

Advanced Manufacturing Technologies

Items	Standard
	CONTENT STANDARD 2.0: IDENTIFY LAB ORGANIZATION AND SAFETY PROCEDURES
22	Performance Standard 2.1: Demonstrate General Lab Safety Rules and Procedures
2	Performance Standard 2.2: Identify and Utilize Hand Tools
3	Performance Standard 2.3: Identify and Utilize Power Tools and Equipment
	CONTENT STANDARD 4.0: APPLY FUNDAMENTAL ADVANCED MANUFACTURING SKILLS
16	Performance Standard 4.1: Utilize Mathematical Operations and Measuring Techniques
9	Performance Standard 4.2: Interpret Schematics and Technical Drawings
3	Performance Standard 4.3: Demonstrate Spatial Reasoning and 3D Modeling Techniques
5	Performance Standard 4.4: Investigate Materials Used in Advanced Manufacturing
1	Performance Standard 4.5: Investigate the Engineering Design Process
2	Performance Standard 4.6: Identify Fundamental Advanced Manufacturing Components and
	CONTENT STANDARD 5.0: APPLY FUNDAMENTAL POWER SYSTEM PRINCIPLES
8	Performance Standard 5.1: Identify and Utilize Basic Electrical Systems
3	Performance Standard 5.2: Identify and Utilize Basic Mechanical Systems
6	Performance Standard 5.3: Identify Power Systems
4	Performance Standard 5.4: Identify and Utilize Basic Fluid Systems
	CONTENT STANDARD 6.0: CHARACTERIZE ADVANCED MANUFACTURING CONTROL DEVICES
2	Performance Standard 6.2: Apply Fundamentals of Electronics
1	Performance Standard 6.5: Explore Programmable Logic Controllers
	CONTENT STANDARD 7.0: IDENTIFY AND APPLY MANUFACTURING PROCESSES
2	Performance Standard 7.1: Apply Additive Manufacturing Processes
9	Performance Standard 7.2: Demonstrate Subtractive Manufacturing Processes
2	Performance Standard 7.3: Investigate Joining and Fastening Processes
100	Total Correlations