

## **PGISD Priority Standard Summary Chart**

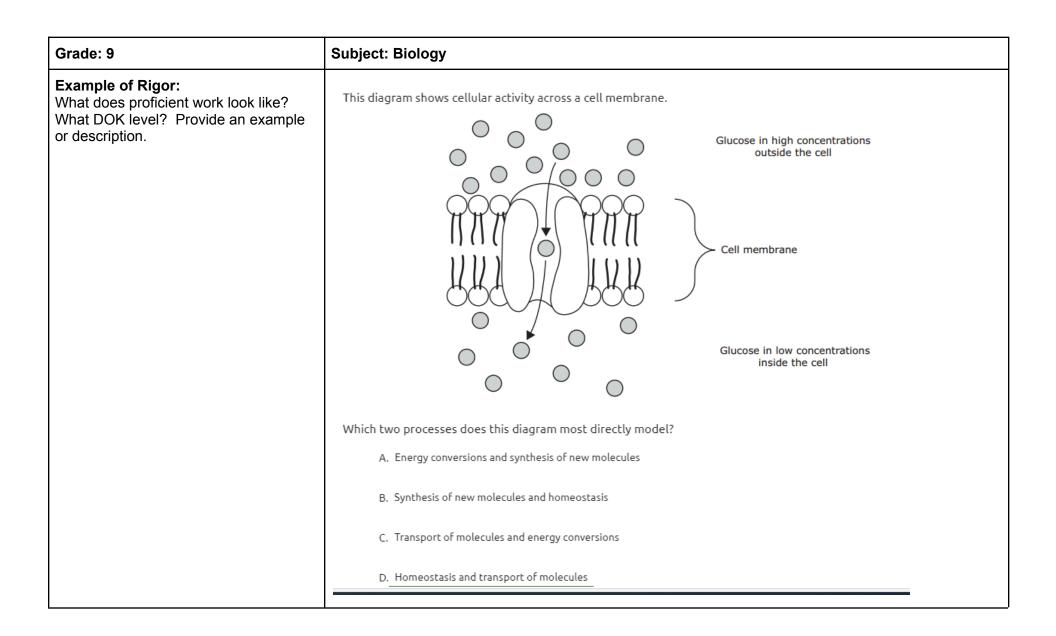
Priority Standard: B.4B Investigate and explain cellular processes, including homeostasis and transport of molecules.

Ladder: Top rung is the standard in its entirety. Please write in the learning target for each rung until you reach the top rung. Add rows if needed.

	Priority Standard	I can investigate and explain cellular processes, including homeostasis and transport of molecules.
	Step 6 to Proficiency	I can define active transport and compare and contrast it with passive transport.
	Step 5 to Proficiency	I can define osmosis and explain how water would move when a cell is placed in different solutions (iso, hypo, and hypertonic)
	Step 4 to Proficiency	I can describe the process of diffusion and other types of passive transport.
	Step 3 to Proficiency	I can explain what a concentration gradient is.
	Step 2 to Proficiency	I can define homeostasis and explain why it is important to cells and organisms
-	Step 1 to Proficiency	I can describe cellular structure, including the cell membrane.



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<b>Prerequisite Skills:</b> What prior knowledge, skills and/or vocabulary are needed for a student to master this standard?	Vocabulary; cell structure and function, homeostasis, concentration of solutions
When Taught: When will this standard be taught?	unit 2
<b>Common Assessments:</b> What assessments will be used to measure student mastery? (CFA and Unit assessment) Link them here.	CFA- in Eduphoria CUA- in Eduphoria
<b>Extension</b> What will we do when the students have already learned this standard?	Performance Assessment: Using a model of a cell membrane, demonstrate examples of diffusion, osmosis, active transport, and endo- and exocytosis. For each example, explain the movement of molecules in terms of homeostasis. Additionally, evaluate and explain the limitations of the model.
Additional Instructional Materials (Link here)	