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Cryptology can be taught at a variety of levels, including college students from non-technical backgrounds and high school students. Currently, a general education course for Radford University's Honors Academy involving cryptography is being offered and has been taught for many years. This course has been a very popular course with students. An integral part for teaching a course in cryptology at this level is the integration of easy to use technology that allows students to see realistic examples of cryptographical algorithms, while not requiring a detailed knowledge of a programming language.

The purpose of this presentation will be to give an overview of the course being taught at Radford and how Maplets have been used to provide students with an easy to use tool for encrypting, decrypting, and cryptanalyzing messages. In addition, efforts with this approach to use cryptology to increase student interest in mathematics at the high school level will be described. (Received September 01, 2016)