

Readorium Alignment to FOSS Kit: Life, Growth, Development & Reproduction		
Readorium Books By Standard	Magazine Articles (A) and Science Alive Videos (V) By Standard	Teacher Resource Center Classroom Strategy Lessons (CL) with Articles (A) by Standard
<p>NGSS: 6-8-LS1.A. From Molecules to Organisms: Structures and Processes: Structure and Function: All living things are made up of cells, which is the smallest unit that can be said to be alive. An organism may consist of one single cell (unicellular) or many different numbers and types of cells (multicellular). (MS-LS1-1)</p> <p>Within cells, special structures are responsible for particular functions, and the cell membrane forms the boundary that controls what enters and leaves the cell. (MS-LS1-2)</p> <p>In multicellular organism, the body is a system of multiple interacting subsystems. These subsystems are groups of cells that work together to form tissues and organs that are specialized for particular body functions. (MS-LS1-3)</p>		
<ul style="list-style-type: none"> • Microscopes: Seeing the Tiny World • Nature's Weird Surprises • Our Bodies • Genetics: Why We Look the Way We Do • The Formation and Growth of Human Life - Mitosis and Meiosis • Becoming and Staying Healthy 	<ul style="list-style-type: none"> • Biotechnology(A) • The Brain.. What's in There (A) • Cancer: Cells Out of Control(A) • Twin Fascination(A) • The Tiny World of Cells(A) • Cells and Smells (A) • I'm Squished (An Argument by Cell Organelles) (A) • The Inside Story- Plant and Animal Cells and Organelles (A) • Hair Time(A) • Raise Your Voice(A) 	<ul style="list-style-type: none"> •
<p>NGSS: 6-8-LS1.B. From Molecules to Organisms: Structures and Processes: Growth and Development of Organisms:</p> <p>Animals engage in characteristic behaviors that increase the odds of reproduction. (MS-LS1-4)</p> <p>Plants reproduce in a variety of ways, sometimes depending on animal behavior and specialized features for reproduction. (MS-LS1-4)</p> <p>Genetic factors as well as local conditions affect the growth of the adult plant. (MS-LS1-5)</p>		
<ul style="list-style-type: none"> • Desert Biomes • Arctic Tundra: A Harsh Place to Live • Nature's Weird Surprises • Prairie Ecosystems • Scientists who Changed the World • Surviving in Nature 	<ul style="list-style-type: none"> • Bones Tell the Story (A) • How Plants Trick Animals (A) • Rocks Rock (A) • Animal Magnetism! (V) • 	<ul style="list-style-type: none"> • Creating Sensory Images (CL-1, A-1 The Rainforest Awakens My Senses) • Creating Sensory Images (CL-3 A-2, An Afternoon Rain) • Determining Importance (CL-2, A-1 Dragonflies: Flying Aces) • Determining Importance (CL-3, A-1 An Anchor in the Storm) • Making Connections/ Synthesizing (CL-3, A-1 The Lynx and the Hare: Predator-Prey Relationships) • Print Features (CL-2, A-2 Plants that Trick Animals!) • Print Features CL-2, A-1 Bats) • Inferring (CL-2, A-1 Sloth Stories) • Print Features CL-3 A-1 Home Sweet Home: Dens and Other Shelters)

		<ul style="list-style-type: none"> • Monitor for Meaning CL-3 A-1 Sharing the Sun)
<p>NGSS: 6-8-LS1.D. From Molecules to Organisms: Structures and Processes: Matter and Energy in Organisms and Ecosystems: Each sense receptor responds to different inputs (electromagnetic, mechanical, chemical), transmitting them as signals that travel along nerve cells to the brain, resulting in immediate behaviors or memories. (MS-LS1-8)</p>		
<ul style="list-style-type: none"> • Our Bodies: The Most Marvelous Machines 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Making Connections/ Synthesizing (CL-3, A-2 The Limits of the Human Body) • Context Clues (CL-1, A-2 Making Memories) • Creating Sensory Images (CL-2, A-1 The Call of the Tinamou) • Inferring (CL-2, A-2 Video Games)
<p>NGSS: 6-8-LS3.B. Heredity: Inheritance and Variation of Traits: Growth, Development, and Reproduction of Organisms: In addition to variations that arise from sexual reproduction, genetic information can be altered because of mutations. Though rare, mutations may result in changes to the structure and function of proteins. Some changes are beneficial, others harmful, and some are neutral to the organism. (MS-LS3-1)</p>		
<ul style="list-style-type: none"> • Desert Biomes • Surviving in Nature 	<ul style="list-style-type: none"> • How Video Games Affect Personality (A) • Strange Medical Conditions (A) • Why Are Some Hands more “Handy”(A) 	<ul style="list-style-type: none"> •
<p>NGSS: 6-8-LS3.B. Heredity: Inheritance and Variation of Traits: Variation of Traits: In addition to variations that arise from sexual reproduction, genetic information can be altered because of mutations. Though rare, mutations may result in changes to the structure and function of proteins. Some changes are beneficial, others harmful, and some neutral to the organism. (MS-LS3-1)</p>		
<ul style="list-style-type: none"> • Mitosis and Meiosis • Genetics 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •