Tutor Instructions: Finite State Automata

Each group of students is given a piece of paper with a Harry Potter related sentence on it (e.g. "I pledge my allegiance to the Dark lord to avenge Lily"). They then follow the instructions on the chamber posters until they arrive at the final chamber which will give them an answer phrase.

There are 3 puzzles for them to solve - Green, Red and Blue. Students will find an answer phrase, and create a node map for each labyrinth.

Tutor assistance:

Setup

Some tutors will be needed to help blue-tack the chamber posters around the foyer.
Make sure to mix up the Green, Red and Blue chambers to create a more challenging path

Handout materials

- Some tutors will be needed to hand out materials to the student groups and point them to their starting chamber. Each group will need a sentence and pens

Green: starts at chamber 1Red: starts at chamber A

- Blue: starts at chamber Z

Check answers / assist

- Roam around and see if any groups need help. Encourage students to work as a team.
- Students can come to you to verify their answer. Answer sheets can be found at the front of the room.
 - If their answer is correct, they can get a sentence for the next coloured chamber. Tell them/point them to the starting chamber for that colour.
 - If they have finished all 3 puzzles, get them a map from the front of the room. They should fill in the nodes/pathways to map out the labyrinth.
 - If they have completed all of the above, suggest an extension

Extensions

- Trying to make a fully connected node map based off the posted signs
- Trying to find the shortest route from the start to a specific answer
- Trying to concoct other sentences that will result with an answer
- etc.