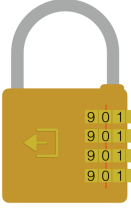
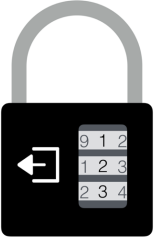


Brainstorm Worksheet

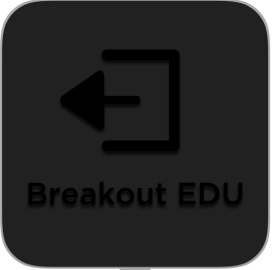
This guide below can serve as a visual mapping or brainstorming tool for creating your game. It can also serve as a quick reference for you or a new facilitator.

Course/Group:	M319: AP CSP
Unit/Topic: Point of Unit (before, during, after)	End of Sem 1
# of Participants:	26
# of Boxes Needed: # of Participants/Group:	4 per group (leftover--5?)
Target Date: Amount of Time Available:	Dec 7, 2017
Concerns about the Group:	None! They get frustrated if they don't solve problems quickly, but that's good for them
Objectives/Sub Topics:	
Backstory:	In 2009, a mysterious figure named Satoshi Nakamoto introduced the world's first cryptocurrency: Bitcoin. Ever since, the real identity of Mr. Nakamoto has remained a mystery. Some think "Satoshi Nakamoto" is a pseudonym for a single individual who is now quietly enjoying the life of a multibillionaire. Others think that "Satoshi Nakamoto" is actually a team of programmers and cryptography experts who collaborated to invent Bitcoin in secret. Some have even speculated that Mr. Nakamoto is actually eccentric businessperson Elon Musk. But you have recently discovered the truth. Satoshi Nakamoto was once a real person, but who is now deceased. As a true lover of cryptographic puzzles, he has left the world a series of clues in plain sight for anyone clever enough to see them. Successfully follow the clues, and you can claim his fortune of one million bitcoins. Or, if Mr. Nakamoto sold his bitcoins before his untimely demise, you may instead claim the items he bought with his valuable asset.
What's in the box?	Candy and stickers

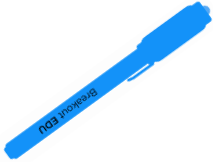
HOMEWORK:

LOCK TYPE	LOCK COMBO	WHAT IS THE PUZZLE?	WHERE WILL IT LEAD?	TEACHER SET UP	WHERE IS IT?	NOTES
 4-Digit Lock	4815	PUZZLE 3: Bits/bytes/binary www.tinyurl.com/satoshi4815	Puzzle 4, problems on the wall		Found on top of the big boxes in the cabinet	
 3-Digit Lock		N/A, using this on the small lock box				
 Directional Lock	UDLRD	PUZZLE 5: "Big Data" multiple choice problems	To the end! They will open the box and find stickers/candy		Under their desk for the last puzzle, includes Puzzle 5 and a Key inside of a page protector	

 Word Lock	CYBER	PUZZLE 4: 5 papers throughout the room, each with a programming puzzle returning a number and an “Internet” multiple choice. Must add together the results and convert to hex for DCABE www.tinyurl.com/satoshiDCABE	Under their desk for the last puzzle, includes Puzzle 5 and a Key inside of a page protector		Found around the room on the wall	
KEY	N/A	Just an extra freebie that they get for discovering Puzzle 5	Key under the desk along with Puzzle 5			
Smaller Lock Box With 3 Digit Lock 	319	PUZZLE 1: Number base conversion worksheet, leads to www.tinyurl.com/satoshi6150	Small lockbox	1st puzzle, given to students	Put on the small lockbox Highlight next worksheet in invisible ink, flashlight and puzzle in the little box	
ITEM TYPE	LOCK COMBINA	WHAT IS THE PUZZLE?	WHERE WILL IT LEAD?	TEACHER SET UP	WHERE IS IT?	NOTES

	TION					
EMAIL ADDRESS	BCFDE	PUZZLE 2: Email bobBCFDE@gmail.com , autoreply tells students the large box is in the cabinet. They will also get the next puzzle on the large box.	Leads to Puzzle 3 (students will also find the big box in the cabinet)	Put boxes in cabinet	Inside small lock box	
 Large Lock Box						
ITEM TYPE	What will we do with this?	What will this lead to?	NOTES	TEACHER SET UP	WHERE IS IT?	NOTES

 UV Flashlight					Put into small lockbox along with the next puzzle (Puzzle #2) Not hiding batteries this time.	
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ITEM TYPE	What will we do with this?	What will this lead to?	NOTES	TEACHER SET UP	WHERE IS IT?	NOTES
 UV Pen			Use this to highlight the right characters on Puzzle 2			
Other Item:						
Other Item:						

xzi

Other Item						

Materials for the puzzles <https://drive.google.com/drive/folders/13055yuKRBDaZG6CimKWQWzR1VD5smj6j>