



Science Grade 8 Life Science: Cells, Tissues, Organs, and Systems (CS)					
Outcome		1 – Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 – Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 – Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. I achieve the outcome.	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
CS8.1 I can analyze the characteristics of cells, and compare structural and functional characteristics of plant and animal cells.	Characteristics of cells	<ul style="list-style-type: none"> I can identify some characteristics of cells in single-celled and multicellular plants and animals, with help. 	<ul style="list-style-type: none"> I can identify some characteristics of cells in single-celled and multicellular plants and animals. 	<ul style="list-style-type: none"> I can identify and describe many characteristics of cells in single-celled and multicellular plants and animals. 	<ul style="list-style-type: none"> I can identify and describe many characteristics of cells in single-celled and multicellular plants and animals, and I can express the significance of these characteristics.
	Comparison of plant and animal cells	<ul style="list-style-type: none"> I can show the structures OR functions of plant OR animal cells. 	<ul style="list-style-type: none"> I can show the structures and functions of either plant OR animal cells. 	<ul style="list-style-type: none"> I can show the similarities and differences in the structures and functions of plant AND animal cells. 	<ul style="list-style-type: none"> I can show the similarities and differences in the structures and functions of plant and animal cells, and I can express my inferences about the importance of such differences.
Comments					



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CS8.2 Demonstrate proficiency in the use of a compound light microscope to observe plant and animal cells.	<ul style="list-style-type: none"> I can use a microscope to observe some characteristics of plant and animal cells, with help. I can draw diagrams of what I see, with a few labels, with help. 	<ul style="list-style-type: none"> I can use a microscope to observe some characteristics of plant and animal cells. I can draw diagrams of what I see, with a few labels. 	<ul style="list-style-type: none"> With the proper techniques, I can use a microscope to clearly observe differences in structure between plant and animal cells. I can draw clearly labelled diagrams of what I see. 	<ul style="list-style-type: none"> I can confidently use and manipulate the microscope to clearly observe differences in structure between plant and animal cells. I can draw clear and neat labelled diagrams of what I see.
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CS8.3 Distinguish structural and functional relationships among cells, tissues, organs, and organ systems in humans and how this knowledge is important to various careers.	Distinguish structural and function relationships	• I can differentiate among cells, tissues, organs, and organ systems in humans according to their structures OR functions, with help.	• I can differentiate among cells, tissues, organs, and organ systems in humans according to their structures OR functions.	• I can explain how cells, tissues, organs, and organ systems in humans are related according to their structures AND functions.	• I can compare and contrast cells, tissues, organs, and organ systems in humans are related according to their structures AND functions.
	Importance to careers	• I can explain how the knowledge of cells, tissues, organs, and organ systems is valuable to ONE science-and-technology-based career, with help.	• I can explain how the knowledge of cells, tissues, organs, and organ systems is valuable to ONE science-and-technology-based career.	• I can explain how the knowledge of cells, tissues, organs, and organ systems is valuable to a few science-and-technology-based careers.	• I can compare the knowledge of cells, tissues, organs, and organ systems needed in a few science-and-technology-based careers.
Comments					
CS8.4 Analyze how the interdependence of organ systems contributes to the healthy functioning of the human body.		• I can identify how the functions of the human body depend on individual organ systems, with help.	• I can identify how the functions of the human body depend on individual organ systems.	• I can describe how the healthy functioning of the human body depends on individual organ systems working together.	• I can create an action plan that focuses on the interdependence of organ systems to promote the healthy functioning of the body.
Comments					

