

1106-N1-1987 **Joseph W. Eyles*** (jeyles@gordonstate.edu). *TRIGONometry : An Inquiry of Triangle Measurement*. Preliminary report.

Often students arrive in a college level pre-calculus class with varied backgrounds in geometrical thinking. Some states' school curricula specify an algebraic treatment to high school geometry and recent textbooks relegate constructions with a compass and straight-edge to enrichment activities instead of the fundamental exercises. So, trigonometry, measuring triangles, has become essentially an abstraction to students today instead of the practical skill that it has been through the millennia. This presentation will focus on activities developed to enhance students' trigonometrical thinking through inquiry and practical applications. (Received September 15, 2014)