

1035-G1-1746 **Tim McDevitt*** (mcdevittt@etown.edu), Department of Math and Comp Sciences, One Alpha Drive, Elizabethtown College, Elizabethtown, PA 17022. *ECrypting Images and Sound*. Preliminary report.

General education cryptology textbooks tend to focus on enciphering text. However, the same ciphers (affine, Vigenere, Hill, etc...) can be used to encrypt image and sound files to add an audio-visual component to cryptology courses that is appealing to both mathematical and general audiences. I will discuss details of my experience with this and demonstrate the free, stand-alone software ECrypt that makes it easy for novices to encipher and decipher image and sound files. (Received September 20, 2007)