

# Kansas Curricular Standards Alignment for Eco-Meet, 2024

## **Kansas/Next Generation Science Standards**

### Ecosystems: Interactions, Energy, and Dynamics

HS-LS2-6 Evaluate the claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem.

HS-LS2-8 Evaluate evidence for the role of group behavior on individual and species' chances to survive and reproduce.

### Biological Evolution: Unity and Diversity

HS-LS4-2 Construct an explanation based on evidence that the process of evolution primarily results from four factors: (1) the potential for a species to increase in number, (2) the heritable genetic variation of individuals in a species due to mutation and sexual reproduction, (3) competition for limited resources, and (4) the proliferation of those organisms that are better able to survive and reproduce in the environment.

HS-LS4-5 Evaluate the evidence supporting claims that changes in environmental conditions may result in (1) increases in the number of individuals of some species, (2) the emergence of new species over time, and (3) the extinction of other species.

### Earth's Systems

HS-ESS2-7 Construct an argument based on evidence about the simultaneous coevolution of Earth's systems and life on Earth.

## **Kansas Standards for English Language Arts**

RI.9-10.13 Read and comprehend high-quality informational text of appropriate quantitative and qualitative complexity for grades 9-10.

RI.11-12.13 Read and comprehend high-quality informational text of appropriate quantitative and qualitative complexity for grades 11-12.

SL.9-10.4 Present information, findings and supporting evidence clearly, concisely and logically such that listeners can follow the line of reasoning and the organization, development, substance and style are appropriate to purpose, audience and task.

SL.9-10.6 Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

SL.11-12.6 Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate.

SL.9-10.7 Demonstrate command of the conventions of standard English grammar and usage when speaking.

SL.11-12.7 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

SL.11-12.7.a Vary syntax for effect, consulting references for guidance as needed.

SL.11-12.7.b Apply the understanding that usage is a matter of convention, can change over time and is sometimes contested.

SL.11-12.8 Acquire and use accurately general academic and domain-specific words and phrases, sufficient for the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.

## **Social-Emotional Character Development Standards**

### I. Core Principles

B. Develop, implement, promote and model core ethical and performance principals.

3. Hold self and others accountable for demonstrating behaviors of good character throughout all school activities and in the community.

4. Reflect, analyze and receive feedback on responsible actions, including actions using academic and behavioral skills.

C. Create a caring community.

2. Demonstrate mutual respect and utilize strategies to build a safe and supportive culture.

a. Communicate respectfully and effectively in diverse environments.

## **Kansas Standards for Library and Informational Literacy**

### Anchor Standard 1: Inquire

12.1.5 Demonstrate new understanding gained through information from real-life situations.

12.1.6 Use speaking and writing skills to communicate new understandings effectively.

### Anchor Standard 3: Collaborate

12.3.1 Recognize and encourage the contributions of all group members in creating an information product.

12.3.2 Participate and collaborate as members of a network of learners, giving and receiving information, to reach goals and pursue lifelong learning.

12.3.3 Help groups move to consensus of information after substantive conversation and sharing by group members.