



Programming Challenge  
Mission Planning Guideline

Team Name: \_\_\_\_\_

Team Members: \_\_\_\_\_

\_\_\_\_\_

Use the space below as a guideline to record information about the challenge. You may add more details if needed.

Problem Statement: (One simple sentence) \_\_\_\_\_

\_\_\_\_\_

Event Details:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_



If you can think of more than one option, use the next two or three pages as a guideline to Record those options.

Option 1 Plan: (Path name) \_\_\_\_\_

SKETCH:

Option 1-Advantages

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Option 1-Disadvantages

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



Option 2 Plan: (Path name) \_\_\_\_\_

SKETCH:

Option 2-Advantages

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Option 2-Disadvantages

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



Option 3 Plan: (Path name) \_\_\_\_\_

SKETCH:

Option 3-Advantages

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Option 3-Disadvantages

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



Option Selected: (Path name) \_\_\_\_\_

State reason selected: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

FINAL SKETCH:

Pseudo Code

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



**PROGRAMMING:**

After you are finished drawing your final sketch and writing your Pseudo Code, present this document to the judge. Once the judge approves your plan, you may program your robot and test your code.

**TESTING:**

Did your robot succeed the first time?

**PROBLEM:** If no, why? What problem did you have?

**SOLUTION:** How did you fix it or how would you plan to fix it if you had more time?