

Big Idea: How do internal and external parts of plants and animals help them to survive, grow, behave, and reproduce?

Guiding Questions:

1) How do scientists describe a system in terms of its components and their interactions?

2) How do plants and animals use internal and external structures that serve various functions in growth, survival, behavior, and reproduction?

[Folder with Additional Resources](#)

<i>DCI (Disciplinary Core Ideas)</i>	<i>Science and Engineering Practices</i>	<i>Cross Cutting Concepts</i>	<i>Student Learning Objectives</i>	<i>Differentiated Activities (Consider the 5 Es)</i>	<i>Resources/Technology</i>	<i>Formative Assessments</i>	<i>Benchmark Assessment</i>
Plants and animals have both internal and external structures that serve various functions in growth, survival, and reproduction. (LS1.A)	Construct an argument with evidence, data, and/or a model. (4-LS1-1)	A system can be described in terms of its components and their interactions. (4-LS1-1)	SWBAT analyze a plant or animal, collect evidence, and explain how the internal and external features support their survival. SWBAT model how senses are used in respect to the brain in order to respond to their environment effectively. SWBAT use a model to describe that animals receive different types of information through their senses, process the information in their brains, and respond to the information in different ways.	Leaves are important lab	Think Garden Video	Facilitation Grid	PBA
				Bite into Structure and Function	Plant and Animal Structure Presentation	Quizzes	Test
				Lab Squid Exploration	Bozeman Science Video		
				Gas Exchange in Leaves			
				Clicker Activity-Animal Stimuli			
				Bite into Structure			
				Lab Squid Exploration			