21st Century Skills Adapted from ISTE NETS-S and P21		Level 1 Class Work	Level 1 Report	Level 1 Digital Presentation	Level 2/3 Task 1	Level 2/3 Task 2	Level 2/3 Task 3	Level 2/3 Task 4	Level 2/3 Task 5	Level 2/3 Task 6	Level 2/3 Task 7	Level 2/3 Task 8	Level 2/3 Task 9	Level 2/3 Task 10	Level 2/3 Task 11	Level 2/3 Task 12	Level 2/3 Task 13	Level 2/3 Task 14	Level 2/3 Task 15	Level 2/3 Task 16	Level 2/3 Task 17	Level 2/3 Task 18	Level 2/3 Task 19	Level 2/3 Task 20	Level 2/3 Task 21	Level 2/3 Task 22	Level 2/3 Task 23	Level 2/3 Task 24	Level 2/3 Task 25	Level 2/3 Task 26	Level 2/3 Task 27	Level 2/3 Task 28	STEM FESTIVAL AND EXPO	Video Production Contest	Website Construction Contest
Creativity and Innovation	apply existing knowledge to generate new ideas, products, or processes	✓	✓					✓	✓	✓																									
	create original works as a means of personal or group expression.		✓	✓										✓	✓		✓	✓								✓			✓	✓					
	use models and simulations to explore complex systems and issues.	✓												✓	✓																				
Communication and Collaboration	interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.	✓		✓										✓					✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			
	communicate information and ideas effectively to multiple audiences using a variety of media and formats.			✓	✓	✓					✓			✓					✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	develop cultural understanding and global awareness by engaging with learners of other cultures.																					✓											✓	✓	✓
	contribute to project teams to produce original works or solve problems.	✓		✓																		✓			✓								✓	✓	✓
Research and Information Fluency	plan strategies to guide inquiry.		✓	✓	✓		✓		✓	✓	✓					✓																			
	locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.	✓					✓	✓									✓	✓																	
	evaluate and select information sources and digital tools based on the appropriateness to specific tasks.			✓				✓						✓	✓		✓	✓																	
	process data and report results.		✓	✓										✓	✓	✓										✓	✓	✓							
Critical Thinking, Problem Solving, and Decision Making	identify and define authentic problems and significant questions for investigation.			✓			✓	✓	✓	✓				✓	✓	✓	✓	✓																	
	plan and manage activities to develop a solution or complete a project.	✓						✓	✓	✓	✓			✓	✓	✓	✓	✓								✓			✓		✓				
	collect and analyze data to identify solutions and/or make informed decisions.	✓	✓					✓						✓	✓	✓	✓	✓								✓			✓		✓				
	use multiple processes and diverse perspectives to explore alternative solutions.		✓													✓																			
Digital Citizenship	advocate and practice safe, legal, and responsible use of information and technology.			✓	✓	✓						✓	✓	✓	✓				✓	✓	✓		✓	✓											
	exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.	✓		✓	✓	✓						✓	✓	✓	✓				✓	✓	✓	✓	✓	✓								✓	✓	✓
	demonstrate personal responsibility for lifelong learning.			✓	✓	✓													✓	✓	✓		✓	✓									✓	✓
	exhibit leadership for digital citizenship.			✓																													✓	✓
Technology Operations and Concepts	understand and use technology systems.	✓		✓								✓							✓	✓	✓													
	select and use applications effectively and productively.			✓								✓	✓	✓	✓				✓		✓		✓	✓	✓	✓	✓	✓					✓	✓
	troubleshoot systems and applications.																				✓							✓					✓	✓
	transfer current knowledge to learning of new technologies.											✓	✓	✓	✓						✓							✓					✓	✓
Life and Career Skills	Adapt to Change and Be Flexible			✓			✓	✓	✓	✓																								
	Manage Goals and Time						✓	✓	✓										✓	✓	✓	✓	✓	✓									✓	
	Work Independently and Be Self-directed Learners						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																	
	Interact Effectively with Others and Work Effectively in Diverse Teams	✓	✓	✓																		✓											✓	✓	✓
	Manage Projects and Produce Results			✓												✓	✓	✓	✓	✓	✓													✓	✓