Concept	Indicator	Indicator Statement	Activity
Career Ready Practices	1	Act as a responsible and contributing citizen and employee.	Career Ready Practices Rubric
	2	Apply Appropriate academic and technical skills.	Career Ready Practices Rubric
	3	Attend to personal health and financial wellbeing.	Career Ready Practices Rubric
	4	Communicate clearly, effectively and with reason.	Career Ready Practices Rubric
	5	Consider the environmental, social and economic impacts of decisions.	Career Ready Practices Rubric
	6	Demonstrate creativity and innovation	Career Ready Practices Rubric
	7	Employ valid and reliable research strategies	Career Ready Practices Rubric
	8	Utilize critical thinking to make sense of problems and preserver in solving them.	Career Ready Practices Rubric
	9	Model integrity, ethical leadership and effective management	Career Ready Practices Rubric
	10	Plan education and career path aligned to personal goals.	Career Ready Practices Rubric
	11	Use technology to enhance productivity	Career Ready Practices Rubric
	12	Work productively in teams while using cultural/global competence	Career Ready Practices Rubric
Architecture& Construction Career Cluster	AC-DES-1	Justify design solutions through the use of research documentation and analysis of data.	Robot Systems
	AC-DES-2	Use effective communication skills and strategies (listening, speaking, reading, writing, and graphic communications) to work with clients and colleagues	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	AC-DES-3	Describe the requirements of the integral systems that impact the design of buildings.	Community Project
	AC-DES-5	Identify the diverse needs, values, and social patterns in project designs, including accessibility standards	Community Project
Information Technology Career Cluster	IT-SUP-1	Provide technology support to maintain service.	-
	IT-SUP-2	Manage operating systems and software applications, including maintenance of upgrades, patches an service packs.	-
	IT-SUP-3	Apply quality assurance processes to maximize information system operation.	Computational Thinking, Advanced Computational Thinking
	IT-PRG-1	Analyze customer software needs and requirements	
	IT-PRG-2	Demonstrate the use of industry-standard strategies and project planning to meet customer specification	Team Plan and Robot Plan
STEM Engineering & Technology	ST-1	Apply engineering skills in a project that requires project management skills, process control and quality assurance.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-2	Use technology to acquire, manipulate, analyze and report data.	Team Plan and Robot Plan, Computational Thinking, Iteration and Redesign
	ST-3	Describe and follow safety, health and environmental standards related to science, technology, engineering and mathematics (STEM) workplaces.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-4	Understand the nature and scope of the Science, Technology, Engineering & Mathematics Career Cluster and the role of STEM in society and the economy.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-5	Demonstrate and understanding of the breadth of career opportunities and means to those opportunities in each of the	Career and Workforce Unit

		Science, Technology, Engineering & Mathematics Career Pathways.	
	ST-6	Demonstrate technical skills needed in a chosen STEM field.	Team plan and robot plan, Robot Systems Career and Workforce Unit
Engineering & Technology Career Pathway	ST-ET-1	Use STEM concepts and processes to solve problems involving design and or production.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-ET-2	Display and communicated STEM information.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-ET-3	Apply processes and concepts for the use of technological tools in STEM.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-ET-4	Apply elements of the design process.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-ET-5	Apply the knowledge learned in STEM to solve problems.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-ET-6	Apply the knowledge learned in the study of STEM to provide solutions to human and societal problems in an ethical and legal manner.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-SM-1	Apply science and mathematics to provide results, answers and algorithms for engineering and technological activities.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-SM-2	Apply science and mathematics concepts to the development of plans, processes and projects that address real-world problems.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-SM-3	Analyze the impact that science and mathematics has on society.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.
	ST-SM-4	Apply critical thinking skills to review information, explain statistical analysis, and to translate, interpret and summarize research and statistical data.	Team Plan and Robot Plan, Robot Systems, Iteration and Redesign, Advanced Automation, Community Project.