



Cells and Body Systems

Objectives

You will be able to

- Identify how an individual part is important to the whole system.
- Design and create a model.
- Communicate and collaborate to encourage the success of a team.
- Orally explain your poster to the class.



How do body systems interact with each other to communicate and collaborate?

Evaluation and Feedback

To evaluate your work, you will

- Use the “Developing and Using Models” row of the Science and Engineering Practices Rubric.
- Use other criteria determined by your teacher.

Lift-Off Task: Communication and Collaboration between Players

As a group:

- Play soccer or kickball.
- Discuss ways individual players communicate and collaborate in a team situation.
- Create a model to show how individual players communicate and collaborate to create a working system.
- Share your model.

Vocabulary

- collaboration
- communication
- function

Connect to the Culminating Project

Plan and organize your Activity Brochure in your Individual Project Organizer:

- Choose an activity (sport or hobby).
- Discuss and decide on parts of the body that are used in the activity.
- Show how parts of the body communicate and collaborate.

Part I • Play Soccer or Kickball

Immediately after playing soccer or kickball:



- Write two ways you worked with others to help your team today.
- Write two ways you communicated with team members today.
- Write two different jobs that people had that helped your team today.

Part II • The Poster

1. In your small groups, discuss the ways the individual players helped the **team**.
 - Give examples of how players communicate with each other.
 - Give examples of how players work together as a team (collaborate).
 - Why do you need the whole team to play the game?
 - Name special functions of players that help the team work better as a whole.
2. Think of a memorable moment during the game when your teammates communicated and collaborated. Create a diagram or model of that moment. Write captions next to drawings to describe “working together” and “special functions.”



- ☐ Draw members of the soccer or kickball team on the field.
- ☐ Draw and describe ways that students worked together (communicated and collaborated). Include descriptions about how the activity helped students work together
 - Examples include yelling out commands, using hand signals, or passing the ball to another.
- ☐ Draw and describe special functions of different players.

3. Share your poster. Everyone in the group should contribute to the presentation.

Part III • Connect to the Culminating Project and Assessment

Complete the Individual Project Organizer for this task.

