

Alignment of Eco-Meet with Kansas

Science Standards, Grades 8-12

Standard 3: LIFE SCIENCE

The student will develop an understanding of the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy, and organization in living systems, and the behavior of organisms.

Benchmark 3: The student will understand the major concepts of the theory of biological evolution.

2. understands populations of organisms may adapt to environmental challenges and changes as a result of natural selection, genetic drift, and various mechanisms of genetic change.

Benchmark 4: The student will understand the interdependence of organisms and their interaction with the physical environment.

3. understands the distribution and abundance of organisms and populations in ecosystems are limited by the carrying capacity.
4. understands organisms cooperate and compete in complex, interdependent relationships.
5. understands human beings live within and impact ecosystems.

Benchmark 6: The student will understand the behavior of animals.

1. understands animals have behavioral responses to internal changes and to external stimuli.
2. understands most multicellular animals have nervous systems that underlie behavior.
3. understands behaviors are often adaptive when viewed in terms of survival and reproductive success.

Benchmark 7: The student will demonstrate an understanding of the diversity of structure and function in organisms.

1. understands differences in structure and function among organisms and can identify the characteristics of relevant life forms.
5. understands taxonomy is the systematic way in which organisms are placed into a hierarchical classification system, according to their physical and genetic characteristics and their evolutionary history.

Teacher Note: Science Standard 6, Benchmark 3

Learning Science in the Outdoors: Varied experiences in the outdoors make natural processes less abstract and are critical to developing scientific literacy.

Teachers are encouraged to create outdoor learning experiences for their students.

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Listening, Viewing and Speaking Standards (LVS), Grades 6 – 12

Standard 6: MEDIA LITERACY

Journalistic communicators effectively use and/or create products for a variety of audiences, purposes, occasions, and contexts.

Benchmark 3: The student analyzes and evaluates a journalistic product(s).

Intermediate Level Knowledge Base Indicators: The student...

1. knows the purpose of constructive criticism in the evaluation of a product.
2. determines the specific purpose of a product.
3. recognizes bias.
4. identifies his/her possible audiences.

Standard 7: FORENSICS

The oral communicator will perform effectively in a variety of situations.

Benchmark 1: The student knows the different components of nonverbal communication.

Proficient Level Knowledge Base Indicators: The student...

1. uses tone effectively.
2. uses eye contact to draw audience into the presentation.
3. reads audience feedback.
4. uses gestures to further enhance the message.
5. uses variations of their natural pitch effectively.
6. varies rate to gain desired effect.
7. adjusts volume to fit the *performance space* and to gain the desired effect.
8. varies posture to gain the desired effect.
9. uses body movement effectively.

Benchmark 2: The student knows the different components of verbal communication.

Level Knowledge Base Indicators: The student...

1. writes different types of speeches.
2. uses effective work choices.
3. chooses the most effective organizational pattern.
4. chooses proper transitions.
5. composes an appropriate introduction.
6. identifies the components of the body of an oral presentation.
7. identifies the components of the conclusion of an oral presentation.
8. chooses appropriate supporting details.
9. effectively uses visual aids in the presentation.
10. effectively administers an audience analysis rubric.
11. uses verbal inflection appropriately in an oral presentation.
12. uses stage fright effectively to enhance an oral presentation.
13. is selective in the use of propaganda and faulty reasoning.