5th Grade

Water Cycling | Duration: 4 hrs

Students develop their understanding of water as a natural resource, the source and impacts of water pollution, water’s locations and movements on Earth, and as a molecule through the water cycle. Students examine at least two habitats to investigate the presence of water in each habitat.

NGSS/Common Core Connections
- NGSS Disciplinary Core Ideas - ESS2.A; ESS2.C
- NGSS Science and Engineering Practice – Using Mathematics and Computational Thinking
- NGSS Cross Cutting Concept – Scale, Proportion, and Quantity
- Common Core Literacy Connections: W.5.8.B
- Common Core Math Connections: MP.2, MP.4

Ecosystems: Interactions, Energy & Dynamics | Duration: 4 hrs

Students witness and identify adaptations of various organisms in their natural habitats, which helps them understand the relationship between adaptations of an organism and the characteristics of their surrounding environment. Students explore how energy moves through an ecosystem, how organism’s adaptations helps them obtain energy, and how all organisms are interdependent.

NGSS/Common Core Connections
- NGSS Science and Engineering Practices – Developing and Using Models,
- NGSS Cross Cutting Concept – Systems and System Models
- Common Core Literacy Connections: SL.5.1
- Common Core Math Connections: MP.2; MP.4; MP.5