



ARCANE GAME

Episode 1 - Curious Collectors

1. Classic

Cross + Hair = **crosshair**

2. Unfathomable

The shadows of the green figures in the bottom of the picture gives the answer **live** upside down.

3. Run

By going to the stairs shown in the picture and looking where the green arrow is pointing, a note with the word **branch** can be found.

4. Stay Positive

The Genie is known as Akinator. Go to <https://en.akinator.com/game> and "stay positive" by select yes on all questions. This gives the answer guardworm from Spongebob. All categories work, so if you chose objects and got everything or animals and got a **berger picard**, they were also accepted answers.

5. Hype Near Me

By extracting all the dots and hypens in the text and decoding each row using morse, the word **baron** is found.

6. X Marks the Spot

By drawing two lines connecting the places on the map, it is revealed that they intersect in the D hall, close to the railing of the bouncy area and the BYOC Lan. By going there and looking, you can find a small QR code note which contains the answer, **promenade**.

7. Classical music

The sound file has visual information hidden in it. Opening the midi file in a midi editor will let you see a star, a plus sign and a fish drawn with the notes. This rebus gives you the answer, which is **starfish**.

8. Tight Schedule

Opening the calendar in a ics-reading-program (such as Google Calendar) will give you loads of weird events. By grouping events by day and searching for all event descriptions on that day together, you'll find out that some groups of events are missions at a planet in the game Ratchet And Clank (2002). For instance, "Search the laboratories" and "Traverse the wilderness" are done on the planet Orxon, resulting in the letter O. Taking the first name of each planet, with planets ordered by date of the events, you will get the answer **organ**.

9. IRL Critic

The text hints towards the website <https://what3words.com/>, which is a coordinate system of the world using three words to describe a spot. Thus, <https://what3words.com/outright.veered.drain> leads you to a corner in Lobby Syd. There you would find a machine which you had to pass the verifications of all prompts provided. The prompts were: "A bag of chips on your shoe", "A mobile phone on your arm", "Make a peace sign with your fingers on a can" and "Your eyes for a retina scan". If you take the first letter of all the objects that have the word "your" before them, you get the answer "**safe**".

The device used openai's CLIP to detect the different phrases (<https://github.com/openai/CLIP>). Disclaimer: Don't try to get this running on a raspberry pi, it was a real pain and we ended up having another machine to run the model instead.

10. Characters NOT Welcome

Each song is from a famous children's TV show. Each song is used in the opening of the TV show. If you watch the videos closely and ignore the characters, one object is in focus during the generated noise parts of the songs, oil, book, sword, egg, safe, slingshot. The first letter of each of these spells out the word, **obsess**.

11. A Colorful Journey

The URL goes to a tetris-and-snake-combined game. The title hints towards it being something with colors. When the food-color and the snake color is the same, you should take the first letter from that color. Then you get the answer **corby**.

Episode 2 - Dubious Detectives

1. Do you see or do you feel?

Frozen + Yoga + AA - AAA + Hurt = **frozen yoghurt**

2. What a View

Each vertical strip is an elongated barcode. The barcodes are all of famous inmates, real and fictional. By taking the first letter of each prisoners name from left to right, you get the word **blanks**.

3. Ears On

In the background of the guards conversing, a conversation through the use of tap code is on going. By listening to the taps and deciphering it, you get: "met" "y" "whr" "w prk lot nw lmp pst" and "rgr". If you go to the arranged meeting place, the West parking lot and go to the Northwest most lamppost, a note was posted on it saying **fortuitous**, which is the password.

4. Betta Mazed in Front

The image is in fact a 5x5 matrix of letters using the Betamaze font. It reads GOANDFINDROSALINDANDHOPSY. Rosalind and Hopsy are nicknames for the creature depicted on the Corpus Clock at the Corpus Christi Library in Cambridge in the UK. The beast on the clock is named **chronophage**, which is the answer.

5. I am the Bee side

The texts refer to movies. The title and text hints at the movies not being quite what is sought after. The key is finding the songs that are named the same and who the performing artists were. Taking the first letter of each artist you get the word **dieback**.

6. Invisible Safe

In the video, the frames are of varying widths. By taking the square frames as dots and the wider frames as dashes you can get morse. The feet are used as whitespace and the vegetables indicate a new word. This gives you three words, Egypt, Angola and Japan.

The ringing telephone is meant to lead you to connect the countries with telephone numbers. Each country has a telephone code for calling and these are 20 244 and 81 respectively for the listed countries.

The walk shown on the video leads you to a sign with a reference to the showers at Dreamhack. Underneath the stairs close to the showers, is device with a 8-bit binary LED display with IR leds. These are only visible on camera. The device also has a button and a potentiometer, which is used for setting the value. If entered correctly all LEDs will blink and then display ASCII for the word **phantom**.

7. Ignoring emptiness

Some of the words listed are palindromes. If you encode each word as 0 if it isn't a palindrome and 1 if it is a palindrome, you'll get 5 binary numbers. Translating these from binary to letters (A = 1, B = 2 etc) you get the word "morse". If you then look at the morse of each word instead, and encode it the same way as before, 0 if not a palindrome, 1 if it is (ignoring spaces, as title hints), you'll get another word, **rails**, which is the answer.

8. 1 has 2

You are shown a picture of the board game Carcassonne with chess pieces on it, as well as an URL to a video. The music of the video is "Mario Elevator Music" and can be found using e.g. Shazam. That music title (and it's filename ThereAreFourOfUs.mp4) refers to four devices next to all elevators in Lobby Syd, where the huge Mario figure is located. Each device has 2 smells, as well as a label with a chess position. The smells match labelled locations on the board game picture. The chess position matches the starting position of a chess piece placed on the board game. If you draw lines from the relevant chess piece and its associated smells, you can interpret it as a Semaphore letter.

For instance, one set of devices had "E1" with garlic and citrus smells. This refers to the white king's starting position, which is placed horizontally in the middle of Garry's Garlic Knots and Caesars Citrus Fruits. Thus, the semaphore letter is R. Doing this for all 4 devices and by anagram solving it, you get the answer **pear**.

9. Inspiring journey

The link directs you to download a game on a website. There are 2 games but the title suggests you take the old school option, which is called TrackMania Nations Forever. After installing the game, you can open the link from the task with the in-game browser. This shows you a menu with 6 options listing, each a city in the world. These are Florida, California, Tokyo, Paris, Hong Kong and Shanghai. These cities all have a Disney Land or World park.

Each option on the menu is a separate map in the game which consist of a dirt playground with checkpoints scattered about. Spires are located in each corner of the maps as well. If you drive into a spire a cinematic camera attached to a ghost car will play. As the ghost car drive, it paints a path through the checkpoints. These paths are meant to show constellations, one for each map. By using the hint about Disney and the constellation, you can link each map to a Disney movie. So for instance, the map for California reveals the constellation Cancer and depicts a crab. The most famous Disney movie featuring a crab is The Little Mermaid. By doing this for all maps, you end up with 6 Disney movies.

By taking each movie's chronological release number, which is easily found on their respective wiki pages, you get the numbers 44, 28, 1, 30, 19 and 35. Since some of these numbers are a bit too high, a modulus 26 operation should be run and the numbers you get then are 18, 2, 1, 4, 19 and 9. Converting these to letters gives you the letters rbadsi. If you re-arrange them with an anagram solver you get the word **braids**.

Images of the physical devices



*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, Burnedram, Gditz and Renanyuu**