Instructional Technology 3D Printing and Design Rubric

Student Names/Group Name: _____

ACTIVITY	4	3	2	1	POINTS
Critical Thinking	Student showed creativity/critical thinking in seeking out original, unexpected, or difficult to locate sources.	Student showed some creativity/critical thinking in seeking out original, unexpected, or difficult to locate sources.	Student showed very little creativity/critical thinking especially in seeking out original, unexpected, or difficult to locate sources.	Student showed no creativity/critical thinking in seeking out original, unexpected, or difficult to locate sources.	
Teamwork	All student met and had discussions regularly. All students on the team contributed to the discussion and were part of the final project. Team members showed respect with each other.	Most students met and had discussions regularly. Most students on the team contributed to the discussion and were part of the final project. Team members mostly showed respect to each other.	Some students met and had discussions regularly. Some of the students on the team contributed at some level, but a majority of the work was done by one or two.	Meetings were not held and/or some of the team members did not contribute at all to the project. Low levels of respect were evident within the team.	
Timeliness	All project deadlines were met.	Many project deadlines were met. Those that were late did not have significant impact on the finished project.	Some project deadlines were not met, resulting in some impact on the finished project.	Deadlines were regularly missed, having a significant impact on the final project.	
Functionality/ Technical Proficiency/Skill (3D Printing)	Solved all aspects of the problem/design challenge with 100% accuracy. Design reflects critical thinking and addresses a specific need.	Solved many aspects of the problem/challenge but has 1 missing/incorrect component. Design meets the need it was designed for.	Solved some aspects of the problem/challenge but has 2-3 missing/incorrect components. Design nearly meets the need it was designed for.	Multiple missing or improper components. Design doesn't meet the need it was designed for.	
Design Efficiency (3D Printing)	No wasted material and printed to the correct scale.	Little wasted material and printed to the correct scale. Could have	Scale is off, printed a little too large or small.	Scale is off, printed too large or too small.	

From https://www.slideshare.net/arnielping/video-project-rubric-66391841
From http://library.wcupa.edu/c.php?g=449010&p=3245113#s-lg-box-10031816
From https://www.rcampus.com/rubricshowc.cfm?code=ZX4C525&sp=yes&

		been oriented differently to save material.			
Final Score					

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