

THE YEARS OF LIVING DANGEROUSLY - EDUCATIONAL COMPANION

21st CENTURY SKILLS	NGSS SCIENCE AND ENGINEERING PRACTICES
LEARNING & INNOVATION	1 Asking Questions & Defining Problems
Critical Thinking and Problem Solving	2 Developing & Using Models
Communication and Collaboration	3 Analyzing & Interpreting Data
INFORMATION, MEDIA, & TECHNOLOGY SKILLS	4 Using Mathematics & Computational Thinking
Media Literacy	5 Constructing Explanations & Designing Solutions
LIFE & CAREER SKILLS	6 Engaging in Argument from Evidence
Flexibility and Adaptability	7 Obtaining, Evaluating, & Communicating Information
Social and Cross-Cultural Skills	

NGSS
ECOSYSTEMS: INTERACTIONS. ENERGY, AND DYNAMICS
Middle School Students who demonstrate understanding can:
<i>MS-LS2-1.</i> Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.
<i>MS-LS2-4.</i> Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.
<i>MS-LS2-5.</i> Evaluate competing design solutions for maintaining biodiversity and ecosystem services.
EARTH'S SYSTEM
Middle School Students who demonstrate understanding can:
<i>MS-ESS2-6.</i> Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.
EARTH AND HUMAN ACTIVITY
Middle School Students who demonstrate understanding can:
<i>MS-ESS3-4.</i> Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.
<i>MS-ESS3-5.</i> Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.

