

# ***FIRST<sup>®</sup> LEGO<sup>®</sup> League***

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## LESSON 7: ALIGNING IN LAUNCH AREA

SESHAN BROTHERS

# USING MARKINGS IN THE LAUNCH AREA

- Aligning before you launch helps your robot get a good start
- Notice that the Launch Area has markings like a grid. Use these marks to start your robot in the same spot each time
- You can also use the text or logos in Launch Area to align your robot (eg. Start at the top of the red box surrounding the word *Challenge*)



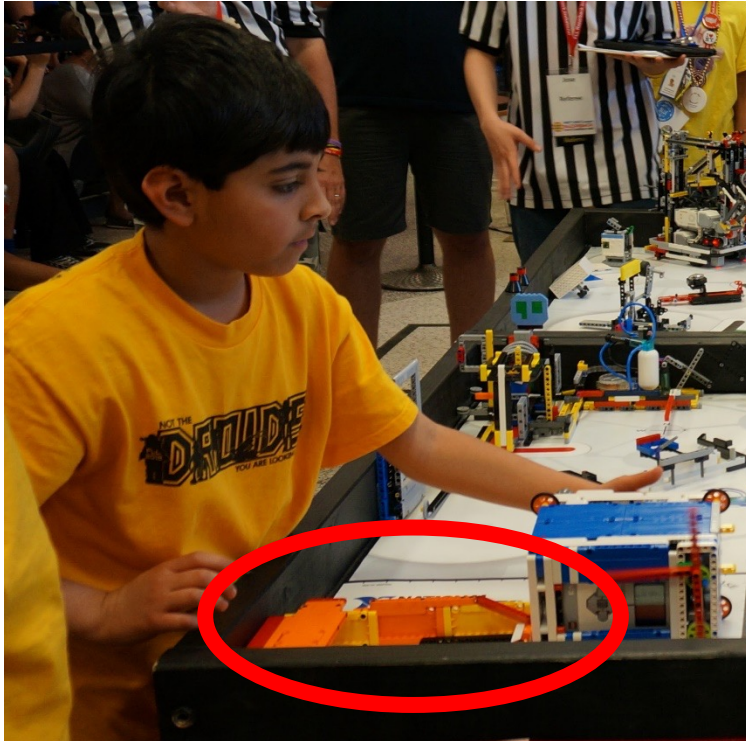
Sample mat from past season

# OTHER GOOD PRACTICES FOR ALIGNMENT

- When you begin your run, consider backing into the wall to straighten out before you head out of the Launch Area



# USING JIGS



- Jigs are LEGO guides/rulers that the team places in the Launch Area
- The robot is pushed against the jig for alignment
- Jigs can be made from any LEGO elements (including Duplo)
- Read the rules carefully to check if a jig can extend outside the Launch Area and if you are allowed to hold it in place or not (rules can vary every year)

# CREDITS

- This tutorial was created by Sanjay Seshan and Arvind Seshan
- More lessons at [www.ev3lessons.com](http://www.ev3lessons.com) and [www.flltutorials.com](http://www.flltutorials.com)



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