**Can You Build A Lego Robot?**

**By: Carter P.**

LEGO robotics? Not many people have heard of them, are you one of those people? LEGO robotics can be a useful, but key process if you use technology. Here are three things you will need to know about LEGO robotics if you want to use them, a mission, a design, and effective programming. This is like soccer’s passing, dribbling, and shooting.

To begin with, you will need to create a mission. A mission is made up of three parts a problem, a solution, and teamwork. This is like soccer’s dribbling because it set’s you up for success. To be successful in a LEGO robotics mission you need to create a problem this is probably the most important part of creating a mission because you need something to do with your robot. The next thing you need to know is your solution which is how you fix your problem. This is almost as important or equal to the problem because this will give you the framework of your entire mission. I can remember when our P.E.N. teacher Mr. Marshall introduced us to our trash and recycling LEGO robotics mission and told us that we had to solve a composting mission a sorter mission and so on and then he gave us the amount of points per mission. The final thing that makes a mission is team work because without teamwork you would not be able to successfully do anything.

Secondly, you will need to create or find a design that best suits your mission. This is like passing in soccer because it is two thirds of the way to being successful. In my P.E.N. class we did this and it helped us to get to programming faster. This would be called the experimenting stage where you would keep testing new designs and seeing if they work.

Lastly, you need to program both effectively and efficiently. This is like soccer’s shooting because it finishes what you have started. This is essential because you can’t finish a mission without telling your robot’s computer what to do. If you are able to program both effectively and efficiently you will be able to push your robot to its limits. You also need to know how your robot works if you want to do this step correctly.

In conclusion, you now know that you can always look to LEGO robotics to give you an awesome but difficult process through the three steps of creating a mission, making a design, and efficient programming. So as a result you now know how the LEGO robotics process works. This process is also comparable to soccer’s dribbling, passing, and shooting.