

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 Analyzing & Interpreting Data
Communication and Collaboration	3 Using Mathematics & Computational Thinking
INFORMATION, MEDIA, & TECHNOLOGY SKILLS	4 Constructing Explanations & Designing Solutions
Media Literacy	5 Engaging in Argument from Evidence
LIFE & CAREER SKILLS	6 Obtaining, Evaluating, & Communicating Information
Flexibility and Adaptability	
Social and Cross-Cultural Skills	

NGSS - MIDDLE SCHOOL
ECOSYSTEMS: INTERACTIONS, ENERGY, AND DYNAMICS
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.
EARTH'S SYSTEMS
Students who demonstrate understanding can:
<i>MS-ESS2-5.</i> Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.
EARTH AND HUMAN ACTIVITY
Students who demonstrate understanding can:
<i>MS-ESS3-2.</i> Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.
<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.