

Career Exploration Centre — SAITCity

Individual SAITCity careers: curriculum and competencies connections chart

Competencies	CTF occupational cluster	English Language Arts	Health / Physical Ed.	Math	Science	Social Studies	Other
Business							
Accountant							
Critical thinking	Business: Financial management	Explore thoughts, ideas, feelings and experiences		Number			
Managing information				Statistics and probability (graphing)			
Communication							
Marketing Manager							
Critical thinking	Business: Management and marketing	Comprehend and respond personally and critically to various texts				Skills and processes: Research for deliberative inquiry	
Problem solving		Manage ideas and information					
Creativity and innovation		Enhance clarity and artistry of communication				Skills and processes: Communications	
Communication		Respect, support and collaborate with others					
Collaboration							
Managing information							

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Sales Manager							
Critical thinking Creativity and innovation Communication	Business: Management and marketing	Comprehend and respond personally and critically to various texts Enhance clarity and artistry of communication	Health: Relationship choices	Number		Skills and processes: Communications	
Supply Chain Manager							
Critical thinking Problem solving Managing information Communication Collaboration	Business: Management and marketing	Manage ideas and information Present and share		Number Patterns and relations (variables and equations)		Skills and processes: Research for deliberative inquiry	
Construction							
Architectural Technologist							
Critical thinking Problem solving Creativity and innovation Managing information	Communication: Design studies	Explore thoughts, ideas, feelings and experiences Manage ideas and information		Number			Art: Compositions, encounters ICT: C6 - Use technology to investigate and/or share problems

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Bricklayer							
Critical thinking Problem solving	Technology: Construction	Explore thoughts, ideas, feelings and experiences		Number	Structures and forces		
Construction Project Manager							
Critical thinking Problem solving	Business: Enterprise and innovation	Explore thoughts, ideas, feelings and experiences Manage ideas and information		Number			
Plumber							
Critical thinking	Technology: Construction			Number Shape and space (measurement)	Mix and flow of matter		
Energy and Environment							
Electrical Engineering Technologist							
Critical thinking Problem solving Global citizenship	Technology: Electro-technologies	Explore thoughts, ideas, feelings and experiences		Number Shape and space (measurement)	Electrical principles and technologies	Skills and processes: Dimensions of thinking	
Petroleum Engineering Technologist							
Critical thinking Problem solving Global citizenship	Resources: Primary resources	Manage ideas and information		Number Patterns and relations (variables and equations)	Planet earth Foundation 4 - attitudes	Skills and processes: Dimensions of thinking	

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Environmental Technologist							
Critical thinking	Resources: Environmental stewardship			Number	Fresh and salt water		
Problem solving				Patterns and relations	Environmental chemistry		
Managing information				Statistics and probability			
Collaboration							
Global citizenship							
Physical growth and well-being							
Power Engineering Technologist							
Critical thinking	Technology: Electro-technologies	Clarify and extend		Number	Mix and flow of matter		
Problem solving		Organize, record and evaluate		Patterns and relations	Light and optical systems		
Managing information				Shape and space	Mechanical systems		
Global citizenship					Electrical principles		

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Health and Public Safety							
Dental Assistant							
Critical thinking Physical growth and well-being	Human services: Health care services	Explore thoughts, ideas, feelings and experiences Manage ideas and information Respect, support and collaborate with others	Physical Ed: Activity, Do it daily for life Health: Wellness choices		Light and optical systems Foundation 3: skills		Art: Compositions
Medical Radiologic Technologist							
Critical thinking Communication Problem solving Digital and technological fluency	Human services: Health care services	Enhance the clarity and artistry of communication Manage ideas and information Respect, support and collaborate with others	Physical Ed: Activity		Light and optical systems Cells and systems		

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Pharmacy Assistant							
Critical thinking	Human services: Health care services	Explore thoughts, ideas, feelings and experiences	Health: Wellness choices, Relationship choices		Foundation 3: skills		
Problem solving		Manage ideas and information			Foundation 4: attitudes		
Communication		Comprehend and respond personally and critically to various texts					
Managing information							
Personal growth and well-being							
Rehabilitation Therapy Assistant							
Critical thinking	Human services: Health care services	Enhance the clarity and artistry of communication	Physical Ed: Activity, Do it daily for life				
Communication		Manage ideas and information					
Managing information		Respect, support and collaborate with others					
Personal growth and well-being							
Hospitality and Tourism							
Chef							
Critical thinking	Human services: Foods	Manage ideas and information		Number			Art: Compositions
Communication		Enhance the clarity and artistry of communication					
Creativity and innovation							

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Pastry Chef							
Critical thinking Creativity and innovation	Human services: Foods	Manage ideas and information		Number			Art: Compositions
Restaurant Manager							
Critical thinking Problem solving Communication Collaboration Cultural citizenship	Business: Management and marketing	Respect, support and collaborate with others	Health: Wellness choices, Relationship choices, Lifelong learning choices				
Travel Professional							
Critical thinking Problem solving Communication Managing information Creativity and innovation	Human services: Tourism	Manage ideas and information		Number		Skills and processes: Research for deliberative inquiry	

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Information and Communication Technologies							
Broadcast Journalist							
Critical thinking Communication	Communication: Communication technology	Comprehend and respond personally and critically to various texts Manage ideas and information Enhance the clarity and artistry of communication				Skills and processes: Dimensions of thinking Skills and processes: Communication	ICT: P3 - Students will communicate through multimedia
Computer Technician							
Communication	Business: Computing science	Comprehend and respond personally and critically to various texts Manage ideas and information Enhance the clarity and artistry of communication			Electrical principles and technologies Foundation 3: skills		ICT: F1 - Students will demonstrate an understanding of the nature of technology F5 - Students will practice the concepts of ergonomics and safety when using technology

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Graphic Designer							
Critical thinking Communication Creativity and innovation	Communication: Design studies	Comprehend and respond personally and critically to various texts Manage ideas and information Enhance the clarity and artistry of communication					Art: Compositions, encounters
Software Developer							
Critical thinking Problem solving	Business: Computing science	Comprehend and respond personally and critically to various texts Manage ideas and information Enhance the clarity and artistry of communication					ICT: F1 - Students will demonstrate an understanding of the nature of technology
Manufacturing and Automation							
Electrician							
Critical thinking Problem solving	Technology: Electro-technologies				Electrical principles and technologies		

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Mechanical Engineering Technologist							
Critical thinking Problem solving Creativity and innovation Collaboration Global citizenship	Communication: Design studies Technology: Mechanics	Explore thoughts, Ideas, feelings and experiences			Light and optical systems		Art: Drawings, compositions
Millwright (Industrial Mechanic)							
Critical thinking Problem solving Personal growth and well-being	Technology: Fabrication, mechanics		Health: Safety and responsibility	Shape and space (measurement)	Mechanical systems		
Non-Destructive Tester							
Critical thinking Problem solving Global citizenship	Technology: Fabrication	Manage ideas and information		Shape and space (measurement) Patterns and relations (variables and equations)	Structures and forces Foundation 3: skills		
Transportation							
Aircraft Maintenance Technician							
Critical thinking Problem solving	Technology: Mechanics	Comprehend and respond personally and critically to various texts		Shape and space (measurement)	Mechanical systems		

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Aircraft Structures Technician							
Critical thinking Problem solving Communication	Technology: Fabrication	Explore thoughts, ideas, feelings and experiences Comprehend and respond personally and critically to various texts		Number Shape and space (measurement)	Structures and forces		
Automotive Service Technician							
Critical thinking Problem solving	Technology: Mechanics	Manage ideas and information		Shape and space (measurement)	Mechanical systems		
Heavy Equipment Technician							
Critical thinking Problem solving	Technology: Mechanics	Comprehend and respond personally and critically to various texts		Number Shape and space (measurement)	Mechanical systems		