

FIRST[®] LEGO[®] League

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INTRODUCTION TO CORE VALUES

VICKY ZHAI, 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!



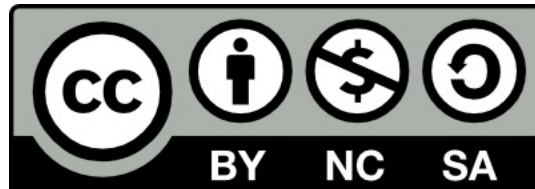
IS OUTREACH IMPORTANT IN CHALLENGE?

- 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



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