GOOD BUILDING IDEAS

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INTRODUCTION

There are many ways to mount sensors, and motors, or build a good chassis some ways are better than others, and some worse. In order to do these things you will also need a variety of tools and materials.

SENSORS

- When mounting a sensor like a light sensor you want to make sure it is easy to get to so that you don’t build your whole robot around it on accident. Or if you put the light sensor somewhere kind of easy to get to and later on you add parts onto your robot to score points and accidently build your robot so that you can’t get to it then you might have to take apart the robot just to get to the light sensor

SENSORS

- When mounting a vital sensor like a light sensor to your robot you want to make sure it is easy to get to so that you don’t build your whole robot around it on accident.

SENSORS continued

- If you put the light sensor somewhere kind of easy to get to and later on you add parts onto your robot to score points and accidently build your robot so that you can’t get to it then you might have to take apart the robot just to get to the light sensor.

SENSORS continued

- Then you'd have to put your robot back together then move the light sensor. So what I suggest doing is that you build your robot the way you want then put the light sensor on somewhere easily accessible.

SENSORS continued

- If any you have accidentally done what I have said in the last few slides about sensors witch I doubt any of you have then it was probably an accident and you just where adding things on to benefit the robot and the team.

SENSORS continued

- Also if you add any parts that will conflict with sensors you should take off the sensor and build what you need to build then put the sensors back on with u glue so that you don’t have any problems with them later on.

MOTORS

- When mounting a servo or motor on a CBC robot, you should mount the motors onto the chassis first so that the robot can move. Then you can add on servos or motors to attach arms or an appendage to.

MOTORS continued

- If your using an arm or appendage when mounting the motor or servo you should try to make it so that if the servo horn brakes or anything happens to the motor or servo and you need to replace it you can do it without taking the whole arm off just to replace one motor.

CHASSIS

- Now when you build a chassis, if you have to, there is one thing that is absolutely vital. Your chassis has to be supportive of your robot. If it’s not it could very well rattle apart during a practice run or at the competition.

CHASSIS continued

- If you need a chassis then there is one provided in the kit that is great for a CBC robot. Or if you have already used that one there is a plate that you can put two motor mounts on where you need them and you're done

CONCLUSION

- After looking at a lot of ways to mount a sensor, and motor or build a good chassis, I have learned that if I do what I know to do, my robot will be built well. It is important to understand why all the steps are important to secure a well built robot.