

1106-97-2318 **Rahman Tashakkori*** (rt@cs.appstate.edu), Dept. of Computer Science, 525 Rivers Street, Boone, NC 28608, and **Robert Mitchell Parry** (rmp@cs.appstate.edu), Dept. of Computer Science, 525 Rivers Street, Boone, NC 28608. *Computer Science Applications for Learning K9-12 Math Concepts*.

The Department of Computer Science at Appalachian State University offers a NSF supported Research Experience for Teachers (RET) summer program in Data Analysis & Mining, Visualization, and Image Processing. The goal of the program is to expose the participants to application of CS in Math and Science and provide them an opportunity to conduct research and develop course modules that can be inserted in their curriculum. This presentation will provide the participants an opportunity to learn about the RET program and the repository of course modules created to teach different mathematics concepts. The course modules utilize basic Scratch or NetLogo programming or image processing and visualization techniques to introduce mathematics concepts. (Received September 16, 2014)