

Coaching Tips

First Lego League

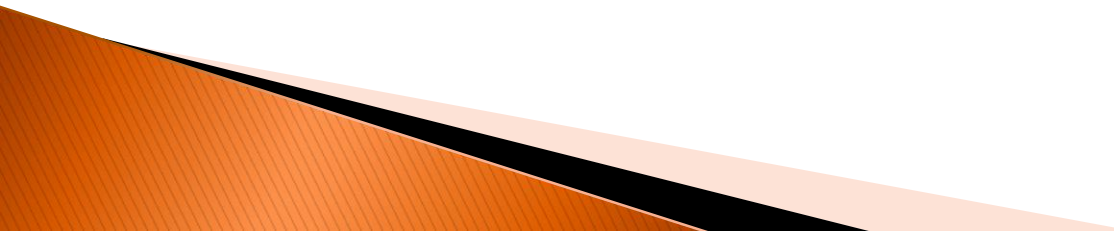
Arizona State University

Ira A Fulton School of Engineering

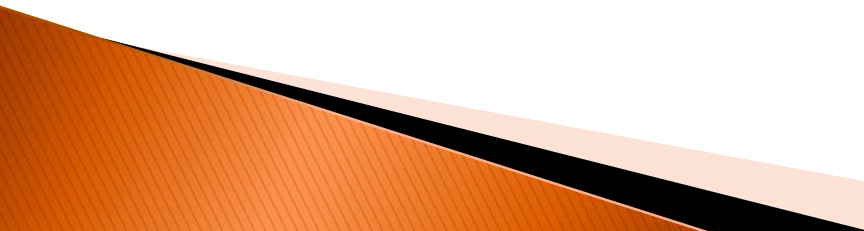
Read the Rules!

- ▶ **Can be found at www.firstlegoleague.org then follow the links**
- ▶ **Keep up with the changes**

My Philosophy

- ▶ **Why do the kids build and program the robot?**
 - ▶ **Why do the coaches not need to be programming wizards?**
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Things to do and why

- ▶ **Read the Rules!**
 - ▶ **Register the team**
(<https://my.usfirst.org/fl1/tims/site.lasso>)
 - ▶ **Make a budget – fees, Lego kits and parts, snacks, storage bins, tee shirts, travel**
 - ▶ **Establish a meeting schedule**
 - ▶ **Establish team objectives**
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Things to do and why (cont.)

- ▶ **Set up regular communication**
 - ▶ **Make a do-by-date list**
 - ▶ **Establish team rules**
 - ▶ **Share practice with other team (s)**
 - ▶ **Keep a notebook**
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Tournament

- ▶ **Typical agenda**
- ▶ **Scoring sheets/judging rubrics**

Bring to Tournament

- ▶ **Robot**
 - ▶ **Posters for Project and Team/Core Values**
 - ▶ **Spare parts**
 - ▶ **Notebook**
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Bring to Tournament (cont.)

- ▶ **Practice table if allowed, practical (be prepared to share)**
- ▶ **Power strip and extension cords**
- ▶ **Food, snacks, water (designate parent)**
- ▶ **Label everything!**

Consistent - Inconsistent

- ▶ **Plastic toy**
- ▶ **Participants are children**
- ▶ **Batteries**
- ▶ **Mat versus Table (Read the Rules!)**

Possible Solutions

- ▶ **Use the walls?**
- ▶ **Use a starting jig?**
- ▶ **Use sensors?**
 - **Gyro**
 - **Ultrasonic**
 - **Color**
 - **Touch**

Contact info

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