



Learn the Core Values and Learn to Work Together as a Team

Start Planning
 Set some goals for your team and each person on the team. Decide how you will make decisions. What tools will you use to keep organized? How will you make sure everyone is involved?

Sample Resources

[Google Drive](#)
[Google Calendar](#)
[Slack](#)
[Trello](#)
[Tools for Teams](#)

Develop a Team Identity
 Pick a team name
 Design a team logo
 Design a team shirt

[Decision-Making Models](#)
[Reaching a Consensus](#)
[Selecting a Team Name](#)
[Developing a Team Identity](#)

Learn the Core Values
 What are the FIRST Core Values?
 How can we use them this season?
 What can we learn from FIRST?

[FIRST Vision and Mission](#)
[More Than Robots](#)
[Gracious Professionalism](#)

Learn to Work Together
 Learn to collaborate, come to a consensus, and achieve a goal. Select some fun team building activities to help you.

[Core Values Activities](#)
[UNICEF Team Building Activities](#)
[Teaching Expertise - Team Building](#)

Discover Interests and Goals
 Find out what students on the team enjoy and what they want to work on/learn

FLL Chicken Challenge
 FLLChicken is a fun-loving character who appears in many seasons, including BIOGLOW.

[FLLChicken Facebook Page](#)
[FLLChicken Challenge](#)





Core Value Activity

Team Building Activity: What do we have in Common?

Objectives: Through this activity teams will learn more about each other and appreciate one another.

Materials:

- Strips of paper (or post-it notes)
- Poster board to stick them on to with the names of each of the students on the top.
- Set of questions
- A small box to collect responses

Setup:

- Each student is given small pieces of paper to write responses on
- Come up with at least 1 question for each student you have on the team. Examples: 1) How many siblings do you have?, 2) If you could travel anywhere, where would you go?, 3) What is your favorite subject in school?, 4) What is your favorite food to eat?, 5) If you could invent something to help you, what would you like to invent?, 6) Do you play a musical instrument (which one)? 7) What is your favorite animal?

Instructions to Team:

Let's find out what we have in common. I will read a question out loud. Each of you should write your answer on a strip of paper/post-it note. When finished, place your response in this box. When everyone is done writing answers, we will pick out one paper at a time and guess who it could be about.

Jessica	Sam	Christian	Saif	Arjan
Tennis		Clarinet		Guitar
Dog	Soccer	Dog	Soccer	History
1 Sister	Guitar	History	1 Sister	1 Brother

Objectives: Discover how all the players in an ecosystem depend on each other to survive and learn what it means to work together as a team.

Materials:

- Index cards
- Marker or pen
- Ball of twine/yarn
- List of connections: sun, bumblebee, mushroom, rock, grass, mouse, earthworm, ant, spider, river, woodpecker, rain, dead leaf, butterfly, flower, tree, snake, frog, snail, living leaf, owl, squirrel, soil, deer *[You can modify this list based on the region you live in.]*

Terms to Learn:

- Ecosystem:
- Organism:

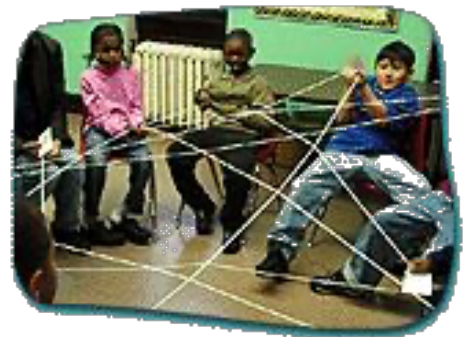
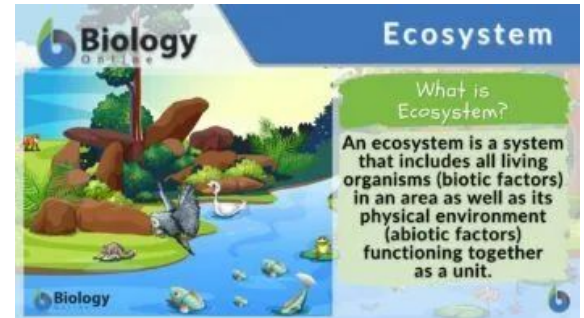
Setup:

- Write the names of each organism on a card. Have everyone sit in a circle.

Instructions:

Have students pick up cards so they are distributed equally. The student with the Tree card starts off and throws the yarn to another person. The student who receives the yarn reads their first card out loud and then everyone can discuss how their card interacts with the Tree. The student can then throw the ball of yarn to another student. The recipient of the ball of yarn continues the process, discussing how their card is connected to the previous one. Once everyone all the cards are done, discuss what would happen if one of the organisms was removed from the web.

Discuss how an ecosystem is similar to a FIRST LEGO League team.





Core Value Activity: Scavenger Hunt

Objectives: Discover the natural world around you while working together as a team.

Materials:

- Multiple copies of the graphic on the next page
- Pens/pencils
- If you have younger students, you can create a simplified scavenger hunt or one more specific to your region

Terms to Learn:

- Abiotic:
- Biotic:
- Water Cycle:
- Renewable Energy:
- Predator:
- Prey:
- Herbivore:
- Omnivore:
- Carnivore:
- Pollinator:
- Camouflage:
- Metamorphosis:
- Mammal:
- Food Chain:

Instructions: Go through the vocabulary words together with your coach before the scavenger hunt. Work as a team to find everything in the graphic on the next page. Whenever you complete a space, cross it out. Remember to leave the objects/organisms in their habitat undisturbed. Optional: make a Food Chain using some of the organisms you found.

BIODIVERSITY

scavenger hunt

Record your answers on a separate sheet of paper.

<p>5 ABIOTIC factors nonliving components in an ecosystem!</p>	<p>5 BIOTIC factors living components in an ecosystem!</p>	<p>1 Stage of the WATER CYCLE</p>	<p>2 sources of RENEWABLE ENERGY</p>	<p>1 PREDATOR What does it eat?</p>	<p>1 PREY What eats it?</p>
<p>1 HERBIVORE</p>	<p>1 OMNIVORE</p>	<p>1 CARNIVORE</p>	<p>3 organisms that FLY or SWIM</p>	<p>2 organisms that WALK or CRAWL</p>	<p>1 organism that HOPS</p>
<p>1 POLLINATOR</p>	<p>BREATHE in clean AIR from PLANTS What do plants provide us with?</p>	<p>1 TREE ANIMAL HOME</p>	<p>1 GROUND ANIMAL HOME</p>	<p>1 WATER ANIMAL HOME</p>	<p>LIFT UP 1 weathered ROCK How many bugs do you see?</p>
<p>How many different SEEDS can you find?</p>	<p>EXAMINE SOIL What's in it?</p>	<p>1 organism that is CAMOUFLAGED</p>	<p>1 organism that goes through METAMORPHOSIS</p>	<p>Find something a BIRD would eat</p>	<p>Find something a MAMMAL would eat</p>

Based on your **observations**, create a **food chain** using some of the organisms you spotted in this **ecosystem**!

