

Virtual STEAM

Science and Art

Biome Challenge

Goal: I can design a biome to show my knowledge of the relationship between plants, animals in a particular environment.

Science Indicator: SC.3.7.2 Gather and analyze data to communicate an understanding of the interdependent relations in ecosystems

Art Indicator: FA 5.2.1.a Develop ideas using a variety of materials

Materials:

- 1 - Plastic Mason Jar
- Pebbles
- 1 - Soil Tablet
- Construction Paper (various colors)
- Clay

Not Included:

- Crayons or Markers
- Scissors
- Glue
- Anything else you find



Book Extension:

[Many Biomes, One Earth](#)
by Sneed B. Collard III

Vocabulary:

Biome - large area characterized by its vegetation, soil, climate, and wildlife

Instructions:

1. Watch YouTube Video for background knowledge:
<https://www.youtube.com/watch?v=CvQP7hI9UvM&t=153s>



2. Fill out the A Look at Biomes Handout as you watch the video about biomes.
3. You will construct a model of a biome using the materials provided and materials of your own.
4. What biome are you creating?
What plants/animals could live





there? What climate is it? Be creative!

5. Add animals and plants that would live in your biome using the provided construction paper and clay.
6. Document the challenge using video, photos, drawings, etc.
7. Have fun!

SPARKPositivity Connection:

- **Friendship** – Mutual feelings of care, respect, admiration, concern and love between individuals is what makes a friendship.

Extension:

- My Biome Song
<https://www.youtube.com/watch?v=0A5eeE93uEA>



A Look at Biomes

Biome	Location	Climate	Plants	Animals
Desert 				
Deciduous Forest 				
Tundra 				
Aquatic 				
Taiga 				
Grassland 				

