

Making Best Use of DESMOS to Strengthen Your MATH Instruction (Grades 6-12)



A Unique One-Day Live Online Seminar Presented by

Andy Malbouef

Outstanding Mathematics Teacher and Presenter

**Specifically Designed for Grades 6-12 Mathematics Teachers:
Teachers of General Math, Algebra, Geometry, Pre-Calculus, Calculus,
Statistics, Math Curriculum Coordinators, Instructional Specialists,
and Administrators**

Dozens of practical strategies for best utilizing FREE Desmos to strengthen your secondary math students' engagement and learning

How to make best use of Desmos Calculator and Activities to greatly enhance your grades 6-12 math instruction

Explore highly practical ways you can use Desmos on laptops, Chromebooks and iPads to increase your students' success

Receive an extensive digital resource handbook and special online access so you can immediately link to the resources presented in this seminar

LIVE ONLINE SEMINARS

January 6

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

January 12

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

January 20

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

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)

*Andy shared very valuable
information I can't wait to
use in my classroom!"*

– PAMELA MAY,
MATHEMATICS INSTRUCTOR

Ten Key Benefits of Attending

*Andy was great!
He took advantage
of every moment
of the seminar. His
presentation was
well thought-out
and thorough.'*

– KRISTIN DOWLING,
MATH TEACHER



Who Should Attend

Grades 6-12 Mathematics
Teachers: Teachers of
General Math, Algebra,
Geometry, Pre-Calculus,
Calculus, Statistics, Math
Curriculum Coordinators,
Instructional Specialists,
and Administrators

1. Strengthen Your Math Instruction With FREE Desmos

What every grades 6-12 math teacher needs to know about fully tapping into free Desmos and Desmos Activities ... The best, most useful aspects for strengthening your math instruction

2. Generate Excitement and Increase Student Motivation

Explore high interest, practical Desmos activities that spark students' curiosity and strengthen their perseverance in problem solving

3. Quickly Adapt Premade Desmos Lessons or Create Your Own

Save time and incorporate or quickly adapt premade Desmos lessons perfect for your math students ... Learn the keys to building outstanding Desmos lessons and how to easily create your own

4. Utilize the Newest Features of Desmos Calculators and Activities

Desmos is constantly improving and adding features in response to teacher feedback ... Leverage the newest features of Desmos, perfect for your grades 6-12 math instruction

5. Differentiate Instruction and Help Students Move From Concrete to Abstract

Incorporate activities that strengthen concept building by allowing students to advance when they are ready ... Discover ways to challenge and engage highly capable students

6. Essential Desmos Features to Help Students to Explore Mathematical Ideas

Discover and create dynamic tables, graphs and sliders students can use to make predictions, notice patterns, revise conjectures, construct understanding, and more!

7. Strengthen Students' Mathematical Vocabulary and Written Expression

Explore multiple lessons that develop students' accuracy in their mathematical communication ... Help your students refine their explanations based on feedback they see in a Desmos Activity lesson

8. The Best Desmos Tips and Shortcuts to Streamline Your Instruction

Explore timesaving shortcuts to make your instruction more productive ... Practical ways to make demonstrations faster and easily save your work from one class to the next

9. Receive Links to a Variety of Activities and Collections

You will receive digital links to outstanding activities and collections that can be used immediately with your students

10. Receive an Extensive Desmos Digital Resource Handbook With Special Online Access to Additional Resources

You will receive a digital resource handbook packed with ideas, suggestions and step-by-step instructions for using Desmos to enhance your math instruction

Outstanding Strategies You Can Use Immediately

What You Will Learn ...

- **Practical strategies for making best use of Desmos** Calculator and Classroom Activities to enhance instruction and student engagement in your math classroom
- **Pre-made Desmos Activities** you can instantly incorporate or easily adapt to enhance your mathematics instruction
- **How to help students test conjectures** and investigate mathematical relationships
- **Ways to find, curate and share** collections of Desmos Activities with your colleagues
- **Numerous ideas and lessons to fully engage** your math students in productive, collaborative learning
- **Classroom-tested activities** designed to increase your students' growth mindset for learning mathematics
- **Ways to use Desmos in single and multi-device environments**, including laptops, Chromebooks and iPads
- **Strategies for maximizing student learning** with the teacher dashboard, including pacing, anonymizing and pausing within a lesson
- **Explore multiple calculator features**, including tables, graphs, sliders, geometry, polar, parametric, lists, statistics, and more!
- **Valuable tips, shortcuts and ideas** for organizing and sequencing learning to maximize instructional time
- **Activities that move students from concrete to algebraic thinking** and encourage them to predict, test and analyze their thinking throughout the process
- **Foundations for crafting instruction** to help build conceptual understanding, promote investigative approaches, and make connections between multiple representations to solidify understanding



Andy was very interactive and allowed optimal time for us to experience the Desmos tools we learned about."

– TREVOR BLOCH, TEACHER

Practical Ideas and Strategies

This outstanding seminar is specifically designed for secondary mathematics educators who want to make best use of the FREE Desmos calculator and Desmos Activities to greatly enhance mathematics learning and instruction. Experienced secondary mathematics teacher **ANDY MALBOUEF** will share practical, effective ways to use Desmos to build strong conceptual understanding and increase student success in math. Enable students to deepen learning by constructing their own mathematical understanding. Increase students' confidence in their mathematical abilities, especially when faced with new concepts or challenging questions. Discover how the Desmos online calculator is much more than just a replacement for a handheld device. Learn how to help students become mathematicians with Desmos – to conjecture, test ideas, notice and wonder, productively learn from mistakes, make connections between algebraic and graphical representations, and much more! **You will leave this seminar with numerous practical ideas you can immediately implement to greatly enhance your math instruction.**



A Message From Seminar Leader, Andy Malbouef



Uniquely Qualified Instructor

ANDY MALBOUEF is an experienced secondary math educator. With more than 32 years of math teaching experience at the secondary level Andy knows what works and what doesn't. An enthusiastic and engaging presenter, Andy is passionate about exploring new ways to help students conceptualize mathematical concepts, and believes technology opens doors to new possibilities. Over the past several years he has presented dozens of Desmos workshops and seminars for mathematics teachers around the country. Andy is also the author of *Making Best Use of DESMOS to Strengthen Your MATH Instruction (Grades 6-12)*, the extensive digital resource handbook you will receive at the seminar. **Join Andy for an outstanding day full of specific ways you can get the most out of Desmos to strengthen your grades 6-12 math instruction.**

Dear Colleague:

As secondary math educators, getting our students authentically motivated and engaged in learning mathematics can be challenging! Are you tired of students asking "When are we going to use this?" or "Will this be on the test?" Do your students fear making mistakes or being viewed as "dumb" in front of their peers if their answers are not correct? Have you tried using handheld graphing calculators only to find students getting bogged down knowing which buttons to push or what syntax to use? What I find so exciting about the free Desmos platform is that it has the power to greatly enhance our math instruction and help us address these and so many other challenges we face.

I've specifically designed this live online seminar to focus on all aspects of the Desmos platform and based on my 32 years as a secondary math teacher. This won't be theoretical: I practice what I preach, and you'll experience Desmos from a math teacher's perspective. I'm excited to share how to make best use of free Desmos tasks and activities to greatly enhance your math instruction. You'll get the chance to engage in some build-along opportunities through the day. Plus, you will receive my Desmos digital handbook, which is packed with practical resources and instructions.

Join me for a highly practical day! Get students to take a more active role in their math learning. Explore Desmos activities from the student perspective and how to maximize student learning from the teacher dashboard. Easily build your own lessons and explore a host of pre-made activities you can immediately incorporate or quickly adapt. Learn how to engage your students in math discussions using the Polygraph feature. Harness the power of Desmos lessons to help your students make and test conjectures, link multiple representations, draw connections between different concepts, take intellectual risks, learn from errors, use informal understanding to build formal conceptual understanding, and much more! Watch as your students' confidence, interest and enthusiasm for learning math grows.

Whether you are brand new to Desmos, an experienced user or anywhere in between, this day is for you! If you have one or many laptops, Chromebooks, iPads, or computers, I want to show you how you can make the most of Desmos to strengthen your instruction and your students' learning in mathematics.

Sincerely,

Andy Malbouef

P.S. I have personally witnessed how Desmos can transform math learning. I can't wait to show you how!

"I'm excited to share how to make best use of free Desmos tasks and activities to greatly enhance your math instruction."

What Your Colleagues Say About Andy Malbouef

"Andy's seminar was GREAT! All the information he presented is relevant and will be very useful in my class starting tomorrow."

– Karen Kimberling, Secondary Mathematics Specialist

"I thoroughly enjoyed this seminar and the interaction between Andy and all of us (the participants)."

– Jason Lazar, Math Teacher

"I had never used Desmos and I really enjoyed this presentation. I learned a lot and it was presented in a way that I could understand."

– Paula Jornlin, Teacher

"I really really loved this seminar. I would love to take another presented by Andy! I'll be looking for more like this one."

– Robbie Dailey, 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 48 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



*'This was by far
one of the best PDs
I have attended!
I look forward to
implementing Desmos
in my classroom!'*

– LISA AANONSEN,
MATH 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 Desmos Digital Resource Handbook

You will receive an extensive digital resource handbook specifically designed for this seminar. Included in the handbook are:

- Step-by-step guides for using Desmos to build strong conceptual understanding with your students
- Screenshots to highlight various aspects of the teacher dashboard with practical suggestions for using them to maximize student learning
- Suggested ways to use Desmos to teach concepts ranging from pre-algebra through calculus and statistics
- A reference list for specific calculator syntax
- Links to collections of activities that span secondary grade levels and courses
- Tips, strategies, procedures, explanations, videos, and more for making best use of Desmos in the secondary mathematics classroom

Share Ideas with Other Educators

This seminar provides a wonderful opportunity for participants to share ideas with other educators interested in making best use of Desmos to strengthen their grades 6-12 math instruction.

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



University of
Massachusetts
Global
A non-profit affiliate

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 90-day 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

Two related On-Demand Video-Based Online Learning courses, *Help Your Students Who Struggle with Mathematics: Practical, Successful Strategies*, for Grades 6-12, and *Strategies for Promoting a GROWTH MINDSET to Increase Students' Perseverance, Engagement and Success in Your MATH Classroom*, for Grades 6-12, are available for immediate registration. To enroll, visit www.ber.org/online

Making Best Use of DESMOS to Strengthen Your MATH Instruction (Grades 6-12)

Registration (MD86W1)

- ☐ **1. January 6, 2026** (Start time: 9 AM Eastern)
☐ **2. January 12, 2026** (Start time: 9 AM Central)
☐ **3. January 20, 2026** (Start time: 9 AM Mountain, 8 AM Pacific)
—or—
☐ **4. 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: EMD86W1

METHOD OF PAYMENT – Team Discount Available

The registration fee is \$295 per person;
for teams of three or more registering at the same time, the fee is \$275
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:



SCAN QR code or visit:
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PHONE toll-free: 1-800-735-3503
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FAX this form to: 1-425-453-1134



MAIL this form to: Bureau of Education & Research
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Bellevue, WA 98009-9668

Program Hours

All **Live Online Seminars** are scheduled 9:00 AM – 3:30 PM or 8:00 AM – 2:30 PM 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 \$295 per person; \$275 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.

WA residents: visit www.dor.wa.gov/TaxRateLookup to find your required WA sales tax rate.

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

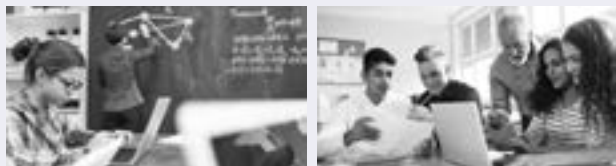
Call the Bureau of Education & Research (800) 735-3503 or visit us online at **www.ber.org**



MD86W1

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An outstanding one-day Live Online Seminar

Includes an extensive digital Resource Handbook

Can't Attend Live? Order the Recorded Version
to access online at your convenience



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Making Best Use of DESMOS to Strengthen Your MATH Instruction (Grades 6-12)



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Live Online Seminar or
Recorded Version



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(Or Order the Recorded Version to Access Online at Your Convenience)

Presented by

Andy Malbouef

Outstanding Mathematics Teacher and Presenter

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How to make best use of Desmos Calculator and Activities to greatly enhance your grades 6-12 math instruction

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