

Spring Seminar 2017 Bios and Course Descriptions

APS1710 AP Biology Exam Prep – information coming soon

APS1712 AP Chemistry Exam Prep

Course Description:

This workshop will focus on helping teachers prepare students to take the AP Chemistry exam. The focus will be on end-of-year topics, including Equilibrium, Thermodynamics, and Electrochemistry. Techniques for building solid conceptual understanding will be discussed, and online resources for particulate models within Big Ideas 5 and 6 will be presented. Participants will gain insight into the exam grading process, as well as an in-depth analysis of the most recent exam, helping them guide students to articulate their understanding of chemistry better in free response questions. Participants will practice writing assessment questions that focus on the particulate nature of matter, gauge conceptual understanding, and align with the revised curriculum framework. Participants should come prepared to share best practices, collaborate with peers, and challenge their thinking. Participants are encouraged to bring a laptop, as several online simulations and collaboration tools will be utilized.

Instructor: Jamie Benigna

Jamie Benigna has been a Chemistry teacher for 16 years and has taught AP Chemistry for 13 years. He currently teaches at the Roeper School in Birmingham, MI. He has a B.S. in Chemistry (Honors) and a Masters in Teaching from Wayne State University. Jamie was a former co-chair of the AP Chemistry Test Development Committee, served on the Curriculum Development and Assessment Committee, has been a reader for the AP Chemistry exam grading, and has written items for the exams in the revised course. He has been a College Board Consultant for the past 4 years, and he has presented for the Flinn Scientific Foundation Summer Chemistry Workshops and eLearning series. He has presented at numerous conferences, including NSTA and the AP Annual Conference. He received the Teacher of Promise award from the Michigan Science Teachers Association in 2004. Outside of teaching Chemistry, Jamie is a foodie and avid cook, and he worked on recipe development and food styling for the *VizChef* app that is available for iOS.

APS1713 AP English Language

We will work with the objective and written portions of the AP English Language test. Special attention will be paid to the essay questions from the 2016 exam. The course will offer deconstruction lessons for the synthesis, rhetorical analysis, and the argument question. Specifically examining the skills and strategies for success on the exam. Finally, we will look at the multiple choice section of the exam, and offer strategies and various ways to implement multiple choice practice in the classroom.

Instructor: Mary Jo Zell

Mary Jo Zell lives and teaches in Keller, TX. She received her B.A. from Villanova University, and her master's degree from Georgia Southwestern University. She began her teaching career in Pennsylvania and Georgia and is currently the department Chair of English at Keller High School, where she has taught for 16 years. She is in her 23rd year teaching high school English, and has taught every level 9-12th. Presently, she teaches AP Language and AP Literature. For the past 13 years she has served as an AP Language Reader for the College Board; she is currently a Table Leader for the AP Language and

Composition exam. She is an AP College Board Consultant and has conducted various workshops and summer institutes. Additionally, since 2010 she has worked with NMSI- conducting APSI's, leading mock readings, and training teachers.

APS1714 AP English Literature Exam Prep

Designed specifically for teachers interested in preparing their students to take the AP English Literature Exam with greater confidence and improved achievement, this one-day seminar will focus on strategies to improve student skills essential in responding to the multiple choice and free response questions in the exam. Along with simulated readings of qualifying student essay responses to a prior exam's poetry, prose, and "open" question prompts, the seminar will include strategies and resources to improve student success with the critical reading skills required by the multiple choice questions

Instructor: Norma Wilkerson taught English for 35 years at Fort Worth Country Day School in Fort Worth, Texas, where she was chair of the English Department. She holds a B.A. and an M.A. in English from the University of Texas at Arlington. Country Day's first AP English Literature and AP English Language teacher, she has been an endorsed College Board consultant since 1994, read the AP English Language Test for nine years, and served on the AP English Language Test Development Committee. After retiring from full time teaching, Norma continues to work as a College Board Consultant, to mentor AP English Language and Literature teachers, to work with AP English Language and Literature students, and to substitute, short and long term, for friends and fellow AP English teachers who will let her teach.

PS1715 AP Environmental Science Exam Prep

Participants will engage in hands-on activities to prepare for the upcoming 2017 AP Environmental Science exam. Strategies will include games, digital review resources, anchor charts, study cards and choice boards. Differentiation and engagement will be the focus of this session to ensure high student learning outcomes.

Teachers will analyze the Environmental Science framework to complete a planning document for 2018. Participants will collaborate to determine the distribution of content within the framework and common areas of challenge to allot time for the greatest instructional impact.

What participants should bring:

- Pen or pencil
- Sticky notes/ notebook
- Highlighters

Instructor: Elisa McCracken is a College Board Consultant in the Southwestern Region where she has conducted workshops throughout Texas, Colorado, California and Illinois. She has been teaching high school science for 11 years and introduced the AP Environmental Science program at Brandeis High School in San Antonio, Texas 8 years ago. Elisa was selected as the 2014 Brandeis High School Educator of the Year in recognition of the growth and success of the AP Environmental Science program. Currently, Elisa is serving as the High School Science Instructional Support Teacher for Northside ISD. Elisa has co-authored the teacher's edition for the second edition of *Environmental Science for AP* by Friedland and Relyea. In addition she has co-authored the second edition of *Strive for a 5* published by BFW. Elisa serves as a reader for the AP Environmental Science Exam. She is passionate about challenging students to become environmentally aware and to use that knowledge to make a positive difference in the world. Elisa holds a B.S. in Genetics from Texas A&M University and a M. Ed. in Education Leadership from Lamar University.

APS1718 AP Physics 1 Exam Prep – course description and bio coming soon

Instructor: Hugh Henderson

APS1720 AP Spanish Language Exam Prep – information coming soon

APS1721 AP Statistics Exam Prep

In this workshop, we will *do* statistics and explore the best ways to *teach* statistics. Course sequencing and pacing, activities for teaching difficult topics, last year's AP Statistics Exam, and resources for AP Statistics will be examined. Topics will include - but are not limited to - Exploring & Describing Data, Sampling and Experiments, Confidence Intervals, and Significance Tests. Classroom-ready and classroom-tested activities will be featured throughout the workshop.

Instructor: Doug Tyson has taught mathematics and statistics to high school and undergraduate students for over two decades. He is an AP® Statistics teacher and has served as an AP® Reader and Table Leader. Doug began the non-AP statistics course in his district in 2007, and also teaches a Statistical Reasoning in Sports course. He is the co-author of a curriculum module for the College Board, conducts student review sessions nationally, and gives workshops on teaching statistics. Doug also serves on the NCTM/ASA Joint Committee on Curriculum in --Statistics and Probability. Recently he authored the Teacher's Edition for *Statistics and Probability with Applications, 3rd edition*. In his spare time, Doug likes to read, coach volleyball, and make snow.

APS1722 AP US History Exam Prep

The redesigned course is off and running, but how can you provide guidance for your students to get 3s, 4s and 5s??? There is too much information and Historical Thinking Skills. Come to TCU in February and I will help you with this Exam Prep Seminar that will focus on the AP US History Redesigned Concept Outline, Multiple Choice, Short Answer Question, Long Essay and DBQ strategies that you can use both in class and on review days. I currently have 3 to 4 Saturday review sessions (3hrs each) in the month of April for LISD students plus after school Presidential Review. I will lead you through some of the activities that I have done in the past that will help your students on the redesigned exam plus new activities that are test specific for the redesigned AP US History test.

Please bring a personal laptop/tablet, jump drive, 1 subject notebook or composition notebook, 1 dry erase marker.

Michael Hjort just finished his 19th year of teaching Social Studies, 13th year teaching AP US History and is in his 8th year as an AP Reader and Table Leader in Louisville, KY reading and scoring the APUSH essays. Michael currently teaches 5 sections of AP US History and is the Social Studies Department Chair at Rouse High School in Leander, TX. He has been a College Board consultant since 2013, presenting one-day conferences, two-day conferences, and one-week AP Summer Institutes. Michael has postponed his 16 year coaching career after leading the Rouse tennis team to a Sweet 16 Finish as a team in the fall Of 2014 and was named 4A District 25 Coach of the Year. Michael also is the UIL Academic Coordinator at Rouse HS and Social Studies/Current Event Academic Coach (District Champions 2015).

Michael Hjort has been the Gilder Lehrman National History Teacher of the Year Award Nominee (2014 - 2017), 4A District 25 – Fall Varsity Tennis Coach of the Year, HEB Humanities Texas Outstanding Teaching of the Humanities Award Nominee (2013-2016), Leander ISD Educational Excellence Foundation Student Teacher Academic Recognition Award Winner (2014 – double nominee and 2012), Coaching Hall of Fame Inductee Tolleson Union HS – Golf (2009), CEAI National Educator of the Year Runner-up (2006), National Honor Roll's Outstanding American Teacher (2005/2006), Teacher of the Year Tolleson Union HS (1998 – 1999 & 2004 - 05), Who's Who Among American Teachers (2002, 03, 04, 05) Disney Teacher of the Year nominee (2002 – 2004) West Valley Region Golf Coach of the Year (1997 & 1999), Tolleson HS Excellence in Education Award (1999 – 2004). Michael Hjort has been married to his wife Kristy for 23 years with his oldest child working to become a fire fighter and his daughter just finished her first year at Texas A&M.

APS1723 AP World History Exam Prep

This workshop will focus on review materials to help teachers assure coverage of the course content. The instructor will share diagnostic tools as well as review materials focused on the curriculum framework of the course. The primary focus, however, will be on the changes to the test this year with particular attention to the new LEQ and the revised DBQ.

Instructor: Jonathan Henderson is a member of the College Board's Curriculum and Instruction Team for the current AP World History exam redesign. He has trained hundreds of AP World History teachers in College Board Institutes and for the Georgia Department of Education. Jonathan studied history at the graduate level at Cambridge University, taught in Central Asia as a US State Department Fellow, and in 2007 was a Fulbright Scholar to China. He has been teaching AP World History since 2002 and been a reader for the exam since 2008. He has edited and written material for several of the major AP World History textbooks, and coauthored *Fast Track to a Five: Preparing for the AP World History Examination*. In 2008 Jonathan served on a College Board committee in New York to review and edit the Curriculum Framework for the course rewrite.

APS1725 AP Calculus AB Exam Prep

AB Calculus is a course designed for teachers who would like teaching strategies, methods and materials on how to prepare students for success in Advanced Placement Calculus. During this one-day workshop, participants will learn how to introduce challenging concepts utilizing a variety of activities, incorporate the **new pedagogy and topics** of the Advanced Placement program into their curriculum, and integrate technology and the internet for a more interactive classroom. You will need to bring your energy and enthusiasm to participate in this fun-filled learning experience!

Instructor: Stacey McMullen

I taught mathematics over 19 years before I finally got the opportunity to teach Advanced Placement Calculus. I always loved teaching high school math, but after my first day of teaching AP Calculus, I thought, "I was born to do this!" I love the age group, the mathematical banter of calculus back and forth with the students, and the competitiveness of an AP exam. I taught AP Calculus in two districts vastly different in the makeup of their student populations and gained valuable experiences in both of those. Therefore, I have developed a wide variety of strategies and techniques to assist students in becoming successful in AP Calculus.

This is my second year to enjoy my retirement from my position as an AP Calculus Lead Teacher in an inner city district in Dallas, Texas. I taught AB/BC Calculus at two high schools and mentored the calculus teachers at five other high schools. In addition, I wrote the calculus curriculum for the district, taught and trained vertical teams, and did hours upon hours of tutoring. I thrived in these low-income schools getting favorable results from students who lacked the necessary mathematical background and resources.

Now that I have more time, I am exploring an additional professional avenue with a new home-based business while continuing to grow my educational consulting business. However, I am not all work and no play! I am taking great pleasure in having NO alarm clock, traveling, visiting with friends, and spending more time with my two lively, loving dogs.

PS1727 AP Economics Exam Prep

Macro Economics

- What are the key format tricks to the multiple choice section of the exam?
- What are the critical ways to succeed at the FRQ section of the exam?
- What are major patterns of topics in the exam?
- What math formulas are a must for students to master?
- What are the absolutely critical graphs that students must use?
- How will the graphs be linked by College Board?
- What are the top 5 (10 if time permits) topics that a course should cover?
- What non-graph topics seem to give the students the most trouble?
- What were the main issues with the 2015 exam?
- How can a teacher use the 2016 practice exam?

Ulrich Kleinschmidt
AP Government/AP Economics
Education: Master's Degree, UT Austin

I have been teaching government and economics at Kempner High School in Sugar Land, Texas since 1987 and have presented AP government and AP economics classes since the early 1990s. I also hold the position of department chairperson.

My College Board experiences include working as a reader and table leader for the US government and politics exam from 1999 to 2015. I have presented economics and government training sessions at multiple universities in College Board's Southwest Region, Florida, California, Colorado, and Massachusetts. I have also had the chance to present economics training programs in eastern Russia, have led a national AP conference in Guanzhou, China and presented at the national AP conferences in California and Pennsylvania.

I am the lead author for Kaplan's AP Government and Politics review text and am a contributing author and editor for Pearson's Test Prep Series for Economics.

Currently, my duties also include working with the College Board consultant mentor program in the fields of macro and micro economics.

PS1728 AP Government and Politics Exam Prep

This session, for new and experienced teachers, focuses on how to build a successful AP US Government and Politics course. We will review the AP US Government and Politics course guidelines, including the curriculum for the redesigned course. We will discuss how to incorporate elements of the course redesign into the current course and how to prepare for the transition to the redesigned course. We will discuss strategies for planning successful lessons and improving students' performance on the AP exam.

Instructor: Karen Waples has taught since 1999 and works at Cherry Creek High School in Greenwood Village, Colorado. She teaches AP United States Government and Politics, AP Comparative Government and Politics, and Street Law. She also runs a tutoring program for struggling students. Karen has served as a reader for the AP US Government and Politics and AP United States History exams and was the 2016 exam leader for the AP Comparative Government and Politics exam. She is an endorsed consultant for the College Board and conducts AP workshops and institutes throughout the country. Karen was the chair of the College Board's Social Science Academic Advisory Committee and was a member of the Curriculum Redesign Committee for the AP United States Government and Politics course. She is the author of several published teacher's guides and review guides for students. Karen was a trial attorney from 1985-1989. She received the Colorado Governor's Award for Excellence in Education in 1997 and was recognized as a Cherry Creek High School teacher of the year in 2002.

APS1729 AP Human Geography Exam Prep

Tentative Agenda:

- Introductions. Experience teaching APHG. Grade level of students, etc...
- What specifically would you like to get out of today's workshop? Questions, concerns, etc...

Tentative topics to be covered based on previous participant concerns, etc...

- The significance of using AP Central as a go to resource and tool
- The course outline should be your teaching "bible." DO NOT just depend on your textbook.
- AP audit
- How to specifically teach APHG to 9th graders. Dealing with parents and 14 year olds ☺ Issues with making connections between ideas/concepts
- How to specifically teach students to answer MCQs and FRQs
- How the APHG exam is evolving. Released exams.
- The idea of catch up units
- Appropriate text books and review books
- Appropriate sequence of teaching the seven units in APHG. Time spent on each unit.
- Lecture vs. activities
- Field studies and case studies
- HGIA
- ESPeN, SPEED strategy
- Flash cards, reading guides and other note taking strategies
- TED talks

- Gapminder
- How to write FRQs and how best to approach MCQs

Discussion of various activities related to each of the seven units:

Walton HS:

Catch up unit #1 – maps, projections, and the significance of scale, industrialization and core-periphery.

Catch up unit #2 – legacy of imperialism

Unit 1:

- Importance of knowing Models and Geographers
- Vernacular regions
- Mental maps
- Maps, scale, projections, basics of geo.

Unit 2:

- DTM (PRB)
- Population Policies (India vs. China)
- Female literacy/gender empowerment
- Population Pyramid analysis (Census)
- Odd One Out (critical thinking)

Unit 3:

- Types of diffusion (examples)
- Acculturation vs. Assimilation
- Folk vs. Pop culture
- Linguistic geography
- Religion analysis
- Ethnic mapping analysis
- Geography of music, food, clothing, etc...
- Gender roles

Unit 4:

- Geography of Power
- Ethnic conflict analysis
- Supranationalism vs. Devolution
- Centripetal vs. Centrifugal
- World's Fragile States

Unit 5:

- Worst Mistake?
- Women in agriculture
- Commodity chains (seed to supermarket)

- Food deserts
- Commercial vs. subsistence
- Agricultural regions
- Green revolution

Unit 6: (most difficult for students)

- Human Development indicators
- Site factors of industry
- Effects of globalization, outsourcing, etc...

Unit 7:

- Challenging as there are many models to teach and most teachers teach this unit at the end.
- What is a city?
- Central Place Theory
- Primate Cities and Rank Size Rule
- Megacities
- Urban planning
- Growth of cities

Concluding comments:

- Provide me with your e-mail contact information and I will invite you to my Dropbox. I will share all of my APSI materials with you 😊
- Apply to become an APHG reader. Cincinnati, first week of June 2016. As long as you have been teaching the course for at least three years but apply anyway 😊
- State geographic alliances and NCGE.
- Scoop.it and geographyeducation.org and Facebook teacher resources
- Offer of future assistance

Ken Keller Kenneth.keller@cobbk12.org or kkeller1976@comcast.net

Kenneth H Keller is an instructor of Advanced Placement (AP) Human Geography and AP European History at George Walton Comprehensive High School in Marietta, GA. He has taught the AP Human Geography course since its inception in 2000-2001. He is currently a table leader at the APHG scoring/reading in Cincinnati, OH and has also worked in the role of question leader. He has been attending the reading and working in other roles since June 2002. Ken is a past member of the AP Human Geography Test Development Committee (2006-2010). He was elected in late 2015 to a three year term as a member of the National Council for Geographic Education's Executive Board. He has been

teaching AP Human Geography weeklong summer institutes and one day workshops for teachers since 2004. He is also a 2004 recipient of a NCGE Distinguished Teaching award. Ken is also Past-President of the Connecticut Council of Social Studies. He also taught as an adjunct professor of Geography for five years at Western Connecticut State University. He took on other various positions related to geography education during his time teaching at Danbury HS, Danbury, CT before relocating to Georgia in August, 2013.

APS17EE01 Elementary Education ELA – information coming soon

APS17EE02 Elementary Education Math

Audience: K-5 Title: Taking Math Class Beyond the Textbook

Description: Are you ready to collaborate with teachers and take your math class to the next level?

Be prepared for deep discussion and intentional planning in the following areas: -vertical alignment involving big ideas in math -how to blend multiple standards for more efficient instruction

-how to pull the most effective math groups -setting up and maintaining meaningful workstations

Walk away with new and tangible ideas ready for immediate implementation in your classroom. Ideas that will foster number sense and mathematical relationships to push all students to their next level.

Please bring materials/resources used for planning math along with the pacing of your math block (time chunks). The most current data on students will also be beneficial.

Instructor:

Julie Armstrong is a third generation educator currently serving in Richardson ISD. She serves Spring Valley Elementary (K-6th) and Dobie Primary (Prek-K) as a math coach. Julie has taught 2nd grade and 4th grade. Her educational experience includes working in Title I schools and diverse communities. She has enjoyed consulting for Box Cars and One-Eyed Jacks since 2011. Julie has presented numerous teacher workshops and Family Math Nights across the nation. She has presented and been part of the

presentation team at various conferences including; the Conference for the Advancement of Mathematics Teaching (CAMT-TX), Kindergarten Teachers of Texas (KToT), Southern California Kindergarten Conference (SCKC), North Dakota Title I/Special Education Conference, and the Florida Association for the Education of Young Children (FLAEYC). Julie enjoys spending time with her husband, Joseph, and boy/girl twins, Harbin and Palmer.

APS17P30 Pre-AP Social Studies

This one-day workshop will help pre-AP social studies teachers better incorporate primary source analyzation and historical thinking skills into their curriculum. The strategies being presented will help students learn the skills of periodization, argumentation, interpretation, comparison, and synthesis. The goal is for teachers to walk away with lesson ideas that they can use immediately for any social studies topic.

Instructor: Mason Logerot has been teaching in the Central Texas area for fourteen years. He has taught middle school US History, Advance Placement US History, AP World History, and AP European History. He also travels around the country as a World History consultant for the College Board and as a trainer for AP Insight. When he is not in the classroom or on the road, you will find Mason playing football in the backyard or camping with his wife, two boys, and black lab.

APS17P31 Pre-AP Math

Welcome to the pre-AP Middle School Mathematics workshop at the TCU AP Institute. During the course of our time together, we will...

- ..begin our day by focusing on the students – who they are and where they are developmentally.
- ...look at the TEKS for Middle School math and think about where the pre-AP curriculum adds value for those students who need a higher level.
- ...develop ideas for having productive and engaging class discussions – speaking the language of math in the classroom.
- ... look at how to leverage technological tools to engage students in great discussions and then bridge from discussion and problem solving to formative assessments.
- ... do a project (or two) that incorporates proportions and measurement and helps students learn something about their world.
- Cathy Morris is a native Dallasite who holds Bachelor's and Master's Degrees in Geophysics from the University of Texas in Austin. After she completed her degrees, she worked in the oil and gas industry as a Geophysical Applications Programmer for 8 years.
- Cathy felt called to the classroom while teaching Sunday School and working as a math competition volunteer. She completed a Post-Baccalaureate course at the University of North Texas and is certified to teach High School Mathematics. She began teaching 6th grade honors math at Parish Episcopal School in Dallas. She made the transition to Upper School Mathematics and currently teaches Algebra 1 and Calculus. She also teaches a math

preparation camp for physics for rising 9th graders in the summer and has handled math enrichment for grades 3-12. This included hands-on mathematics clubs for 3rd, 4th, 5th and 6th grade students and a Middle School Math Club for Girls and Other Problem Solvers lead by Upper School math students.

- Cathy is the mother of 3 children. When she is not teaching, she is a Girl Scout Leader, a 20-year Sunday School teaching veteran and a handbell ringer. She is an avid bobbin lacemaker and is certified to teach this craft in the USA.

APS1732 Pre-AP English

Today's Pre AP English session will focus on practical ways to stretch students in the areas of syntax use, close reading, and analytical and argument writing by using tried and proven lessons that can be applied across grade levels.

Instructor: Jacqueline Rains has been a 7th grade English teacher at Fort Worth Country Day for ten years and loves working with middle school children. She also has 19 years of teaching experience at the high school level where she taught 10th grade Pre AP and AP Language and Composition in the Abilene Independent School District. Jackie was a Laying the Foundation trainer and now trains teachers for the National Math and Science Initiative during the summer where she meets teachers across the nation. She received her BS in Secondary Education from McMurry University where she studied under Dr. Joyce Armstrong Carroll, creator of The New Jersey Writing Institute. She received her MEd in Gifted Education from Hardin-Simmons University where she studied under Dr. Bertie Kingore.

APS1733 Pre-AP Science –

How can lessons/labs be modified to accommodate different levels of learners (on-level, honors, etc.)? During this session we will explore and discuss this question by evaluating vertical alignment, using constructivist strategies, and designing lessons for authentic learning. Bring your favorite labs or activities to share and modify. There will be time in the afternoon to collaborate on designing lessons and modifying lab activities.

Instructor: Holly Anderson is a graduate of The University of North Texas with a B.A. in Anthropology and a M. Ed. in Secondary Education. While at UNT she focused her studies in secondary education on the Life and Earth Sciences, which stimulated her passion for environmental science. Holly began her career at Coppell Middle School North where she taught On level and Pre-AP 7th grade science for 6 years and began the Environmental Club. Through her classes and club inspired students to create and outdoor classroom and begin a recycling program. Holly was also instrumental in the Coppell community in a service learning project to create a community nature park with student input. All these activities lead to her current position at Coppell High School teaching AP & IB environmental science and as the International Baccalaureate CAS Coordinator. Holly has presented at the National Youth Leadership Conference on service learning projects and most recently at the National AP Conference on using constructivist learning strategies in the AP classroom. She has also presented numerous times at the Science Teacher Association of Texas CAST conference. This fall she was named Teacher of the Year for

Coppell High School. Holly has also had the opportunity to lead professional development at TCU during the summer AP institute for Middle School Science and Fall and Spring AP seminars for Middle School Life/Earth Science and AP Environmental Science.