science students more efficiently, including self-grading and multiple-choice assessments
- **Step-by-step demonstrations** to help you easily incorporate these tools – appropriate for both beginner and experienced tech users
- **Examples of engaging instructional sequences** that focus on exploring scientific phenomena and maximize student learning and mastery of the content
- **Time-efficient ways** to incorporate the best tech tools with your existing science lessons and units
- **Proven techniques** for powerful, purposeful technology integration that will strengthen student learning in your grades 6-12 science program



*“Dr. Blades was phenomenal! I learned so much.”*

– NATHAN BUTLER, SCIENCE TEACHER

## Practical Ideas and Strategies

In this seminar, award-winning secondary science teacher, **MARQUITA BLADES** will share 50 best strategies for greatly enhancing your grades 6-12 science instruction. Learn practical ways to increase student learning and engagement using the best, cutting-edge tech tools and resources – specifically for science! You need not start from scratch. Marquita will show you practical ways to integrate your existing lessons and activities with the best tech tools, no matter what science courses you teach. These strategies can also easily be differentiated or scaffolded to meet the needs of your diverse learners. **Join Marquita for a high energy, engaging day of 50 outstanding strategies for enhancing your science instruction using cutting-edge tech tools and resources.**



# A Message From Seminar Leader, Marquita Blades



## Uniquely Qualified Instructor

**DR. MARQUITA BLADES** is an experienced and award-winning secondary science teacher, international speaker, author, and science consultant. She has managed national STEM programs for secondary level students and has served as a curriculum and assessment developer, and professional learning facilitator for numerous school districts. Marquita is passionate about helping fellow secondary science teachers practically and powerfully implement the latest, best technology tools. Marquita is a frequent state, national and international conference presenter who works with educators, schools, districts, and programs on strengthening student learning in science. She is also the author of *50 Best Strategies for Enhancing SCIENCE Instruction Using Cutting Edge Tech Tools and Resources (Grades 6-12)*, the extensive resource handbook you will receive at the seminar. **Join Marquita for a valuable day filled with cutting-edge tech tools and resources you can use tomorrow to inspire and excite your students about science, and increase their mastery of the NGSS.**

Dear Colleague:

Given all that has happened in COVID, the way we teach science will never be the same! The challenges we have faced have led to an amazing opportunity to integrate new technology tools into our science classes. I want to help show you the best of the best tools – specifically for secondary Science teachers!

In our day together we will explore many valuable, practical, easy-to-incorporate strategies and technology tools that you will want to use right away in your science program. Don't worry – I'm not talking about changing all your lessons and activities to meet new technology standards! I am excited to share 50 highly engaging tech tools and resources you can use to greatly enhance what you're already doing in your science program.

The strategies, tips and techniques we will explore are ones that I and the teachers I support have used successfully with our own science students. I know there is a lot of technology to choose from! I know that sometimes there is pressure in feeling like you have to learn and use it all! I'm here to tell you that you don't have to do that to make best use of technology in your science program. In the end, I want to help you select the very best tech tools and strategies to meet the needs of your unique and diverse science students.

Join me for a day of fun, filled with demonstrations and walkthroughs of cutting-edge strategies and tech tools you can use the very next day. I look forward to meeting you at the seminar!

Sincerely,

Marquita Blades

P.S. The focus of our day together will be on **highly practical tools and strategies, perfect for your grades 6-12 science program!**

*"In our day together we will explore many valuable, practical, easy-to-incorporate strategies and technology tools that you will want to use right away in your science program."*

# What Your Colleagues Say About Marquita Blades

---

*"Thank you so much for the **wonderful and inspiring ideas**. Loved the pace of the PD and your passion for/knowledge of teaching science."*

Diana Hagan, Science Teacher

---

*"I love that I'm walking away from this seminar with **ideas I can use immediately**. I'm excited to implement these strategies"*

Megan Daley, Science Teacher

---

*"Dr. Blades is **incredibly knowledgeable and engaging**. She shared so many applicable ideas."*

S. Ackerman, Science Teacher

---

*"**Loved it! You inspired me** to take my teaching a step further! I didn't know quite how to bring it up a notch, but now I feel equipped."*

Ramona McGillirray, Science Teacher



---

*"I have been teaching for over 25 years and this was one of the best PDs I have ever attended. **Very well organized and so very informative!**"*

Carol Lollar, Science Teacher

---

*"**I am taking away SO MANY valuable resources** as well as wonderful ideas and strategies as to how to utilize them in the most effective ways!"*

Marcie Tate, Science Teacher

---

*"This was a **great seminar and had so many useful resources**. I really hope to attend more BER seminars in the future. Marquita – thank you for putting this together!"*

Douglas Teague, Science Teacher

# Special Benefits of Attending



*"Fantastic! One of the most useful, exciting seminars I've attended. I am leaving with many ideas I can implement tomorrow!"*

KEVIN LONG,  
SCIENCE TEACHER

## On-Site Training

Most BER seminars can be brought to your school or district in-person or online. 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 Science Tools Resource Handbook

You will receive an extensive resource handbook giving you access to countless strategies before, during and after the seminar. The handbook includes:

- Innovative ideas for adapting current lessons and labs for use with different apps and platforms
- Lesson ideas and planning guides for easy implementation
- Templates you can adapt and use immediately
- Recommended resources categorized by lesson and activity type
- Techniques that strengthen scientific inquiry, research skills, academic discourse, and collaboration
- Ways to enhance science instruction through graphic design, web tools, interactive classroom scenes, and so much more!

**For in-person seminars, registrants will also receive a printed copy of the resource handbook as long as their registration is received in the BER office at least 15 calendar days before the event.**

## Consultation Available

Marquita Blades will be available at the seminar for consultation regarding your questions and the unique needs of your own science program.

## Meet Inservice Requirements / Earn State CEUs

Participants of In-Person Seminars and those completing the Recorded Version online can receive a certificate of participation that may be used to verify five continuing education hours. For details about state CEUs available, visit [www.ber.org/ceus](http://www.ber.org/ceus)

## Earn One to Four Graduate Semester Credits



University of  
Massachusetts  
Global A nonprofit  
affiliate

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 University of Massachusetts Global, will be available at this program.

## Can't Attend?

### Other Professional Development Options:



#### Recorded Version of the Seminar

A video recorded version of this seminar will be available to take online at your convenience. You'll have access to the entire course and to the extensive digital resource handbook. Optional CEUs and graduate credit available.

To enroll, see registration form on page 7.



#### Related On-Demand Online Courses

A related On Demand Video-Based Online Learning course, *Help Your Students Master the Next Generation Science Standards: Practical Strategies and the Best, New Tools*, for Grades 6-12 is available for immediate registration.

To enroll, visit [www.ber.org/online](http://www.ber.org/online)

# 50 Best Strategies for Enhancing Your SCIENCE Instruction Using Cutting-Edge Tech Tools and Resources (Grades 6-12)

## Registration (CZZ2W1)

1. **Dallas** (Arlington), **TX** – February 7, 2022
2. **Kansas City** (Independence), **MO** – February 11, 2022
3. **Oklahoma City, OK** – February 8, 2022
4. **Springfield, MO** – February 10, 2022
5. **Tulsa, OK** – February 9, 2022  
—or—
6. **I'd like to order the recorded version of this seminar**

FIRST NAME	M.I.	LAST NAME
<hr/>		
POSITION, SUBJECT TAUGHT	GRADE LEVEL	
<hr/>		
SEMINAR LOCATION NUMBER: _____ (Please see list above)		

*List additional registrants on a copy of this form*

SCHOOL NAME	
<hr/>	
SCHOOL MAILING ADDRESS	
<hr/>	
CITY & STATE	ZIP CODE
<hr/>	
SCHOOL PHONE NUMBER	HOME PHONE NUMBER
(     )	(     )

*Registration confirmations and login details are sent via e-mail*

E-MAIL ADDRESS (REQUIRED FOR EACH REGISTRANT)	
<hr/>	
HOME MAILING ADDRESS	
<hr/>	
CITY & STATE	ZIP CODE
<hr/>	

**IMPORTANT – PRIORITY ID CODE: ECZZ2W1**

## 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

## FIVE EASY WAYS TO REGISTER:

 **REGISTER ONLINE** at: [www.ber.org](http://www.ber.org)

 **EMAIL** this form to: [register@ber.org](mailto:register@ber.org)

 **PHONE** toll-free: **1-800-735-3503**  
(Weekdays 5:30 am - 5:30 pm 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

## Program Hours

All In-Person Seminars are scheduled 8:30 a.m. – 3:15 p.m.  
Check-in is 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.**

Fee includes seminar registration, a certificate of participation and an extensive digital resource handbook. The fee is the same for In-Person Seminars or Recorded Seminars.

**For in-person seminars, registrants will also receive a printed copy of the resource handbook as long as their registration is received in the BER office at least 15 calendar days before the event.**

## Meeting Sites and Hotel Accommodations

Seminars will be held at the following sites:

- Dallas: La Quinta Inn & Suites – Arlington North, (817) 640-4142
- Kansas City: Stoney Creek Hotel – Independence, (816) 908-9600
- Oklahoma City: Wyndham Garden – Airport, (405) 685-4000
- Springfield: Residence Inn, (417) 890-0020
- Tulsa: Hyatt Place – South/Medical District, (918) 491-4010

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 seminar. Late cancellations made prior to the event date will be refunded less a \$15 service fee. Substitutions may be made at any time without charge.

## 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 PD training for professional educators. Programs are based on sound research, are highly practical in content and consistently receive excellent evaluations.

## 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.

CZZ2W1

© 2021 Bureau of Education & Research. All rights reserved.

# 50 Best Strategies for Enhancing Your SCIENCE Instruction Using Cutting-Edge Tech Tools and Resources (Grades 6-12)



An outstanding one day In-Person Seminar

Includes an extensive Resource Handbook

Can't Attend? A Recorded Version is available  
to use online at your convenience



BUREAU OF EDUCATION & RESEARCH

915 118th Avenue SE  
PO Box 96068  
Bellevue, WA 98009-9668  
[www.ber.org](http://www.ber.org)

Prsrt Std  
U.S. Postage  
**PAID**  
Bureau of  
Education &  
Research

## The Latest, Best Tech Tools and Resources for SCIENCE (Grades 6-12)

CZZ2W1

## 50 Best Strategies for Enhancing Your SCIENCE Instruction Using Cutting-Edge Tech Tools and Resources (Grades 6-12)



Bureau of Education & Research

In-Person Seminar  
or Recorded Version



A Unique One-Day In-Person Seminar  
(Also available as a Recorded Online Version  
to Use at Your Convenience)

Presented by

### Marquita Blades

Award-Winning Science Teacher,  
Author and International Presenter

**50 best, most current tech tools** and strategies to increase student engagement and learning in science

**Practical lessons, strategies and examples** to greatly enhance your program, spark curiosity and increase students' acquisition and application of new content

**Highly engaging**, impactful, motivating, and easy-to-use tools perfect for grades 6-12 science – no matter what courses you teach