

# Club Engineer

The magic is in the code

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## Organisation tasks for me

Competition date is: .....

Competition location: .....

Simulated competition: .....

Final build & coding session:.....

My robot name will be: .....

I will be entering:

- Riley Rover Rescue
- Primary Rescue
- Secondary Rescue
- Advanced Rescue

Weeks to go:

- |                             |                            |                            |
|-----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> 12 | <input type="checkbox"/> 8 | <input type="checkbox"/> 4 |
| <input type="checkbox"/> 11 | <input type="checkbox"/> 7 | <input type="checkbox"/> 3 |
| <input type="checkbox"/> 10 | <input type="checkbox"/> 6 | <input type="checkbox"/> 2 |
| <input type="checkbox"/> 9  | <input type="checkbox"/> 5 | <input type="checkbox"/> 1 |

## Things I need to bring

- My robot
- Laptop loaded with Lego software
- Laptop charger
- Mouse
- USB Cable to connect my robot
- 12 x AA Rechargeable batteries and a charger
- A box for my robot and some spare pieces
- A USB Flash Drive for backup of my programs
- Some tape & cable ties to fix emergencies

## Things I need to practice at home

- Practice at home backup and restore of my programs
- Read the Rescue rules at home with a highlighter and mark key points
- Build my robot

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## Things my robot must do - Riley Rover Rescue

- Large doorway
- Simple line tiles - 1 sensor
- Detect chemical spill
- Find victim (cut the cake)
- Bridge
- Calibrate program
- Calibrate spreadsheet
- Simple line tiles - 2 sensors (Optional)
- Find victim - proximity sensor (Optional)

