



Virginia Standards of Learning Addressed by the IMAX® Film

SEA MONSTERS: A Prehistoric Adventure in 3D

Grade Three

Life Processes

3.4 The student will investigate and understand that behavioral and physical adaptations allow animals to respond to life needs. Key concepts include:

- a) methods of gathering and storing food, finding shelter, defending themselves, and rearing young
- b) hibernation, migration, camouflage, mimicry, instinct, and learned behavior.

3.5 The student will investigate and understand relationships among organisms in aquatic and terrestrial food chains. Key concepts include:

- a) producer, consumer, decomposer;
- b) herbivore, carnivore, omnivore; and
- c) predator and prey.

3.6 The student will investigate and understand that environments support a diversity of plants and animals that share limited resources. Key concepts include:

- a) water-related environments (pond, marshland, swamp, stream, river, and ocean environments);
- c) population and community.

Grade Four

Living Systems

4.5 The student will investigate and understand how plants and animals in an ecosystem interact with one another and the nonliving environment. Key concepts include:

- a) behavioral and structural adaptations;
- b) organization of communities;
- d) habitats and niches;
- e) life cycles

Life Science

LS.10 The student will investigate and understand how organisms adapt to biotic and abiotic factors in an ecosystem. Key concepts include:

- b) characteristics of land, marine, and freshwater ecosystems; and
- c) adaptations that enable organisms to survive within a specific ecosystem.

LS.14 The student will investigate and understand that organisms change over time. Key concepts include:

- a) the relationships of mutation, adaptation, natural selection, and extinction; and
- b) evidence of evolution of different species in the fossil record.

Earth Science

ES.10 a The student will investigate and understand that many aspects of the history and evolution of the Earth and life can be inferred by studying rocks and fossils. Key concepts include:

- a) traces and remains of ancient, often extinct, life are preserved by various means in many sedimentary rocks

Biology

BIO.8 The student will investigate and understand how populations change through time. Key concepts include:

- a) evidence found in fossil records.