**Science Assignments:**

April 27-May 1

(L.5.3B.1)

This week’s assignments will look a little bit different than usual. You will be researching a **biome** to create a persuasive presentation convincing someone to visit based on its climate, plants, animals and unique features. But first, what is a **biome**?

\*Key Vocabulary:

**Biome:** an area of the planet that can be classified by the plants and animals living in it. The major land biomes are: Arctic Tundra, Taiga or Coniferous Forest, Temperate Deciduous Forest, Grassland, Desert, Tropical Rain Forest. Aquatic (water) biomes include Freshwater and Ocean or Marine Biomes.

**Ecosystem**: all the living and nonliving things interacting in an area.

**Climate:** average or typicalweather conditions over a long period of time in a region of the world; includes temperature and rainfall.

**Habitat:** natural home or environment of a plant, animal, or other organism.

**Adaptation:** structure or behavior of a plant or animal that helps it survive; for example, camouflage, sharp claws/teeth, prickly spines on a cactus.

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Monday – Tuesday April 27,28

\*Directions: Use the links to watch the videos describing the different biomes. Take notes in your science notebook, page 17. Title your page BIOMES and record information you learn about the plants, animals, climate (including temperature ranges and rainfall), and unique characteristics of ***each*** ***biome***.

You may consider making a chart similar to the one you made for the planets of the solar system. Here’s an idea:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BIOME | Plants | Animals | Climate | Features |
| Tundra |  |  |  |  |
| Taiga |  |  |  |  |
| Desert |  |  |  |  |
| Rainforest |  |  |  |  |
| Grassland |  |  |  |  |

Or you may just write the name of each biome with your notes listed underneath like this example:

Tundra:

* Plants
* Animals
* Climate
* Features

VIDEO LINKS

We recommend that you watch the videos in the order they are listed.

Generation Genius: [Ecosystems](https://www.generationgenius.com/?share=D0B4C)

You tube Video: [7 Biomes of the World Facts](https://www.youtube.com/watch?v=VExt_o7uM_c&t=341s)

Study Jams: [Biomes](http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/biomes.htm)

Study Jams: [Aquatic Ecosystems](http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/aquatic-ecosystems.htm)

Learn 360 videos:

(You must log in to access the following videos: username: ches.student password: mustangs)

[Ecosystems and Biomes](https://learn360.infobase.com/PortalPlaylists.aspx?wID=121368&xtid=117467) (discusses all biomes listed above)

[Tundra](https://learn360.infobase.com/PortalPlaylists.aspx?wID=121368&xtid=74351)

[Forests](https://learn360.infobase.com/PortalPlaylists.aspx?wID=121368&xtid=74367) (includes taiga/coniferous, deciduous, and rainforest)

[Deserts and Tundra](https://learn360.infobase.com/PortalPlaylists.aspx?wID=121368&xtid=74351)

[Grasslands](https://learn360.infobase.com/PortalPlaylists.aspx?wID=121368&xtid=74374)

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Wednesday-Friday, April 29-May1

Now that you have learned a little bit about each biome, you must choose ONE for your presentation. Ask yourself:

* Which one interests YOU the most?
* Which one would YOU like to explore?
* Which one can you convince me to visit based on what you learned?

**Your assignment:**

\*Create an advertisement persuading your audience to visit your chosen biome. You must include facts on the following in your presentation:

1. Types of plants- describe them and give two examples

2. Types of animals- describe them and give two examples

3. Climate – include amount of rainfall and temperatures

4. Other unique features of your biome

\*Be sure to name your biome, for example, “Come visit the vast, open spaces of the GRASSLANDS.” Then explain why someone should go there… what is there to see? What is there to do? How should someone dress or pack? What’s so special about this place?

\*You may be as CREATIVE as you like as long as you follow the criteria above. Here are some choices for your presentation:

* Design a postcard (hand drawn or computer generated)
* Design a billboard (hand drawn or computer generated)
* Create a travel brochure or pamphlet (hand drawn or computer generated)
* Record a video commercial for your biome (1-3 min)
* Write/perform a song or cheer (1-3 min)
* Make a TikTok (1-3 min)

If you have other ideas, contact Mrs. Matthews or Mr. Allen for guidance.

Your project is due by the end of the day **TUESDAY, MAY 5**. Submit it to your teacher by Remind or Email. If you have any questions, please ASK!

Have fun and be creative! Always do your best and complete this assignment as if you will be graded. We know you will make us proud and we can’t wait to see what you’ll create!