

‘It’s a Bug Thing’ School Workshop
West Virginia Science CSO’s

The following CSO’s may be met with students’ participation in this workshop.

Kindergarten Students will:

SC.S.K.1	demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.
SC.O.K.1.03	demonstrate curiosity, initiative and creativity by asking questions about the environment noting patterns and variations of natural objects (e.g., trees, leaves, or animal structures).
SC.O.K.1.04	explore and describe objects and events using the five senses to develop observational skills and make predictions based on personal observation.

First Grade Students will:

SC.S.1.1	demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.
SC.O.1.1.05	use safe and proper techniques for handling, manipulating and caring for science materials (e.g., follow safety rules...or treat living organisms humanely).

Second Grade Students will:

SC.S.2.1	demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.
SC.O.2.1.04	demonstrate curiosity, initiative and creativity by observing, classifying, comparing and analyzing natural objects in the environment.
SC.O.2.1.07	use safe and proper techniques for handling, manipulating, and caring for science materials (e.g., follow safety rules...or treat living organisms humanely).
SC.O.2.2.01	identify that plants and animals have different structures.
SC.O.2.2.02	identify the structures of living things including their systems, and explain their functions (e.g., wings for flying, fins for swimming, or roots for support and obtaining water).

Third Grade

Students will:

SC.S.3.1	demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.
SC.O.3.1.08	use safe and proper techniques for handling, manipulating and caring for science materials (e.g., follow safety rules...or treat living organisms humanely).
SC.O.3.2.01	identify the structures of living things, including their systems and explain their functions.
SC.O.3.2.03	compare physical characteristics and behaviors of living organisms and explain how they are adapted to a specific environment...

Fourth Grade

Students will:

SC.S.4.1	demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.
SC.O.4.1.08	demonstrate safe and proper techniques for handling, manipulating and caring for science materials.
SC.O.4.2.01	describe the different characteristics of plants and animals, which help them to survive in different niches and environments.
SC.O.4.2.02	associate the behaviors of living organisms to external and internal influences (e.g., hunger, climate, or seasons).
SC.O.4.2.03	identify and classify variations in structures of living things including their systems and explain their functions...

Fifth Grade

Students will:

SC.O.5.1.09	demonstrate safe techniques for handling, manipulating and caring for science materials, equipment, natural specimens and living organisms.
SC.O.5.2.03	identify the structures of living organisms and explain their function.
SC.O.5.2.06	compare and contrast how the different characteristics of plants and animals help them to survive in different niches and environments...

Sixth Grade

Students will:

SC.O.6.1.01	realize that scientists formulate and test their explanations of nature using observation and experiments.
SC.O.6.1.07	apply skepticism, careful methods, logical reasoning and creativity in investigating the observable universe.
SC.O.6.1.09	demonstrate safe techniques for handling, manipulating and caring for science materials, equipment, natural specimens and living organisms.
SC.O.6.2.03	classify living organisms according to their structure and functions.

Seventh Grade

Students will:

SC.O.7.1.01	realize that scientists formulate and test their explanations of nature using observation and experiments.
SC.O.7.1.07	apply skepticism, careful methods, logical reasoning and creativity in investigating the observable universe.
SC.O.7.1.09	demonstrate safe techniques for handling, manipulating and caring for science materials, equipment, natural specimens and living organisms.

Eighth Grade

Students will:

SC.O.8.1.05	implement safe procedures and practices when manipulating equipment, materials, organisms, and models.
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