



Weaver bird



Honey bee



Meerkat



Beaver

# ANIMAL ENGINEERS



Flamingo



Ants



Birds



Fennec fox

## Project Description:

Students have been investigating the ways that animals can be engineers in their environment. Students learned about what it means to be an engineer and about the design principles. We built on our knowledge of habitats to interpret how animals can create a purposeful space to meet their needs. Students became experts on animal engineers through field work, informational texts, and experts. We looked closely at how each animal uses different tools and materials around them to create their homes. Then, we used this information to build prototypes.

## Essential Questions:

How do animals change their environment to meet their needs (NGSS)?

How do both animals and humans use or change their environments to survive?

How are animals engineers?

How can we present science through art?

## Products:

- Animal Home prototypes (Lance and Schemmel)
- Blueprints/scientific sketches of animals and their home (Schemmel)
- Information books about animals (Schemmel)
- Animal engineer poetry (Lance)
- Animal Home prototypes (Lance and Schemmel)
- Digital process book (Lance)
- Research binders (Lance)



### Questions to ask Experts:

Tell me about your blueprint/poem.

What does your animal build?

What materials and tools does your animal use to build?

Why does your animal build this home?

What was a challenge during this project?

What did you like most about this project?



Thank you for your support throughout this project. We are all so proud of the hard work our students have done this year. Congratulations! Have a wonderful summer full of adventure and exploration!

Love,  
Ms. Lance, Mr. Lee, Mrs. Lee, and Ms. Schemmel