



ARCANE GAME

Episode 1 - Colluding Conundrum

1. Classic

Egg + Plant = **eggplant**

2. Riddle Me This

The answer to the riddle is footprints or **footsteps**.

3. Just do it

By following the instructions, one eventually receives the answer which is **the journey**.

4. Go there and look for treasure

Find and run to the location on the photo. Underneath the bench is a small note with the password, **kerfuffle**, written on it.

5. Connect the dots

By connecting the numbered dots one will have drawn a **giraffe**.

6. Chain

The first image shows a chain of flags, where the last color of one flag is the first color of the next flag. Using the diagram as indexes into the corresponding country (the color indicates the left-most color in a flag, and they are also in order), e.g. Belgium gives 7, so take m. Doing this for all flags, one gets the answer **midyear**.

7. Lyrical

Each song in the audio file has lyrics that mention dots and dashes and is morse code. By taking each combination of morse code one gets the word **jumper**.

8. Placeholder

Going to the url gives a fake error page which changes every time one refreshes the page, with different number of exclamation marks and different number of plants. The number of exclamation marks is the position in the answer, and the number of sprouts is the letter in the alphabet to use (a is 1 etc). Doing this for all 6 letters yields 851454, which decodes to **headed**.

9. Lock-Err?

There are numbered lockers 1-26 with unique QR codes for each number on site. The QR code linked to from the image in the task contains UUIDs from each link in lockers' QR codes. Do number to letter and unscramble to get the solution **raspberry spaghetti**.

10. Follow the line

A map of Stockholm is drawn with a single line, but it has 3 breaks that can be found by e.g. attempting to coloring the line. Triangulating gives a position over Avicii Arena.

11. The double challenge

The game found at the given location has a setup with one screen and two keyboards. Each yellow letter on the screen has to be typed by the first keyboard, and each blue by the second keyboard. Each green by both. The paragraph typed indicates something to do with two - binary. Each yellow represents a 0, each blue a 1, and each green a divider. Translating this binary string to letters with ASCII, you get the answer **dingleberry**. Note that the game is designed to be hard to beat, but once you typed about halfway you could word-match the rest.

12. What's the latest?

The numbers at the top are coordinates into the block of letters. If starting at those coordinates and stepping north, east, west or south according to the letter, one obtains the letters "gossip". Entering these as password gives a hint about only being half way. Following the same instructions from the same coordinates but instead moving two steps at each letter, the word **sulcus** is obtained instead.

Episode 2 - Delicious Detritus

1. Puzzle Piece Communication

The first step is to assemble the puzzle pieces into a solved 10 by 5 structure. The second step is to figure out that each piece corresponds to a single letter, using the Puzzle Code. Translating the pieces gives you the information that the string revealed by the solved puzzle is encoded using a keyed Vigenère and that the key is abandonments. Decoding the string gives you the xxxdiscombobulatexxx. Once you remove the padding, you get the word **discombobulate**.

2. QRoD

At the location pictured one finds an incomplete QR code with only datatype (binary), length and data (ASCII) present, without error correction or field minimization. The code can be read manually from the bottom right to get the answer **fancy mentos**.

3. Remix

In each word, a number is hidden and scrambled. For example, exist has the number six in it. All the numbers from these words are six, one, three, five. This gives the word "face" which triggers a hint saying: "Correct! No need to count on that anymore." This alludes to the fact that the letters used to create numbers can now be discarded. If one takes the remaining letters from each word and smashes them together, one gets tesgtary. Solving this anagram yields the password, **strategy**.

4. Lazy Town

At the hinted location is a device with a temperature indicator that can be interacted with. The recipe description mentions three temperatures to use: 36, 45 and 14-15 degrees Celsius. Heat or cool the probe to the target temperatures and push the button in order on the device. An example to achieve this was to use warm and cold water from the nearby bathroom. The device then asks for the average of the previous temperatures as last input, before giving the answer **witchhat**.

5. Ode to a blind robot

Since it is a robot, it can only read the 1s and 0s, which in this case are represented by i and o. When you strip away all the other characters you are left with three lines of 1s and 0s which can be converted to braille. This braille translates to **broken**.

6. Double time

The quoted phrase indicates that one should use 2 letters at a time. If one uses 2 letters at a time from the phrase into the grid, where the first letter is the x coordinate, and the second letter is the y coordinate, e.g. "ea" points to the letter t, one gets some letters. As the last sentence indicates, if one sorts the square and then uses the position of the previously obtained letters, e.g. t is in the position of v in the sorted grid, one gets the answer **voluntarism**.

7. Not invited to the party

The phrase "song is man's sweetest joy" was written by the poet Musaeus, whose mother was reputed to be Selene, and is a clue to the theme of the puzzle: the moon. The following list contains clues to six famous scientists, poets, mythological people etc. Each of these people is an eponym for a crater on the moon. By taking the coordinates of these craters and finding the corresponding position on the Earth, one ends up in six different countries. The first letters of these countries spells "Mzimba", which is a city in Malawi. The final sentence is a reference to the time it takes for light to travel back and forth between the Earth and Moon, which is a clue that one needs to go back to the Moon. By taking Mzimba's coordinates on the Earth as coordinates on the Moon, one finds another crater and the answer to the puzzle, Daguerre.

8. NYT

The newspaper consists of four mini-puzzles, which are commonly used by New York Times daily puzzles.

Connections: The quote hints towards doing the same thing twice. Grouping them 4 by 4, one gets the following categories: guitar, bass, singer, drums. Doing this one more time on the categories yields the word "band".

Strands: Solving strands the normal way will give the spangram "colors". The quote hints how the strands grid should be used together with the mini-sudoku - from top to bottom.

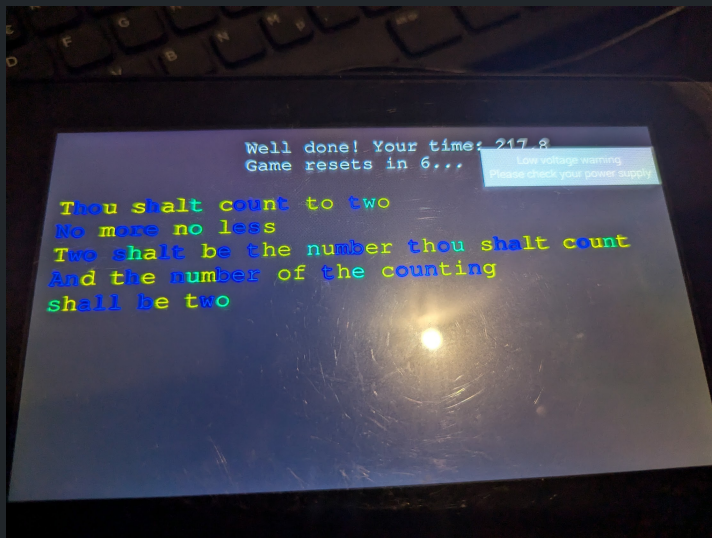
Mini-sudoku: The quote hints towards what numbers should be used after solving it - the highest and the lowest, 6 and 1. Overlaying the strands-grid and reading top to bottom (doing it for 1s and 6s separately), one gets the words "superb" and "pyknic".

Letter boxed: While letter boxed can be solved in multiple ways, only one way is going to yield the answer - using the previous 4 words and the word "digit" (as hinted by the quote). This can only be arranged in one way to adhere to the letter boxed rules: pyknic-colors-superb-band-digit. The quote also hints towards using each word on its own, as well as ignoring "digit" (as it is only needed to get the letter boxed solution, not the task solution). Drawing lines for each word (as is done in letter boxed), one draws a letter. Pyknic draws "R", colors draws "S", superb draws "V", band draws "P", yielding the answer **RSVP**.

9. Play fair now

By playing the described Chess game, one finds that some of the moves are illegal. One can then generate a playfair square with the key BEAUTY and overlay it on the positions on the board of the illegal moves, there is only one position for it. Stepping through the positions one at the time spells out the password: **against**.

Images of the physical tasks



We hope you all had a great time playing the game, and hope to see you again next event!
We are be happy to receive feedback, ideas and comments to the feedback to the bot on Discord.
If you are not already on discord, use this link: <https://discord.gg/GmQwBD4>
If you have photos/videos/some other documentation related to Arcane Game (memes are very appreciated!),
you are most welcome to send a link to it to the same feedback bot.

Arcane Crew [Ankan](#), [Gditz](#), [Ninja](#), [Renanyuu](#) and [Svennis](#)