

Strengthening Your Students' MATH Learning and Engagement with DESMOS 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 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 Activities Digital Resource Handbook and online access to videos, how-to guides, links and resources presented in the seminar

LIVE ONLINE SEMINARS

December 17

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

January 5

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 Activities

Learn what every middle and high school math teacher needs to know about fully utilizing Desmos 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 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 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 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 Activities Cohesively with Google Classroom and Created Classes

Make your workflow and organization more efficient by directly tying Desmos 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 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 Activities to enhance your math instruction

Outstanding Strategies You Can Use Immediately

What You Will Learn ...

- **Practical strategies** for making best use of Amplify (formerly Desmos Classroom) Activities to enhance math instruction and student engagement
- **How to access premade Desmos Activities** you can easily incorporate into your own curriculum
- **How to copy, modify, and use Desmos Activities** with Computation Layer
- How to **create slides using your own Computation Layer, developed in a build-along process**
- **Proven Desmos Activities** well suited for all levels of math instruction
- **Innovative ways** to utilize Desmos 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 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 Activities** to fit specific needs
- **How to help your students create a collaborative mindset** by engaging and interacting with Desmos 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 Amplify Classroom (formerly called Desmos Classroom) Activities. Experienced secondary level math teacher **ANDY MALBOUEF** will share practical, classroom-proven ways to build greater conceptual understanding using the Amplify 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 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 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 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 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 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 Activities from a math teacher's perspective. I'm excited to share with you how to make best use of free Desmos 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 Activities. I look forward to meeting you at the seminar and exploring together how we can significantly increase student engagement using Desmos Activities.

Sincerely,

Andy Malbouef

P.S. You will receive my Desmos 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 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."*

– 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



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 50 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



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 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 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

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

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

Registration (MD57F1)

- ☐ **1. December 17, 2026** (Start time: 9 AM Eastern)
☐ **2. January 5, 2027** (Start time: 9 AM Central)
—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: EMD57F1

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
☐ A purchase order is attached, P.O. # _____
(Be sure to include priority ID code on the P.O.)
Cards accepted: MasterCard, VISA, Discover, AMEX

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:



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
3000 Northup Way
Bellevue, WA 98004

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.

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**



MD57F1

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Includes an extensive digital Resource Handbook

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to access online at your convenience



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

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

Live Online Seminar or
Recorded Version



A Unique One-Day Live Online Seminar
(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 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 Activities Digital Resource
Handbook and online access to videos, how-to guides, links and
resources presented in the seminar