

**Baker 6<sup>th</sup> Grade (Science) Outreach Learning  
Spring 2020**

*(Baker science)* **Week of (May 18- May 22)**

Teacher/: Ms. Phillips

If there are any questions, please feel free to email me/us at:

[phillipss@lpsd.org](mailto:phillipss@lpsd.org)

Link to [TEAMS Folder](#)

Previous Lessons:

Link to: (*Resources*).

**Office Hours: 9-11AM in Teams on Tuesdays  
and 1-3PM in Teams on Thursday**

Link to [TEAMS Folder](#): Click on your class period.

[Period 1](#)

[Period 3](#)

[Period 5](#)

[Period 6](#)

[Period 7](#)

## Objectives

Objective / I Can:

- describe biotic and abiotic parts of an ecosystem in which organisms interact AND diagram the levels of organization within an ecosystem, including organism, population, community, and ecosystem.

## Activities

Student Activities: (Resources, videos for students to use)

Review the Key Concepts Below.



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### Key Concepts

The taxonomic groups of organisms within each distinct Domain share many similar characteristics as well as show some unique characteristics. The organism's characteristics determine how it interacts with the living (biotic) and nonliving (abiotic) parts of its ecosystem.

The biotic components of an ecosystem include all organisms composed of cells, from unicellular fungi and bacteria to the wide variety of multicellular organisms that permanently live in the ecosystem or migrate through the ecosystem.

The abiotic factors of an environment are all the non-living components. This would include temperature range, available sunlight, water, soil and seasonal variations.

Organisms interact with both biotic and abiotic components of their ecosystem to obtain energy and materials necessary for life. The amount of available light affects the type and quantity of plants in an ecosystem. Since autotrophs provide food for heterotrophs, the amount of light also determines which heterotrophs are present.

Organisms interact in the environment by filling an ecological niche, or role and behavior within their habitat that is in part determined by abiotic and biotic components. When there are multiple species in an ecosystem that fill a specific niche, competition occurs.

The study of the biosphere is ordered into different levels to understand how each fits into a larger system beginning with the largest, most diverse level, the ecosystem, to communities, populations, and the smallest, least diverse level, the organism.

## Academic/Instructional Support

Schedule:

Office Hours

Teacher Support - TEAMS

For assistance, help, or questions, I will be available **LIVE** online in TEAMS from **9am-11am Tuesdays and 1pm-3pm on Thursdays**. If you not are available for this time period, then please send your questions or concerns to my email. [phillipss@lpsd.org](mailto:phillipss@lpsd.org)

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**To Be Graded**

Assignment for students to submit to Teams Folder:

**. ALL ASSIGNMENTS WILL BE SUBMITTED IN STEMSCOPES:**

When is it due? May 22 by 8:00 AM

What assignments will the student submit in STEMscopes?

**COMPLETE ANY AND ALL ASSIGNMENTS LEFT IN STEMSCOPES. THIS IS CATCH UP WEEK FOR ANY ASSIGNMENTS THAT HAVE NOT BEEN TURNED IN. IN ADDITION YOU WILL HAVE AN EXTRA CREDIT ASSIGNMENT AVAILABLE TO REPLACE YOUR LOWEST GRADE.**

LOG INTO STEMSCOPES:

1. Go to [lpisd.org](http://lpisd.org)
2. click on students at top of page
3. scroll down until you see online textbooks, click it
4. Click on Stemscores

**Username: lastname.firstname example: phillips.sylvia**

**Password: 4 Uppercase letters followed by 4 numbers example: ABCD1234**