

## Captain Hayes' Journal

Ahoy ye treasure hunter,

If you are reading this, then you have found me treasure chest. Inside this chest is me life's fortune. In order to ensure that it does not end up in some scallywag's hands I have sealed me soul within its walls and armed it with numerous challenges. Only a worthy treasure hunter may open me chest by overcoming the challenges laid out before them, aided by only the notes in this very journal. I will provide you with two bits of information before you begin your quest:

- In order to solve the challenges, follow the golden trail. It will surely lead to golden treasure.
- Me spirit will most likely have been a slumber for many moons. To awaken it, it will need to feel the warmth of the living once more.

Date: 04/12/1718

Today on this beautiful day, misfortune has befallen me. No wind was had for hours. The sea, she was the calmest I had ever seen. So calm was she that her surface looked like glass, casting a perfect reflection of the blue sky with its fluffy white clouds. I peered through me telescope in search for land, when suddenly the sun's harsh rays radiated from behind a slowly moving cloud and were reflected right into me eye! Me eye swelled from the irritation, the whites turning a bright red. Me crew began addressing me as Captain Red Eye. In an attempt to halt the spreading of this nickname, I tried to cover the eye. But it was too late, and the name has stuck. I never imagined in me pirate career that this would be how I earned me pirate name.

Date: 06/21/1718

After sailing for many moons, we have found land. While scouring the land for hidden secrets, me crew and I made our way through a dense forest. It was almost like a maze. To avoid getting lost, we recorded each time we saw a blue mushroom or a green mushroom. I found it quite strange that we only saw two colors of mushrooms in this tropical forest.

Date: 06/30/1718

Today one of me mates almost discovered me secret stashing place -- me wooden peg leg. I had this leg custom built with a hollow shaft so that I can store me small valuables in there. That way they are always on me person. Besides, who would think to steal me own peg leg?

Date: 07/03/1718

While searching the island for treasures hidden or lost, I had a crew member create a crude map. As we explored, I gave certain areas a name that I thought fit the location. We

discovered three interesting locations that may hold treasure. I will encode them here in case my journal is compromised. We will have to go back and search for treasure at these locations later.

- agnella poor
- pelt prior
- acosta doges

Date: 07/15/1718

Today I had to explain to one of my navigators how finding the centroid of a triangle works. These buffoons really need a better education. You simply make a line from each vertex to the middle of the opposite meridian. Where the three lines intersect is the centroid. Like really, this should be common knowledge in the pirate business.

Date: 07/20/1718

I write this entry in great haste and with great sadness. While on this cursed island, my crew and I have fallen seriously ill. I fear I will not make it to the end of the week. I have decided to bury my treasure on this island before I come to pass. Maybe it will bring another treasure hunter happiness one day. Knock on wood!

## Step-By-Step Guide on How to Open Captain Hayes' Puzzle Box

### Puzzle #1: Temperature Puzzle - Journal introduction

- Keywords: warmth
- Solution: Place either your hand or finger over the temperature sensor. The puzzle is solved after the temperature sensor senses a change of +0.5 degrees Celsius from the baseline reading.

### Puzzle #2: Photoresistor Puzzle - Entry #1, #3

#### Part 1.0: Shine On - Entry #1

- Keywords: sun, telescope, reflection, red
- Solution: Remove the cardboard sun to reveal a laser pointer. Remove the cardboard telescope to reveal a hole. Take the dowel provided and stick it through the hole to turn on the laser pointer. But how do you reflect the laser beam?

#### Part 1.1: Reflection - Entry #3

- Keywords: peg leg
- Solution: Look at the back of the box. There is a very conspicuous drawer. If you try to open it, you will find it does not open. To open it, remove the leg directly under the drawer. This leg has a dowel in it that holds the drawer shut. With the leg removed, open the drawer to reveal a mirror and an eyepatch. Close the drawer and replace the leg to ensure stability for the box. You can now use the mirror to reflect the laser beam into the eyeball that has the red LED. When the LED turns on, you have successfully solved the first part of this puzzle

#### Part 2.0: Cover Up - Entry#1

- Keywords: cover the eye
- Solution: Take the eyepatch you received from the not-so-secret drawer and place it over the skull's red eye. The skull's other eye should then light up blue.

### Puzzle #3: Button Sequence Puzzle - Entry #2

- Keywords: blue, green
- Solution: Find your way through the maze on the front of the box. Once you have found the correct path, count how many green and blue dots you had to pass by and in what order. If you take a look at the buttons, you will see that one button has a green dot underneath it and the other button has a blue dot underneath it. Use the buttons to input the sequence of mushrooms you had to pass by on the path to complete the maze. The correct answer is green, green, green, blue, blue.

### Puzzle #4: Piezo Secret Knock Puzzle - Entry #3, #4, #5, #6

#### Part 1.0: Decoding the Locations - Entry #4

- Keywords: encode
- Solution: The Captain has listed the three locations in this journal entry, but has encoded them in case the journal is compromised. To decode the names of the

three locations, simply rearrange the letters of the words provided. This is a fairly simple anagram puzzle. The three names you should get are:

- Peril Port
  - Seadog Coast
  - Pearl Lagoon
- A quick glance at the map shows that two of the locations cannot be found.

#### Part 1.1: Finding the Locations

- Solution: The top portion of the map appears to be removable. Slide the chunk off the box to reveal the real top portion of the map, and the locations of the two other places. Now what?

#### Part 2.0: Finding the Purpose of the Locations - Entry #3

- Keywords: hollow shaft, peg leg
- Solution: Find the leg with the hollow shaft. The correct leg is the back left leg. Inside the leg you will find three magnets and a small piece of paper with a hint that reads Green = Soft, Blue = Hard. Replace the leg and then place the three magnets on the three locations that you had to find.

#### Part 2.1: Still Finding the Purpose of the Locations - Entry #5

- Keywords: centroid of a triangle
- Solution: Do as the Captain explains in this journal entry and find the centroid of the triangle you have created with the three locations you had to find. The center should be near Hook Lagoon.

#### Part 3.0: Knock knock! - Entry #6

- Keywords: knock on wood, green = soft, blue = hard
- Solution: Based on the contents of this entry, we know that the Captain buried his treasure on this island. We also obtained an obscure hint from the hollow leg. The only place we have seen the colors green and blue is from the button sequence puzzle on the front of the box, where we know the correct sequence is green, green, green, blue, blue. If we translate this sequence using the hint, it translates to soft, soft, soft, hard, hard. The journal also uses the phrase knock on wood. If you knock this new sequence at the correct levels on the centroid of the triangle, you will have solve the last puzzle and complete all of the Captain's challenges! The servo hook arm will then move down to allow the player to open the chest's latch, revealing a tray of golden and silver chocolate coins to feast upon.