
Coal City Unit District #1
Zoology
Science Curriculum

SC.ZOO.1 Students will be able to differentiate between organisms in the Animal Kingdom and those in other kingdoms.

SC.ZOO.1.1 Identify cellular differences that separate animals from other living things.

SC.ZOO.1.2 Analyze models for cellular differences that separate animals from other living things.

SC.ZOO.1.2 Identify organizational differences that separate animals from other living things.

SC.ZOO.1.4 Compare developmental stages to show how animals and other living things differ.

SC.ZOO.2 Students will be able to differentiate between organisms in different phyla within the Animal Kingdom.

SC.ZOO.2.1 Identify key features of organisms for each specific phylum. (E.g. Cell structure, complexity, comparative anatomy, etc.)

SC.ZOO.2.2 Compare and contrast key features of different organisms across phyla. (E.g. Cell structure, complexity, comparative anatomy, etc.)

SC.ZOO.2.3 Organize organisms into groups based on information and samples.

SC.ZOO.3 Students will be able to differentiate between organisms within the same phylum of the Animal Kingdom

SC.ZOO.3.1 Compare and contrast key features of different organisms within a phylum. (E.g. Comparative Anatomy)

SC.ZOO.3.2 Analyze evidence to predict behavioral differences (E.g. Habitat, movement, resource allocation, etc.) amongst animals within a phylum.

SC.ZOO.4 Students will be able to make connections between the evolutionary relationships between members of the Phylum Chordata.

SC.ZOO.4.1 Identify key features of all chordates.

SC.ZOO.4.2 Compare and contrast key features of individual classes of chordates.

SC.ZOO.4.3 Predict evolutionary relationships amongst the classes of chordates

based on physical specimens and data.

SC.ZOO.5 Students will be able to appraise the value of animal study, and its relationship to humans.

SC.ZOO.5.1 Identify how and why we as humans study animals.

SC.ZOO.5.2 Identify ethical concerns with the study of animals.

SC.ZOO.5.3 Formulate arguments for or against the continued use of animals in research.