

This is a set of instructions for the bare minimum of information a programmer needs to have a fully functional robot using C++, eclipse, and the SampleRobot class; and for vision with USB cameras, a raspberry Pi, and Python. The code shown is one of many methods, and there is no 'proper' one. The point of robotics is for everyone to find their own solution. You can and should use the programming information taught here to write whatever code and structure you see fit.

Links:

- <https://docs.google.com/document/d/1ixnlxtatkvbAQYAeFJCxEzeEHhEGPgEvXfRSWTvZFMM/edit?usp=sharing> To access this introduction and by extension the chapters
- Use <https://www.jdoodle.com/online-compiler-c++> to test/play around code
- Use <https://wpilib.screenstepslive.com/s/4485> to download Eclipse and general reference: Any information not provided in this manual, you will find here or below
- Use <http://first.wpi.edu/FRC/roborio/release/docs/cpp/> for documentation on WPILib
- Use [frcrobotics203@gmail.com](mailto:frcrobotics203@gmail.com) to contact the author with questions and concerns

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Any chapters or sections not yet published will be released over build season 2018