

Strengthening Your Students' MATH Learning and Engagement with DESMOS CLASSROOM ACTIVITIES (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 and Administrators

Practical ways to enhance your math instruction using **FREE Desmos Classroom Activities**

Innovative ways to create and use Computation Layer in grades 6-12 math lessons

Classroom-tested lessons and tips to increase students' levels of mathematical understanding

Receive an extensive Desmos Classroom Activities Digital Resource Handbook and online access to videos, how-to guides, links and resources presented in the seminar

LIVE ONLINE SEMINARS

March 31

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

April 8

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

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 was very informative and shared lots of useful information that I can immediately use in my math classroom!

— SEAN O'SULLIVAN, MATH TEACHER

Ten Key Benefits of Attending

'This seminar was very comprehensive. The content was suitable for new Desmos users as well as people that were looking to expand their abilities with the computation layer.'

– JASON LEONE,
MATH TEACHER



Who Should Attend

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

- 1. Strengthen Your Math Instruction With FREE Desmos Classroom Activities**
Learn what every middle and high school math teacher needs to know about fully utilizing Desmos Classroom Activities in their math instruction
- 2. Increase Student Motivation**
Explore engaging activities that spark student interest through curiosity and exploration of key math concepts
- 3. Utilize Lessons With Built-in Computation Layer to Add Interactivity and Increase Feedback**
Computation Layer is the tissue that connects exploratory components in an activity ... Discover how this can be used to deepen student understanding
- 4. Create Your Own Computation Layer**
Learn basic Computation Layer implementation, a tool to help you boost your students' learning
- 5. Learn How to Create Lessons to Fit Your Specific Curriculum Needs**
Not finding activities specific to your desired lesson? Learn how to create your own Desmos Classroom Activities to fit your specific math curriculum
- 6. Strengthen Your Students' Math Vocabulary**
Get students using the math vocabulary they are expected to know using partner Polygraphs and prompting their written responses in Desmos Classroom Activities using simple Computation Layer
- 7. Help Your Students Develop a Growth Mindset for Math Learning**
Design opening screens to allow students to connect with prior knowledge, build into newer concepts and finish with challenges to strengthen mathematical understanding
- 8. Use Desmos Classroom Activities Features to Explore Key Math Concepts**
Discover the benefits of multiple modes of representation, with and without the use of Computation Layer
- 9. Utilize Desmos Classroom Activities Cohesively With Google Classroom and Created Classes**
Make your workflow and organization more efficient by directly tying Desmos Classroom Activities to your Google Classroom or created classes in Desmos ... Learn easy-to-implement strategies that will greatly enhance your math instruction
- 10. Extensive Desmos Classroom Activities Digital Handbook and Online Access to Videos, How-to Guides, and Links to Resources Presented in the Seminar**
You'll receive an extensive digital resource handbook packed with ideas, suggestions, and step-by-step instructions for using Desmos Classroom Activities to enhance your math instruction

Outstanding Strategies You Can Use Immediately

What You Will Learn ...

- **Practical strategies** for making best use of Desmos Classroom Activities to enhance math instruction and student engagement
- **How to access premade Desmos Classroom Activities** you can easily incorporate into your own curriculum
- **How to copy, modify, and use Desmos Classroom Activities** with Computation Layer
- How to **create slides using your own Computation Layer, developed in a build-along process**
- **Proven Desmos Classroom Activities** well suited for all levels of math instruction
- **Innovative ways** to utilize Desmos Classroom Activities cohesively with Google Classroom or created classes in Desmos to greatly enhance your math instruction
- **Proven ways to find, create, and share collections** of Desmos Classroom Activities
- **Timesaving tips** for incorporating multiple component types, including dynamic graphs, tables, sketches, geometry, ordered lists, Polypads, Marbleslides, and more
- **How to create your own Desmos Classroom Activities** to fit specific needs
- **How to help your students create a collaborative mindset** by engaging and interacting with Desmos Classroom Activities
- **Ways to use interpretive feedback**, allowing students to evaluate their responses



Andy was very knowledgeable about Desmos. He was willing to answer any question and offer any help that he could."

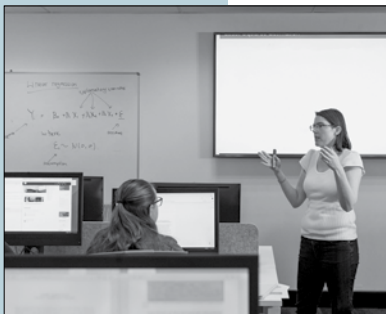
– SONI PRASAD, MATH TEACHER

Practical Ideas and Strategies

This seminar is specially designed for secondary mathematics teachers who want to more deeply engage their students with visualization and conceptualization of key math concepts using free Desmos Classroom Activities. Experienced secondary level math teacher **ANDY MALBOUEF** will share practical, classroom-proven ways to build greater conceptual understanding using the Desmos Classroom Activities platform. A strong emphasis will be placed on using Computation Layer in engaging activities, and also helping participants create their own Computation Layer through several build-along activities. Whether you are new to using Desmos Classroom Activities, an experienced user, or anywhere in between, you'll leave this seminar with numerous practical ideas you can use immediately to enhance your math instruction. ***This unique seminar will focus exclusively on Desmos Classroom Activities and will equip participants with many ideas they can use immediately.***



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. Andy is the author of *Strengthening Your Students' MATH Learning and Engagement with DESMOS CLASSROOM ACTIVITIES (Grades 6-12)*, the extensive digital resource handbook each participant will receive at the seminar. He is excited to help equip fellow math teachers with practical tools they can immediately employ in the secondary math classroom.

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 peers if their answers are not correct? Have you tried using handheld graphing calculators only to find students get bogged down knowing which buttons to push or what syntax to use? What I find so exciting about Desmos Classroom Activities is that they have 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 seminar based on my 32 years as a secondary math teacher. We will only focus on Desmos Classroom Activities, with a healthy portion of the seminar devoted to Computation Layer, making this a unique PD opportunity. This won't be theoretical: I practice what I preach, and you will experience Desmos Classroom Activities from a math teacher's perspective. I'm excited to share with you how to make best use of free Desmos Classroom Activities to greatly enhance your math instruction.

I invite you to join me for a day filled with practical ways to increase your students' understanding of key math concepts using Desmos Classroom Activities. I look forward to meeting you at the seminar and exploring together how we can significantly increase student engagement using Desmos Classroom Activities.

Sincerely,

Andy Malbouef

P.S. You will receive my Desmos Classroom Activities digital resource handbook **packed with practical resources and instructions**. Whether you are brand new to Desmos, an experienced user, or anywhere in between, this day is for you!

'This won't be theoretical: I practice what I preach, and you will experience Desmos Classroom Activities from a math teacher's perspective.'

What Your Colleagues Say About Andy Malbouef

*"This was one of the best PDs I've taken in a very long time. The seminar was **filled with content very applicable to the courses I teach**. I'm excited to begin planning lessons for my students."*

– Suzanne Oster, Math Teacher

*"**Andy was very personable and excited to share the content with us**. Highly informative seminar! I learned many new ways to be creative with online tasks with Desmos Classroom."*

– Sarah Denning, Math Teacher

*"I learned a lot! I had no idea how we could make a Desmos activity customized to our students. **I will definitely be integrating Desmos into my day-to-day math instruction!**"*

– Linnea Harding-Scudder, Math Teacher

*"Andy was a **warm and inviting instructor, very personal and encouraging!** Extremely knowledgeable and helpful! Loved all the learning and hands-on practice! Absolutely fantastic day!"*

– Gayle Webster, Special Ed Co-Teacher



*"The information I learned today can be readily applied in the math classroom. **Mr. Malbouef did a fantastic job** presenting programming that I was unfamiliar with when I came into the seminar. I am leaving with many applicable tools to aid my classroom instruction and am very glad that I came."*

– Sara Nold, Math Instructor

*"Today was a great day of learning! Andy was supportive of all the varying levels of ability and kept class interesting for all attendees. **I would highly recommend this seminar** to any math teacher interested in learning more about Desmos."*

– Nicole Sturgeon, Math Teacher

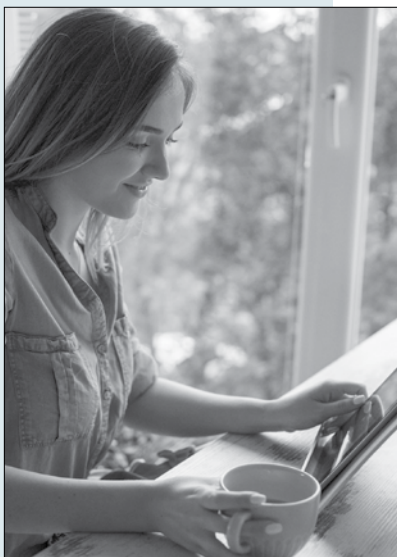
*"I felt pretty confident in my understanding of Desmos Classroom. **This seminar added so many new ideas** to use and ways to make Desmos do more. I can't wait to try all these new things with my students. Great seminar!"*

– Kurt Sheperd, Math Intervention Specialist

*"**This is probably the best BER seminar I've ever attended**. Andy was incredibly professional and extremely knowledgeable. He made this tech-weary teacher feel like creating Desmos activities was something I could actually do! I highly recommend this session to anyone wanting to learn more about this platform."*

– Melisa Connors, Math Teacher

Special Benefits of Attending



Andy was terrific - very knowledgeable and helpful. I learned a lot about Desmos and plan to use this resource in the future.'

– ASHLEY MCINTYRE,
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 Classroom Activities Digital Resource Handbook

You will receive an extensive digital resource handbook giving you access to countless strategies. The handbook includes:

- Step-by-step instructions for using all elements of the Desmos Classroom Activities platform
- Screenshots showing specific parts of the teacher dashboard with tips on maximizing student learning
- Suggested strategies for creating your own activities from scratch to meet specific needs
- Multiple examples of Computation Layer concepts to spice up your activities
- Links to other resources and social media connections to further your professional development

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 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

Strengthening Your Students' MATH Learning and Engagement with DESMOS CLASSROOM ACTIVITIES (Grades 6-12)

Registration (MD55S2)

1. **March 31, 2025** (Start time: 9 AM Eastern)
2. **April 8, 2025** (Start time: 9 AM Central)
- or—
3. **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 NUMBER: _____ (Please see list above)		

List additional registrants on a copy of this form

SCHOOL NAME	
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SCHOOL MAILING ADDRESS	
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CITY & STATE	ZIP CODE
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SCHOOL PHONE NUMBER	HOME PHONE NUMBER
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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 0 1 5 4 5 0

Fill in the six digit number on the mail label next to the word "ID" or on your email

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:**
at.ber.org/regMD5



 **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**
915 118th Avenue SE • PO Box 96068
Bellevue, WA 98009-9668

Program Hours

All **Live Online Seminars** are scheduled 9:00 AM – 3:30 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.

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

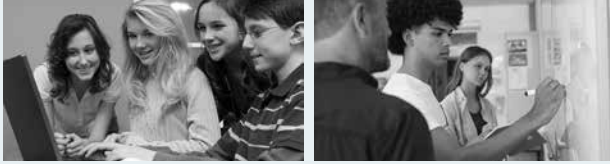
Call the Bureau of Education & Research (800) 735-3503 or visit us online at **www.ber.org**



MD55S2

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Strengthening Your Students' MATH Learning and Engagement with DESMOS CLASSROOM ACTIVITIES (Grades 6-12)



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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Increase MATH Learning with Desmos Classroom Activities (Grades 6-12)

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Strengthening Your Students' MATH Learning and Engagement with DESMOS CLASSROOM ACTIVITIES (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

Practical ways to enhance your math instruction using **FREE Desmos Classroom Activities**

Innovative ways to create and use Computation Layer in grades 6-12 math lessons

Classroom-tested lessons and tips to increase students' levels of mathematical understanding

Receive an extensive **Desmos Classroom Activities Digital Resource Handbook** and online access to videos, how-to guides, links and resources presented in the seminar

MD55S2