

1106-97-2520 **Girija s Nair-Hart*** (nairhaga@uc.edu), 3585, Applewood drive, Amelia, OH 45102. *Ed the Imaginary Kid and the Case of a Missing Point.*

Once the stress of test grades are removed from the picture, students seemed to be interested in the discovery of mathematical truth. Providing interactive opportunities through classroom activities that are to be undertaken as a collaborative effort seemed to help students enjoy mathematics as a fun activity. During this presentation I will share three such activities that were well received by introductory algebra, college algebra, and calculus 1 students. After these activities low achieving calculus students performed exceptionally well on a test that was given in a paper and pencil problem solving interview format. The calculus activity to be presented: finite versus infinite limit – the case of a missing point is intended to help students master the concepts of finite and infinite limits and understand the differences and similarities from a numeric and graphical perspectives which later was assimilated into the intuitive and abstract notions of these concepts. The college algebra activity shared during the presentation involves the concept of domain and range of composite functions while the pre-algebra activity of taking the even and odd powers of negative integers resulted in a poem describing the life of Ed the imaginary kid. (Received September 16, 2014)