

## MONDAY MORNING MINI-LECTURE

SPY GAMES CAMP – PSU, 2014

The following would make a good mini-lesson for a curriculum mentor to present, or I could do it.

- (1) Start with the ancient Greeks. Give each team a secret message strip and a Scytale. Have them decrypt. One row is a message. Another will be a Caesar shift (a number) which will be used during the scavenger hunt.

a	t	t	a	c
k	t	h	e	g
r	e	e	k	s
a	t	m	a	r
a	t	h	o	n

- (2) Write the following message in a box. one way to encrypt it would be to

read along the columns:

akraattettthemhaekaocgsrn

Or you could spiral into the center

akraathonrsgcatttetmakehe

Have each time try to figure out the pattern used to encrypt

aatrthkemoqteanthkrtesagc

and then use that pattern to decrypt

reeedesfbkdweysaaagrstidu

The first two teams to decrypt correctly get a point.

- (3) Some discussion of history. Scytale's were used by ancient greeks. They may also have been used as authentication rather than encryption.