Lesson Sequence

Lesson and Guiding Question	Objective/Learning Target	Performance Task
1. What can we learn about ants by observing their behavior in the schoolyard?	Students will collect data from ant observations in the schoolyard.	Students compare ant behavior in different locations in the schoolyard; counting the number of ants, and noting specific behaviors.
2. How do the structures of an ant function to support its survival?	Students will observe and record ant structures.	Students identify ant structures and draw conclusions about their functions.
3. What information can you gather about an ant's ability to grip rough and smooth surfaces?	Students will investigate ant adhesion on rough and smooth surfaces.	Students make a claim supported by evidence to connect results of investigation to observations in the schoolyard.
4. How can structures be used as a model to help solve problems?	Students will explore how structures function in nature to solve problems.	Students identify plant or animal structures that function to solve human problems.
5. What design works to model how structures function to solve problems?	Students will design and create a model based on a biological champion that solves their specific problem.	Students show how structures can function to solve problems and are able to design a model to demonstrate their understanding.