

Practice #4

Preparation

Get a posterboard for your team (the poster cannot be taller than 3 feet or wider than 4 ft)
Get any craft materials that your team might need for their posterboard (there are colored pencils, regular pencils, and markers in the practice room)
Familiarize yourself with the Instructions for Making a CORE Values Poster
Find the Core Values YouTube video to help the team learn about them in a different way
https://www.youtube.com/watch?v=7Uef_XYJLuU
Become familiar with the Levitation Activity

Beginning

5 min - Go over the plan for today's practice with the team

Explain that the team will go through the FIRST© CORE values, create a poster on how to use the values throughout the season, do a team building activity, and start brainstorming team names.

10-15 min – Allow Team Members to share any information that they learned from their part of the research project. Assign more research as needed.

CORE Values Poster

60 Min – Create CORE Values Poster

This is not a requirement, but we would encourage our teams to make a CORE values poster during this practice to teach the CORE Values in depth and to use to review throughout the season.

This poster will also be used during the CORE values judging at the tournament, and the feedback from the judges has been that teams who present this poster do much better during the interview.

A team will only have 2 minutes during the judging session to present it, so keep that in mind in how much work and preparation you put forth toward the poster.

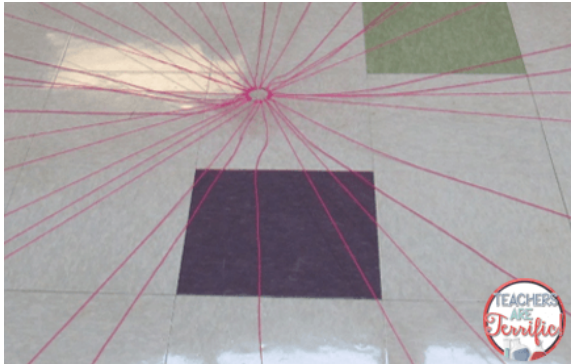
If you don't finish it today, maybe it can be a small project that team members can work on during practices whenever they aren't occupied with the research project or robot game.

Instructions for how to construct this poster are included with this packet and can be found in the pdf document listed with Practice #4 on our website <http://gillespie.agrilife.org> > 4H > Robotics > Resources for FLL Coaches.

Team Building Activity

20 min - Levitation

<http://stemactivitiesforkids.com/2015/12/10/team-building-for-stem-challenges/#more-502>



Find the ring with 10 strings attached to the center of the circle.

Next, you have students form a circle around the strings that are laying on the floor. Each student picks up one or two of the strings and holds them without lifting. (Some kids will hold two strings and some might only hold one. Just be sure all of the strings are being held!) Place an object on the ring and the kids must keep the object in place!

On your signal the entire group begins to lift the strings so that the center ring remains stable. They will slowly rise from the floor trying to get completely in a standing position and then slowly lower back down to lay the strings gently back on the floor.

Begin with the tennis ball. Then try the ping pong ball on the cup. Finally, the stuffed animal in the sitting position.



Robot Construction?

10-20 min – Robot Construction

If you happen to have any time left, you could have the team continue working on the construction of the robot.

Wrap Up

10 min – Start Brainstorming Team Names

Have one team member write down the team names that are mentioned so that they can vote on them next week.



Core Values Judging and Poster

Your Core Values judging session will have the following format:

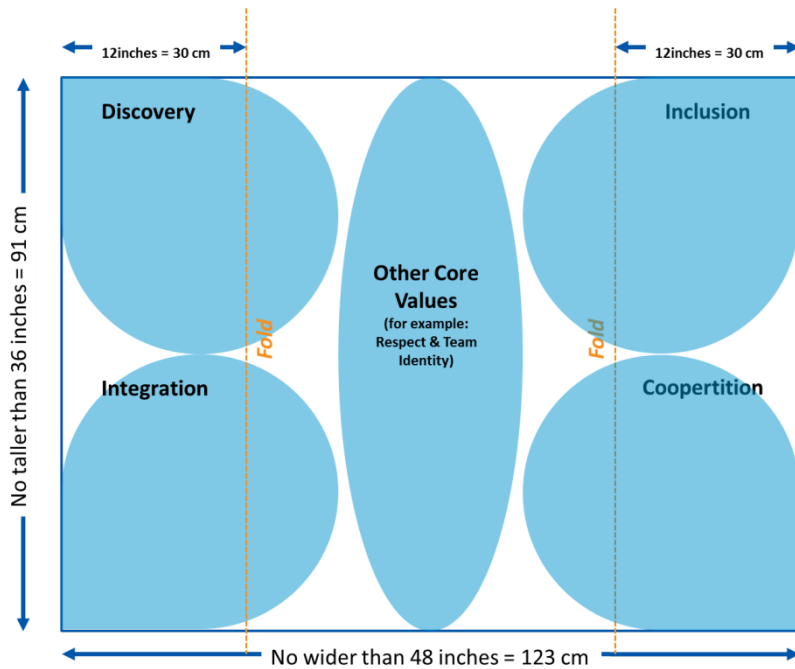
1. 5 minutes – **Teamwork Activity:** When your team enters the judging room, they will be given a short, fun activity while the Judges observe how the team works together.
2. 2 minutes (maximum) – **Core Values Poster:** (described below): Following the teamwork activity, your team will be given up to two (2) minutes to present and describe poster content.
3. 8 minutes – **Questions and Answers:** Time reserved for the Core Values Judges to ask questions about the Teamwork Activity, the Poster and the season.

Core Values Poster

To help the Core Values Judges learn more about your team and its unique story, we are requiring every team to create a simple Core Values “tri-fold” or poster. The topics highlighted on the poster are typically the most challenging for Judges to explore during judging sessions. The poster is intended to help your team consider in advance how best to present its strengths so that the Judges can consider all teams equally and have the most information possible to provide meaningful feedback. Feel free to use creativity and originality!

Important rules and guidelines are listed below:

1. **Time Investment:** While your team is free to determine how much time to spend, please know that realistically for most teams it should only take a few hours from the initial brainstorming discussion to the completion of the poster. This poster is NOT intended to be on the same scale or an extension of your Project presentation. Remember the Judges are more interested in your team’s story than fancy graphics.
2. **General Layout:** The poster layout should follow the design below. The overall size of the poster should be no more than the measurements shown, and it may be smaller, especially if required for travel needs. The poster may also be rolled or assembled on site.



3. Defined areas: There are four areas on the poster where specific information should be provided. These are the MOST IMPORTANT areas of the poster and should be the main focus of your work.

- a. In the “Discovery” area of the poster, provide examples from the season about things your team discovered that were not focused on gaining an advantage in the competition or winning an award. Tell the Judges how you balanced all three parts of FLL (Core Values, Project and Robot Game) especially if you really wanted to focus on only one sometimes!
- b. In the “Integration” area, provide specific examples of how your team applied Core Values and other things you learned through FLL, to situations outside of FLL. Let the Judges know how you integrated new ideas, skills and abilities into your everyday life.
- c. In the “Inclusion” area, describe how your team listened to and considered ideas from everyone and made each team member feel like a valued part of the team. Share with the Judges how you worked together and accomplished more than you could have by working alone.
- d. In the “Coopertition” area, describe how your team honors the spirit of friendly competition. Include on your poster information about how your team provided assistance to and/or received assistance from other teams. Share with the Judges how your team members help each other, and help other teams to prepare for a potentially stressful FLL competition experience.

4. The Middle: The area in the middle of the poster is for your team to highlight anything else you would like to share with the Judges about the remaining Core Values criteria. Maybe consider sharing examples of Team Spirit, Respect and Teamwork. You may also include examples of how your team has fun or shares with others how amazing science, technology, engineering and math can be.