Learning Scale

Course	:	Biology		Quarter:	2
Content Star	ndard:	1f and 1g			
Unit of St	udy:	Energy			
Topic:		Photosynthesis and Ce	Ilular Respiration Project		
			EMS		
SWBAT descr	ibe the p	rocesses of photosynthe	esis and cellular respiration by showing where n	nolecules go	and
which is used	in each st	tep.			
Score		Description	Learning Goal		
5	4 perfor inferenc	ion to exhibiting level- mance, in-depth es and applications BEYOND what was	(Level 5 Learning Goal is Optional) -The descriptions show a deep understanding of -The descriptions and/or transitions between some show a deep understanding of the sequence and photosynthesis and cellular respiration.	teps in each p	process
4 Target Goal	No majo regardin informat (SIMPLE	or errors or omissions og any of the tion and/or processes E OR COMPLEX) that plicitly taught.	In addition to level 3: - The following terms are also included in the description of the process of photosynthesis: NADP ⁺ , ADP, phosphate, ATP synthase - The following terms are also included in the description of the process of cellular respiration: NADH, FADH ₂ - Includes how passive transport and active transport are necessary for photosynthesis and cellular respiration to occur. - The descriptions of the processes show student understanding beyond paraphrasing (i.e. show where the molecules go, which is used in each step, etc.) - The project is engaging, accurate, and creative.		
3	regardin and proc errors o	r errors or omissions g the SIMPLER details esses BUT major r omissions regarding e COMPLEX ideas and es.	• 1		
2	of some	LP, a partial knowledge of the simpler and details and processes & 4).	$(C_6H_{12}O_6)$, oxygen (O_2) , ATP, NADPH -Partial completion -Partial knowledge of some simpler and complex details and processes		

Garden Grove Unified School District Office of Secondary Education Department of 7-12 Instruction

1	Even with help, no understanding or skill demonstrated.
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It is appropriate to include *sample* math problems or vocabulary in a learning goal to clarify intent, however it is not appropriate to include specific strategies (ie. a particular thinking map, CM tool, type of assessment, etc.).