

End of the Year Breakout

Puzzle Set Up:

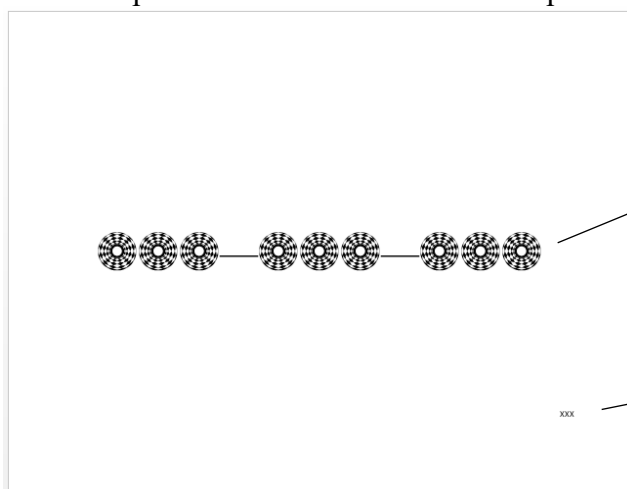
- Generate list of combinations of the locks
- Using “digit codes” file, replace each number with a three letter substitute (this makes the puzzles more difficult to decipher instead of a one-to-one correspondence).

	A	B	C	D	E	F
1	0	aOB			20	uhV
2	1	bPC			21	viW
3	2	cQD			22	wjX
4	3	dRE			23	xkY

- Create a spreadsheet with student name, lock number, three columns (one for each number in the combination), three columns for the code corresponding to each number. For example, Andy has lock #101. The combination is 4-6-36.

	A	B	C	D	E	F	G	H
1	lock	name	first	letter	second	letter2	third	letter
2	101	Andy	4	eSF	6	gUH	36	KxI
3	102	Vince	18	sfl	4	eSF	30	Erf
4	103	Melissa	31	Fsg	17	reS	23	xkY

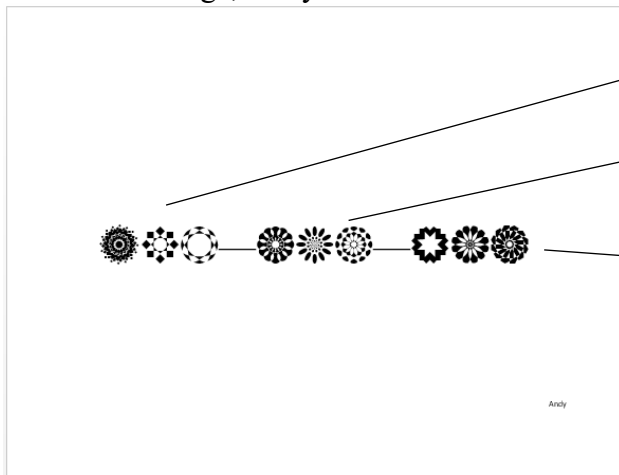
- Using mail merge to create lock combination for each student. I use the font “Wach-Op-Art” that I downloaded for free.
 - <http://www.1001fonts.com/wach-op-art-font.html>



Combination written in Wach-OP-Art font

Student name

- After mail merge, Andy’s clue will look like this:



“eSF” in Wach-UP-Art font corresponds to “4”

6

36

- Create a puzzle for each number 0-39. (I created two puzzles for 2, 20 and 25 just for fun.)

A bus can hold 24 adults or 30 children. 25 children are already on the bus.

What is the greatest number of adults that can still get on the bus?



These symbols corresponds to one of the numbers in the combination of the lock (in this case, four).

Digital Safe Box (042)

- Students must solve “Crack the Code” puzzle which will reveal the combination to the digital safe. (warning: there may be more than ONE correct code. Check)
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