

Cells

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
Living our Faith	<input type="checkbox"/> I can connect what I learn to my faith.*				
	<input type="checkbox"/> I can apply what I learn in my daily life.*				

Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. LS.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. LS.2B				

Content		Notes	Check Up		
Cell Structure	<input type="checkbox"/> I can describe how living things are made of cells. LS.6A				
	<input type="checkbox"/> I can identify and classify organisms: LS.6A.1 <input type="checkbox"/> prokaryotic or eukaryotic <input type="checkbox"/> unicellular or multicellular <input type="checkbox"/> autotrophic or heterotrophic <input type="checkbox"/> mode of reproduction				
	<input type="checkbox"/> I can diagram levels in an ecosystem. LS.6A.2				
Functions of a Cell	<input type="checkbox"/> I can describe the functions of the parts of a cell and the cell as a whole. LS.6B				
	<input type="checkbox"/> I can differentiate between plant and animal cells. LS.6B.1				
Body Systems	<input type="checkbox"/> I can describe how the body is composed of systems that interact with each other. LS.6C				
	<input type="checkbox"/> I can identify the main functions of body systems. LS.6C.1 <input type="checkbox"/> circulatory <input type="checkbox"/> excretory <input type="checkbox"/> respiratory <input type="checkbox"/> reproductive <input type="checkbox"/> skeletal <input type="checkbox"/> integumentary <input type="checkbox"/> muscular <input type="checkbox"/> nervous <input type="checkbox"/> digestive <input type="checkbox"/> endocrine				
	<input type="checkbox"/> I can compare the functions of cell organelles to the functions of an organ system. LS.6C.2				

Learning Process Standards (Ways to Show)		Notes	Check Up		
Observing and Measuring	<input type="checkbox"/> I can collect and record information by observing and measuring. LS.2C				
Interpreting Information	<input type="checkbox"/> I can analyze and interpret information from an investigation and give a reasonable explanation based on the evidence. LS.2D				
Constructing Models	<input type="checkbox"/> I can represent the natural world using models. LS.2E				

Matter and Energy in Organisms and Ecosystems

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. LS.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. LS.2B				

Content		Notes	Check Up		
Photosynthesis	<input type="checkbox"/> I can describe the role of photosynthesis in the flow of energy. LS.6D				
	<input type="checkbox"/> I can describe how food is used to form molecules and release energy. LS.6D.1				
Flow of Energy	<input type="checkbox"/> I can describe the how matter cycles and energy flows among living and nonliving parts of an ecosystem. LS.6E				
	<input type="checkbox"/> I can describe the effects of resource availability on organisms and populations. LS.6E.1				
	<input type="checkbox"/> I can describe how biodiversity contributes to an ecosystem. LS.6E.2				
	<input type="checkbox"/> I can describe the role of ecological succession. LS.6E.3				

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Constructing Models	<input type="checkbox"/> I can represent the natural world using models. LS.2E				

Interdependent Relationships in Ecosystems

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. LS.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. LS.2B				

Content		Notes	Check Up		
Interdependence	<input type="checkbox"/> I can explain how organisms interact across ecosystems. LS.6F				
	<input type="checkbox"/> I can describe how organisms in an ecosystem may compete for a variety of factors. LS.6F.1				
Environmental Changes	<input type="checkbox"/> I can design multiple solutions for maintaining biodiversity. LS.6G				
	<input type="checkbox"/> I can describe how changes in the environment affect organisms and the next populations. LS.6G.1				

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Constructing Models	<input type="checkbox"/> I can represent the natural world using models. LS.2E				

Natural Selection and Adaption

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. LS.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. LS.2B				

Content		Notes	Check Up		
Natural Selection and Adaption	<input type="checkbox"/> I can compare modern and fossil organisms. LS.6H				
	<input type="checkbox"/> I can describe how fossil records document changes in life forms over time. LS.6H.1				
	<input type="checkbox"/> I can compare similarities in embryo development across species that are not present in the fully formed anatomy. LS.6H.2				
Adaptation and Survival	<input type="checkbox"/> I can explain how genetic variations help some species survive. LS.6I				
	<input type="checkbox"/> I can explain the functions of adaptations. LS.6I.1				
	<input type="checkbox"/> I can explain variations within a species. LS.6I.2				

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Constructing Models	<input type="checkbox"/> I can represent the natural world using models. LS.2E				

Growth, Development, and Reproduction of Organisms

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. LS.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. LS.2B				

Content		Notes	Check Up		
Genetic Variation	<input type="checkbox"/> I can explain how behaviors and structures affect successful reproduction. LS.6J				
	<input type="checkbox"/> I can identify insects or leaves using scientific keys. LS.6J.1				
	<input type="checkbox"/> I can explain the factors that influence the growth of organisms. LS.6J.2				
Reproduction and Heredity	<input type="checkbox"/> I can describe the difference between sexual and asexual reproduction. LS.6K				
	<input type="checkbox"/> I can define heredity. LS.6K.1				
	<input type="checkbox"/> I can describe how inherited traits are determined by genetic materials. LS.6K.2				
	<input type="checkbox"/> I can identify changes in genetic traits that have occurred over several generations. LS.6K.3				
	<input type="checkbox"/> I can describe ways to care for all stages of human life.* LS.6K.4				

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Constructing Models	<input type="checkbox"/> I can represent the natural world using models. LS.2E				