Club Engineer

The magic is in the code

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:

☐ 12	☐ 8	☐ 4
☐ 11	☐ 7	☐ 3
☐ 10	☐ 6	☐ 2
☐ 9	☐ 5	☐ 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 Rechargable 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 - Primary Rescue

- ☐ Small 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)
- ☐ Water tower
- ☐ Speed bumps
- ☐ See-saw
- ☐ Turn hints
- ☐ Elevation blocks