

Instruction Sheet

- 1) You will be provided with an instructional video to watch on how to hold and operate the Rubik's cube for this experiment <https://www.youtube.com/watch?v=wLuVF9Dk3AQ>
- 2) You now have 10 minutes to practice operating the rubik's cube using this technique. The Rubik's cube instructional sheet provided are the rotations you should practice using the learnt technique. You can rewatch the video at any point during this time.
- 3) For point of orientation the white plate with the Rubik's logo on it should face towards the participant upon starting the experiment, this will represent the 'Front' or 'F' side of the cube. And the participant should orientate the other rotations instructions around this.
- 3) In Experiment I (Neutral Encouragement) you will be play three rounds. The first two are practice rounds and the third round is the test phase.
- 4) The Robot will list a set of 8 rotational instructions twice, for you to memorise.
- 5) When instructed by the phrase 'Start Round' You will then need to recreate these instructions using the taught technique from instruction 1. You can ask for as many repeated instructions as you like.
- 6) The end of the practice round will be announced by the word 'Stop, End of Round'.
- 7) The same rules apply for the second practice round you will be asked to repeat the task as accurately as possible.
- 8) The final test round you will be asked to repeat the task as quickly and accurately as possible.
- 9) This process will repeat for Experiment II (Positive Encouragement) and Experiment III (Negative Encouragement)
- 10) You can ask for the cube to be reset at any point to restart the attempt at the rotational pattern.