

# Science & Humanities 2018 Documentation

## Warm-blooded

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### 1 Introduction

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**Initial plan:** When I was little and alone at home, the feeling of blood circulation caught my attention. Sometimes when I was bored in quiet environment, I would follow the perception to generate heat for fun. However, I haven't asked or search about these perceptions. During the course of Science & Humanities, I started to ask myself more and more "unnecessary" questions. Then I got curious about the studies of internal perception. For the course project I planed to write an essay about the possibilities of internal sensory researches.

**Too naive:** After reading some materials, I decided to do a further information search before starting the essay. I discovered some technical words and even found a discipline which I never heard of. Apparently, people started to study "interoception" since early to mid-1900s and some basic experimental researches also existed. The study area doesn't cover everything in my planed essay content, but I changed my mind to make something little and more specific.

**Result:** From all the interoception-related topics, I choose to focus on thermoregulation and made reflections to the related course discussions (induction/deduction, revolution, new method, anarchistic etc.). The result is a story-line based adventure game. Some details in thermoregulation topic was applied to the game variables. It should need some patience to finish the game as naked adventure. Therefore, I made a walkthrough guide (below) to be efficiency friendly. Please open the source code in the processing program if you do not use Mac operating system.

### 2 Game Walkthrough

1. Use left & right keys to move to the blue box: Dialogue 1 (perception)
2. Stay in the blue or yellow box for a while: Dialogue 2 (perception interpretation)

3. Move to the thermometer: Dialogue 3 (new tool)
4. Stay in the blue or yellow box until get ill: Dialogue 4 (new perception interpretation)
5. Move to the "?" mark: Dialogue 5 & Choice 1
6. Choose to think (deduction): Dialogue 6 (rules based on logic)[jump to Step 8]
7. Choose to try (induction): (experience more)[jump to Step 8(crisis and revolution)]
8. Stay in the pink box for a while: Dialogue 7
9. Stay in the yellow box for a while: Dialogue 8
10. Stay in the brown box for a while: Dialogue 9 (moving makes your body temperature increase)
11. Stay in the blue box for a while: Dialogue 10
12. Move to the "?" mark: Dialogue 11(think) or 12(try)[when passed by the brown box]
13. Reach the "?" mark: Dialogue 13 & Choice 2
14. Choose to believe science(brain science): go to Steps 15-16
15. Stay in the blue box to get cold: Dialogue 14
16. Move to the "?" mark: Dialogue 15
17. Choose to believe sudo science(Qi): go to Steps 18-19
18. Stay in the pink box to get focus: Dialogue 16
19. Move to the "?" mark: Dialogue 17
20. Move to the "!" mark: Dialogue 18
21. Move to the red door: Dialogue 19 & end of game chapter

### 3 Future Chapters

Since it is a 12 hours' assignment, the internal thermo-sensory researches were not covered yet. Until now I couldn't find published experimental researches on voluntary heat generation. This topic can be included as possibility discussions in future chapters of this game. Also, in future chapters the chosen believes might be changed or altered based on new experiences.

## 4 Dialogues

Here is a list of all the dialogues in the game:

1. These places give me different feelings
2. Hot or cold places make me ill
3. I found a new way to measure warmness and coldness
4. I was wrong. It was my own temperature changes that make me ill
5. How did my temperature change?[choose between 'Let me think' and 'Let me try']
6. I calculated the rule of body temperature, let me test it out
7. I become a bit colder when I stay very quiet
8. Being quiet doesn't always make me cooler
9. I get a bit warmer when I move
10. I get too weak to keep moving
11. I should compose a new rule based on new observations
12. My survival depends on my ability to generate heat
13. I need to learn more [choose between 'learn about brain' or 'learn about Qi']
14. Coldness triggered my brain to signal my brown adipose tissue to generate heat
15. I need more researches
16. I will be able to control my body to generate heat whenever and wherever I want
17. I need more practices
18. My adventure continues from here
19. So as yours, my warm-blooded friend