

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



A Unique One-Day Live Online 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 while addressing learning gaps

LIVE ONLINE SEMINARS

October 28

9 AM Central, 8 AM Mountain,
7 AM Pacific, 10 AM Eastern

November 9

9 AM Eastern, 8 AM Central,
7 AM Mountain, 6 AM Pacific

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 Problem-Based Learning**
Take a new approach to problem-based learning 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 Digital Resource Handbook**
You will receive an extensive digital 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 resources**, activities and projects to engage students and increase their conceptual understanding in science
- **How to address student learning gaps** using 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 digital 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



About BER Seminars

Outstanding Instructors

All programs are led by outstanding, top-rated BER national trainers.

Extensive Digital Resource Handbook

You'll receive an extensive digital Resource Handbook full of practical strategies and resources.

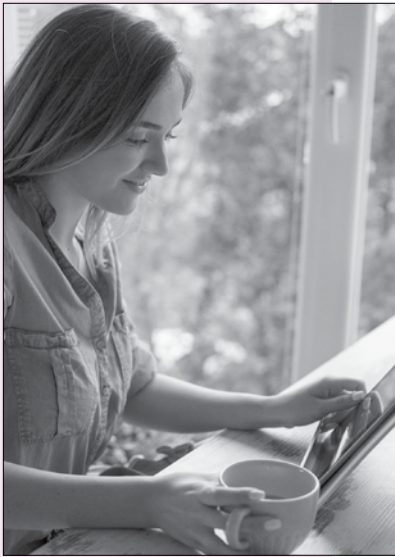
Highly Interactive

You'll be able to ask questions, consult with the instructor, and share ideas with other participants.

Program Guarantee

As we have for 45 years, we guarantee the high quality of our programs. If you are not satisfied, we'll give you a 100% refund.

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 or call 877-857-8964 to speak to one of our On-Site Training Consultants.

Extensive Science Tools Digital Resource Handbook

You will receive an extensive digital 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!

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 Live Online 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

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 may be found at www.ber.org/credit

Can't Attend?

Other Professional Development Options:



Recorded Version of the Seminar

Order the recorded version of this seminar to take online at your convenience. You'll have access to the entire course and to the extensive digital resource handbook. To enroll, see registration form on page 7, and for optional CEUs and graduate credit, please visit www.ber.org/credit



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, available for immediate registration.

To enroll, visit www.ber.org/online

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Registration (CZZ3F1)

1. **October 28, 2022** (Start time: 9 AM Central)
2. **November 9, 2022** (Start time: 9 AM Eastern)
— or —
3. **I'd like to order the recorded version of this seminar**

FIRST NAME _____ M.I. _____ LAST NAME _____

POSITION, SUBJECT TAUGHT _____ GRADE LEVEL _____

SEMINAR 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 and login details are sent via e-mail

E-MAIL ADDRESS (REQUIRED FOR EACH REGISTRANT) _____

HOME MAILING ADDRESS _____

CITY & STATE _____ ZIP CODE _____

IMPORTANT – PRIORITY ID CODE: ECZZ3F1

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
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FIVE EASY WAYS TO REGISTER:

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

 **EMAIL this form to:** register@ber.org

 **PHONE toll-free: 1-800-735-3503**
(Weekdays 5:30 am - 5:00 pm Pacific Time)

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

 **MAIL this form to: Bureau of Education & Research**
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Program Hours

All Live Online Seminars are scheduled 9:00 a.m. – 3:30 p.m. in the time zone indicated. Check in 15 minutes prior. Registrants will be sent login information by email four days before their Live Online Seminar.

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 Live Online Seminars or Recorded Seminars.

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.

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



CZZ3F1

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The Latest, Best Tech Tools and Resources for SCIENCE

GRADES 6-12

CZZ3F1

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Bureau of Education & Research

Live Online Seminar
or Recorded Version



A Unique One-Day Live Online Seminar
(Also available as a Recorded Online Version
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Presented by

Marquita Blades

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