

Welcome to WISER 2014 (World conference on Integrated STEAM) (TEAMS)


## A Lintile Alo

- I teach STEM at Kosciuszko Middle School in Hamtramck

- Hexpritanckide aftnelkcity of



## I've been coaching robotics for 15 years



## A lot has changed since then...

\author{

- first came the NXT
}

- and now EV3



## I started with FIRST

For Inspiration \& Recognition of Science \& Technology


# I've also participated in 

 Robofest Fashion \& Dance


## Hokey \& Pokey

## One of the biggest challenges for me as a coach is...



# One of the biggest challenges for me as a coach is... 


selecting the team

## Every team that I have ever coached has

 always had one recurring problem... too many kids, not enough spots

What do you do if you have more kids than spots available????

# Start with a simple application 

- This will give you an idea of how many kids are
- bHsuallewsartqousfanding interested.

Preliminary Application For FIRST Lego Team

NAME: $\qquad$

GRADE: $\qquad$ AGE: $\qquad$

ADVISORY TEACHER: $\qquad$

Do you know anyone who has ever participated on the FIRST Lego Robotics team? If so who:

# Next, have them get teacher recommendations 

Name (PLEASE PRINT)
Grade

STUDENTS- Politely ask any two teachers to fill out the following survey.
TEACHERS- Please fill out the following survey in order to help us most accurately select this year's FIRST Lego League (FLL) team. Please carefully consider the following statements then use the scale shown below to most accurately describe your opinion of the statement. PLEASE Place in Mr. Dobbyn's Mailbox when finished, DO NOT give back to student.

1) The above mentioned student works well with others.
2) The above mentioned student demonstrates good citizenship skills.
3) The above mentioned student has the ability to follow directions very carefully.
4) The above mentioned student is a very organized person.
5) The above mentioned student takes pride in his/her work.

- Many will not want to go through the trouble
- I usually receive about 20 or so back

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| 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: |
| Strongly <br> Agree | Somewhat <br> Agree | un- <br> decided | Somewhat <br> Disagree | Strongly <br> Disagree |

The above mentioned student works well with others.
$\begin{array}{lllll}1 & 2 & 3 & 4 & 5\end{array}$
2)

The above mentioned student demonstrates good citizenship skills.
$\begin{array}{lllll}1 & 2 & 3 & 4 & 5\end{array}$
3) The above mentioned student has the ability to follow directions very carefully.

| 1 | 2 | 3 | 4 | 5 |
| :--- | :--- | :--- | :--- | :--- |

4) The above mentioned student is a very organized person.
$\begin{array}{lllll}1 & 2 & 3 & 4 & 5\end{array}$
5) The above mentioned student takes pride in his/her work.

$$
\begin{array}{lllll}
1 & 2 & 3 & 4 & 5
\end{array}
$$

## Finally, I have them write an essay on why they

 want to be on the team- I can use their response to help with final decisions, but I will usually on have a dozen or so returned



## I try to have a gender balanced team

- Ideally equal number of boys and girls
- Sometimes may be off by one or two



## I also try to ensure that they are different grade levels

- This way you are not going to have to replace the entire team the following year



## Take a couple of extra kids

- It never fails, the robotics experience may not be what the kids thought it was going to be and some will quit.
- Tell them that they are all still "trying-out" for team and that final
 selections will be made in a couple of weeks


