Science Lesson Plan 2/26-3/2

Feb. 26 - Mar. 2, 2018

MON. FEB. 26TH

7th Grade Science
Chemical Equations Exam

Standards
MS-PS1-2 Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
MS-PS1-5 Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.

Objective
Students will display knowledge of chemical reactions through exam

Critical Questions
1. Students will be able to describe how mass is conserved during a chemical reaction?
2. What information does a chemical equation contain?

Bellringer
Study for exam

Assessment
Exam is assessment

Homework
Finish chemical equation worksheet

Accommodations & Modifications

TUE. FEB. 27TH

7th Grade Science
ACT Aspire Part III

WED. FEB. 28TH

7th Grade Science
Populations and Communities: Explore Phenomenon

Standards
MS-LS2-1 Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.
MS-LS2-2 Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.
MS-LS2-3 Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Objective
Students will be able to explore, demonstrate, and understand how living things affect one another

Critical Questions
1. How do living things affect one another?
2. What does an organism get from its environment?
3. How is an ecosystem organized?

Bellringer
Pre-assessment activity on interactions between living things and ecosystems
Discuss phenomenon photo
- 1280x720-gn8.jpg
- Pre-assessment.docx

Engagement

1. Watch video on leafcutter ants co-evolution https://youtu.be/0HPh5Szyv88
2. Students get into new lab groups and take index card that is coordinated with a packet for reading.
3. Students read packet and answer associated questions with each packet

THU. MAR. 1ST

7th Grade Science
Populations and Communities: Explore Phenomenon

Standards
MS-LS2-1 Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.
MS-LS2-2 Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.
MS-LS2-3 Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Objective
1. Students will be able to identify the needs that must be met by an organism's surroundings
2. Students will use graphical displays to identify biotic and abiotic parts of a habitat
3. Students will be able to demonstrate the different levels within an ecosystem

Critical Questions
1. What does an organism get from its habitat?
How is an ecosystem organized?

Bellringer
1. Data Interpretation Graph
2. Take notes on habitat video: https://youtu.be/Tbs8uSr6PMU

Engagement
- Popcorn reading of powerpoint ; page 1-10
- read page 158- go over questions as a clas son "apply it" on page 159

EcosystemsPopulationsandCommunitiesPowerPoint.ppt

FRI. MAR. 2ND

7th Grade Science
Populations and Communities: Explore Phenomenon

Standards
MS-LS2-1 Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.
MS-LS2-2 Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.
MS-LS2-3 Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Objective
Students will be able to demonstrate and understand what factors are responsible for both increase and decreases in animal population

Critical Questions
1. What factors cause population growth to increase?
2. How does carrying capacity and population density limit the population growth of species?

Bellringer
1. Data interpretation graph
2. Quiz

Engagement
Read page 162-167

Assessment
Class works one problem calculation population density for animals; turn in answers

Homework

Accommodations & Modifications

Reflections

4. Students present their questions and answers to the class
5. Class will answer questions for other activities that are presented

1st day Phenomenon.docx

Assessment

Students write answers to these questions from today's lesson on notecards:

- What did we do in class?
- Why did we do it?
- What did I learn today?
- How can I apply it?
- What questions do I have about it?

Homework

Read page 156-159; answer questions 1a and 1b

Accommodations & Modifications

Reflections

Assessment

Students write answers to these questions from today's lesson on notecards:

- What did we do in class?
- Why did we do it?
- What did I learn today?
- How can I apply it?
- What questions do I have about it?

Homework

Read article about ecological organization

Ecological Organization.pdf

Accommodations & Modifications

Reflections