

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

# ***TUT******RIALS***

teach

share

learn

## INTRODUCTION TO CORE VALUES

FTC 9873

# CORE VALUES: HOW IT FITS TOGETHER

## ROBOT DESIGN

Your team will prepare a **short presentation** on your robot design, programs, and strategy.

## INNOVATION PROJECT

Your team will prepare a **5-minute presentation** to explain your Innovation Project.

## ROBOT GAME

Your team will practice the **2.5-minute matches** to complete as many missions as possible.

## CORE VALUES

Your team will demonstrate **FIRST® Core Values** throughout your season and beyond!

The Robot Design, Innovation Project and Robot Game are what teams DO.

The Core Values are *how* they do it.

# FIRST CORE VALUES

## *FIRST*® Core Values



# LEARN THE TERMS USED IN THE CORE VALUES

We express the *FIRST* philosophies of *Gracious Professionalism* and *Coopertition* through our Core Values:

- **Discovery:** *We explore new skills and ideas.*
- **Innovation:** *We use creativity and persistence to solve problems.*
- **Impact:** *We apply what we learn to improve our world.*
- **Inclusion:** *We respect each other and embrace our differences.*
- **Teamwork:** *We are stronger when we work together.*
- **Fun:** *We enjoy and celebrate what we do!*

# GRACIOUS PROFESSIONALISM

“Learn and compete like crazy, but treat one another with respect and kindness”

Dr. Woodie Flowers, *FIRST* Distinguished Advisor

# COOPERTITION

“Teams can and should help and cooperate with each other even as they compete”

Dr. Woodie Flowers, *FIRST* Distinguished Advisor

## NOW THINK ABOUT...

- How will your team demonstrate that you understand the Core Value and used them?
- How will you make decisions and include everyone?
- How will you share your knowledge and impact others?

# WHY IS COOPERTITION IMPORTANT?

- It encourages learning from your teammates, competitors, and mentors
- It is what makes the FIRST program different
- **Many ways to show Coopertition**
  - Lending a team a part if they need it, even if it helps them to score higher
  - Inviting teams to your house to teach them how to make better projects and teach them your robotics skills
  - You don't solve the challenge for them and provide solutions. Instead, you inspire them and show them how to discover their own solutions





# MOST IMPORTANT: EMBRACE CORE VALUES

- Core Values is not just something you do.
- It is a way, a **METHOD** of doing things that builds character and guides us throughout the whole experience!



# IS OUTREACH IMPORTANT IN CHALLENGE?

- Outreach can be one way of achieving Impact.
- Share your knowledge
- Share your passion for *FIRST* and STEM



# CREDITS

- The primary author of this lesson is Vicky Zhai from FTC 9873. Additional information from Christopher Haines and Chris Baker was incorporated into the lesson.
- More lessons for FIRST LEGO League are available at [www.flltutorials.com](http://www.flltutorials.com)



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