



# CSI:

## Calculus/Statistics Insider

*Official Newsletter of the Georgia Association of Advanced Placement Math Teachers*

---

*Issue #27*

*Published Semiannually*

*August 2017*

---

### **GA²PMT Officers for 2017-2019**

- President – Dennis Wilson
- President-elect – Billy Esra
- Secretary/Treasurer – Storie Atkins
- 1<sup>st</sup> VP of Communications – vacant
- 2<sup>nd</sup> VP of AP Information – Marshall Ransom
- 3<sup>rd</sup> VP of Technology – Jeff McCammon

Regional Representatives – David Custer, Lina Ellis, Dean Goldgar, one vacant position

---

This publication includes:

- ✓ **GA²PMT** Officers
- ✓ Letter from the President
- ✓ GAAPMT at GMC
- ✓ Article: AP Calculus Curriculum Changes
- ✓ Article: Teaching the p-value is not enough
- ✓ Link to request **GA²PMT** newsletter
- ✓ Mail-in Newsletter Membership Request

## *Letter from the President*

**“Every child deserves a champion – an adult who will never give up on them, who understands the power of connection and insists that they become the best that they can possibly be.” Rita Pierson**

It’s hard to believe that another school year has begun. It seems that we just finished reviewing for AP exams, and finished the school year. Yet time flies, and another set of young scholars have entered our lives and we are entrusted to teach them and help them develop a passion for mathematics just as we have a passion for calculus or statistics. Often first days in class can cause massive anxiety for students, but when students realize that you are their partner in learning, and that you also continue to learn (by coming to events like our annual meeting), some of that anxiety can be relieved.

Teaching is my passion. It is very important for me to not only impart mathematical or statistical knowledge, but to help students believe in their abilities and never give up. That is very personal to me because as a high school junior, a teacher wrote a note on my report card that said that I lacked the ability to handle an advanced placement class. Her negative comment helped shape me into a teacher that encourages students to be the best and works with them to get there. I also realized I didn’t know it all, so I came to conferences and learned from others, and that shaped my teaching practice. Along the way I learned to let students know I expected a lot, but I also cared about them and how well they did. I found that they worked hard because they wanted to do well. Let’s all plan to do our part this year in motivating students to do the best they can in our AP classes!

I would like to take the opportunity to invite each of you to our annual GAAPMT mini-conference that will be held on Friday, October 20 at the Georgia Mathematics Conference at Rock Eagle. We have spent a lot of time preparing a schedule of speakers to provide meaningful staff development for each of you in AP Calculus and AP Statistics. You will find a summary of the conference in this newsletter. We will also have a de-briefing from teachers who were readers or table leaders for the AP CALCULUS and AP STATISTICS readings for College Board © . These teachers will share notes, common problems they noted, and practices to help teachers as they prepare their students for the AP exams.

We will also have a business meeting during our mini-conference. We have two officer positions available so if you are interested in becoming more involved professionally, please speak to or email one of the officers prior to the conference.

Don’t forget to check our website from for activities and information. [www.gaapmt.org](http://www.gaapmt.org). If you received this newsletter through a colleague, feel free to sign up on our mailing list. We do not share your information with anyone. The following link can be used to sign up or change your email: <https://goo.gl/forms/7TzOd3hQ77kAkIJA2>.

Best wishes for the remainder of the year. Please contact any of the officers if you have questions or suggestions.

*Dr. Debbie M. Kohler,*  
President, GAAPMT

---

## GAAPMT at GMC

October 20, 2017

The Georgia Mathematics Conference at Rock Eagle is fast approaching, and I would like to take this opportunity to encourage each of you to attend. The highlight of the conference for AP teachers is on Friday, October 20 from 8:00 am to 2:00 pm in the Gas Building. Keynote speakers will address topics in AP Calculus and AP Statistics, and there are several sessions for each discipline. These speakers all have extensive experience in the field and are there to bring you best practices and new ideas that will encourage and excite you about teaching AP. My motto as a teacher has always been, “If I think I know it all, I need to quit!” Through 30+ years of teaching, I have always been able to glean wonderful ideas from speakers at this conference dedicated to AP teachers and mathematics teachers. The following grid gives you the schedule for our part of the GMC on Friday.

### GAAPMT PROGRAM 2016

	Gas Room 1	Gas Room 2
8:00 – 9:15	<b>More Fun Calculus Activities</b>  – Sandy Burlingame, <i>Fannin County High School (Retired)</i>	<b>Barbie Bungee Jump, Pool Noodle Javelins, and Other Activities to Get Your Statistics Students Outdoors</b>  – Billy Esra <i>Bishop Hall Charter School</i>
9:30 – 10:45	<b>AP Calculus---By the Standards</b> – Storie Atkins <i>Columbus High School</i>	<b>Seeing Random Variables in AP Statistics</b> – Vicki Greenberg <i>Atlanta Jewish Academy &amp; Kennesaw State University</i>
11:00 – 12:00	<b>Appropriate Assessment in AP Calculus</b> – Dr. Chuck Garner, <i>Rockdale Magnet School</i>	<b>Short Meaningful with Applets Activities for AP Statistics</b> – Vicki Greenberg <i>Atlanta Jewish Academy &amp; Kennesaw State University</i>
12:00 – 12:30	<b>GA<sup>2</sup>PMT Business Meeting &amp; Lunch</b>	
12:30 – 2:00	<b>Report from the AP Calculus Reading</b> Provided by Marshall Ransom, Dennis Wilson and Chuck Garner	<b>Report from the AP Statistics Reading</b> Provided by Billy Esra, Debbie Kohler, and Jean Linner

I hope you will make plans to attend! Go to [www.gctm.org](http://www.gctm.org) and look for GMC at Rock Eagle to register. Looking forward to seeing you there!

Debbie M. Kohler

GA<sup>2</sup>PMT

---

## HOW TO BECOME AN AP READER

---

Georgia has many teachers who serve as AP readers or table leaders in AP Calculus and AP Statistics, but that list could include **you!** Now is the time to apply. To become a reader, you must have taught the AP class for which you are applying at least three years. You will be provided an honorarium of \$1639 plus all expenses will be paid for travel, lodging and meals. The experience and professional development are amazing! Find information and the application at this website:

<https://aphighered.collegeboard.org/get-involved-in-ap/ap-reader>

---

### AP CALCULUS –AB and BC – CHANGES TAKE EFFECT THIS FALL

Beginning in the 2019-2020, new resources will be available to high school AP teachers. Unit guides, formative tests and access to other materials will be available to teachers of AP students. Teachers will register online for these materials, and this will also streamline the registration for the AP exams and cut back on the bubbling process that has to be done prior to taking the AP exam. Join us at the GAAPMT conference for more information on this subject!

---

### AP STATISTICS/AP CALCULUS READING DEBRIEF

What do differential equations, concavity and tangent lines all have in common? They were all part of one question on the AP Calculus Exam. Check our website, [www.gaapmt.org](http://www.gaapmt.org) for a preview of the AP Reading Debrief in Calculus. How do terminology, context and real life applications intersect? Read the AP Statistics Reading debrief online to find out! One question will be posted with reading notes and comments to further explain the grading of the question. Look under the tab “Reader Report” and choose Calculus or Statistics! Come to Rock Eagle for all reports and reader info!

Please check our website for more articles related to AP Statistics and AP Calculus. [www.gaapmt.org](http://www.gaapmt.org)

---

**Link to receive newsletter:** <http://goo.gl/forms/MbQUWbvQ1L>

Feel free to use this link to update your email or change your email. If you entered a school email and are not getting the newsletter, then your system blocks our mail. Please choose an alternative email.

---

# GA<sup>2</sup>PMT Membership Request

*The benefits of belonging to this organization can make a difference in your students' scores on the AP exams.*

*Becoming a member of a professional organization is one of the indicators listed in the Georgia Teacher Keys Effectiveness System (TKES).*

**Performance Standard #9- Professionalism and Communication:** The teacher exhibits a commitment to professional ethics and the school's mission, participates in professional growth opportunities to support student learning, and contributes to the profession.

To join GA<sup>2</sup>PMT, you may enter your information online using the following web address: <http://goo.gl/forms/MbQUWbvQ1L> or simply scan the QR code. You may also complete the information below and mail it in with your membership dues, which are \$10 per year.



(Form is on the last page)

## GA<sup>2</sup>PMT Membership Form (Oct. 1, 2016 – Sept. 30, 2017)

<b>Name:</b> _____	<b>AP Certification:</b> <input type="checkbox"/> AP Calculus AB  <input type="checkbox"/> AP Calculus BC  <input type="checkbox"/> AP Statistics
<b>School:</b> _____	
<b>Address:</b> _____	
<b>City:</b> _____ <b>State</b> _____ <b>Zip</b> _____	
<b>Email:</b> _____	
<b>Member Status:</b> New _____ Renewal _____	

GA<sup>2</sup>PMT  
ATTN: Storie L. Atkins  
P.O. Box 163  
Midland, GA 31820