Systems: The Space Station

Assessment Rubric

	Literal	Developed	In-depth	Sophisticated
Name two space station systems and explain, compare and contrast their functions.	simplistic restatement of what a system is	clear interpretation of how a school fits the definition of a system	subtle similarities and differences as the school building is compared to systems in general	similarities and differences of systems identified, compared and contrasted in a variety of contexts.
Interpret: Choose one space station system and explain why it is a system.	incomplete, superficial, little evidence, fragmented	some supported theory or information, but little evidence	analytic and revealing, well supported by evidence and argument	thorough and fully supported, excellent presentation of main ideas and supporting details
Define a "system". Create a definition of a system.	simplistic restatement of definition	clear definition and statement of information	clear definition in context or through the use of a model or example	clear definition of in context; model demonstrates order, predictability, form and function
Identify the interrelating systems of a space station; How do the systems function together?	simplistic restatement of each system	clear interpretation of how each system fits the definition of a system	subtle similarities and differences identified as each system is compared to systems in general	similarities and differences of systems identified, interrelated in a variety of contexts
Create a floor plan of a space station identifying various systems.	incomplete; lack of a plan	completed; adequate workmanship, acceptable information	completed to specifications; information clear and logical	completed to specifications; information is self-explanatory
Research and design a space station environment in which humans could live.	incomplete, superficial model	researched, developed possible solutions, information and/or model not clear or complete	constructed a prototype, tested, evaluated solutions, adequate information and model	redesigned, overhauled the solutions based on information discerned, a clear model