Teaching Pre AP mathematics provides a wide variety of math lessons to explore. Preparing students to understand AP mathematics begins with a solid understanding of Pre-Algebra and Algebra. Teaching Algebraic skills in the context of a problem is developed in four ways; numerically, verbally, algebraically and graphically. There will be a variety of lessons comprising Pre-Algebra and Algebra skills as well as ways to help students see patterns that lead to a deeper understanding and application of Algebra. Manipulatives will be explored and used by the participants. This institute will be a hands on workshop with a variety of activities that you will make and take.

You will delve into different concepts with a goldilocks type of approach. Within the concept there will be a simple beginning lesson, a more in depth lesson and then a lesson with more rigor. This will provide you with a variety of ideas and a way to reach a diversified group of student in your classroom.

There will be time to discuss different components of The College Board and its philosophy and well as taking time to learn how to create as well as create and tailor your own performance task activities.

Please bring with you the following:

Your state’s standards
Your computer
Some extra paper
Post-a-notes
Pencils, pen, highlighter
Scissors
Scotch tape
Ruler
Glue
Glue sticks
Colored pencils and at least one permanent marker
A lesson or idea you could share with the group that you have found successful in your classroom.

27 wooden cubes: they can be ½” or 1” cubes for a make and take activity. You can use ¾” cubes but while they’ll travel well I find that most students do better with a slightly larger size. You might want to get these early as I find many craft stores do not carry an abundance of cubes.

2 – 3 small tubes of Super Glue JELL glue to go with the wooden cubes. It works the best with the wooden cubes since regular super glue seems to soak into the wood. With the thicker jelly type glue you use less.

If you have a graphing calculator you can bring it but I will have calculators as the workshop.
Lisa has taught for 38 years, not only in different states but also in private (9 years) and public schools (29 years), including a couple of title one schools. She has taught various subjects and grade levels but her favorite remains middle school math and/or Algebra where she has remained for the last 25 years. Retirement is still in the distance as her love of creating new math lessons is still a creative priority in her life. Looking for new and fresh ideas has always kept her interest in the classroom.

Lisa has a Master’s Degree in Education along with two endorsements from the state of Virginia: in middle school education and in Algebra. Within her career she has been named Reading Teacher of the Year and Teacher of the Year and named in Who’s Who Among America’s Teachers.

Lisa has been an independent Certified College Board consultant for the last 15 years, teaching workshops for The College Board in over 20 states. She continues to teach workshops not only in her own school system but also with her local and state mathematics conventions. This is her 6th summer teaching summer institutes.

Lisa lives in Virginia with her husband of 23 years along with her two teenage sons and their dog, Max. Besides gardening and reading Lisa loves to walk along the beach which is not far from her home.