

Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

**PROGRAM COMPETENCY PROFILE FOR CAREER TECHNICAL EDUCATION**

Career Cluster: Government and Public Administration

**Program Name: JROTC: Air Force**

**CIP: 280101**

**Effective: 9/2017\***

National Standard: U.S. Air Force J ROTC

<b>Competency</b> (statement that provides the overview instructional area).  Learner can:	<b>Performance Indicator</b> (examples of what educators may see in performance tasks when learners demonstrate their increasing understanding and use of the competencies)  Learner can:	<b>Rating Scale:</b> (1) No Exposure (2) Novice (3) Proficient (4) Mastery			
<b>1. Aerospace Science:</b> Understand the history and development of flight, astronomy, the civilian and military contributions to aviation, and the development, modernization, and transformation of the Air Force. ELA: M:	<ul style="list-style-type: none"> <li>• Explain the development of flight and civilian and military contributions to aviation.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of the science of flight by:               <ul style="list-style-type: none"> <li>○ Analyzing the elements of flight</li> <li>○ Evaluating how atmospheric conditions affect flight</li> <li>○ Evaluating how flight affects the human body</li> <li>○ Analyzing flight navigation and the purpose of aerial navigation aids</li> </ul> </li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>• Describe the space environment, space exploration, manned and unmanned spaceflight, astronomy, and space technology.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>• Describe the elements of surviving, personal protection, necessities to maintain life, orientation, and traveling.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>• Explain the fundamentals of flight, flight operations, aviation weather, performance, navigation, and integrating pilot knowledge and skills.</li> </ul>	1	2	3	4
<b>2. Cultural Studies:</b> Understand global awareness through comparison of physical, political, economic, and cultural elements of continents, regions, and countries; examine the global nature of environmental issues. ELA: M:	<ul style="list-style-type: none"> <li>• Describe and explain how historical, geographic, religious, and ethnic factors have shaped the six major regions of the world:               <ul style="list-style-type: none"> <li>○ The Middle East</li> <li>○ Asia</li> <li>○ Africa</li> <li>○ Russia and the Former Soviet Republics</li> <li>○ Latin America</li> <li>○ Europe</li> </ul> </li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>• Explain how economic, political, and social factors impact cultures.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>• Explain how environmental resources influence global economic development.</li> </ul>	1	2	3	4

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	<ul style="list-style-type: none"> <li>Explain how population density, famine, war, and immigration influence the world.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Compare how the economic systems of communism and capitalism have shaped the six major regions of the world.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Discuss and explain how cultural perspectives of time, space, context, authority, interpersonal relationships, and orientation to community affect interactions among people.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Explain how economic, political, and social factors impact cultures.</li> </ul>	1	2	3	4	
<i>Exploring Space:</i>	<ul style="list-style-type: none"> <li>Explain the history of astronomy and the specific characteristics of the Earth, Moon, solar system, and the planets.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Describe the big picture of space exploration, including the history of spaceflight, organizations doing work in space, and the overall space environment.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Explain the importance of entering space, characteristics of manned and unmanned spaceflight, and how humans are affected during spaceflight.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Describe the key concepts for getting from the surface of the earth into earth orbit and to other planets and back again.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Explain how spacecraft, rockets, and launch vehicles are designed and built.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Analyze the latest advances in space technology.</li> </ul>	1	2	3	4	
<b>3.Leadership Education: Traditions, Wellness, and Foundations of Citizenship</b> Understand the importance of wellness and fitness to promote a	<ul style="list-style-type: none"> <li>Analyze the heritage, organization, and tradition of service programs.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Analyze the benefits of positive personal behavior.</li> </ul>	1	2	3	4	

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healthy lifestyle. Understand how the U.S. Constitution protects our rights and freedoms as American citizens. ELA: M:	<ul style="list-style-type: none"> <li>Evaluate healthy living through physical activity and good nutrition.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Apply safe, drug-free decisions.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Analyze the importance of citizenship in the United States.</li> </ul>	1	2	3	4	
<i>Communication, Awareness, and Leadership</i>	<ul style="list-style-type: none"> <li>Apply the key factors of effective communications.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Judge the ways in which personal awareness affects individual actions.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Distinguish the key elements of building and encouraging effective teams.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Apply the key behaviors for becoming a credible and competent leader.</li> </ul>	1	2	3	4	
<i>Life Skills and Career Opportunities</i>	<ul style="list-style-type: none"> <li>Analyze the elements of successful financial management skills.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Create a plan to safeguard personal resources.</li> </ul>	1	2	3	4	
	<ul style="list-style-type: none"> <li>Create a plan for successful career development by:                             <ul style="list-style-type: none"> <li>Analyzing the different ways of pursuing a career path.</li> <li>Analyzing the requirements for applying to a college or university.</li> <li>Analyzing positive and negative impacts of college life in meeting career goals.</li> <li>Evaluating the essential process for successfully pursuing desired career or job.</li> </ul> </li> </ul>	1	2	3	4	

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	<ul style="list-style-type: none"> <li>Evaluate the benefits of working for the Federal Government.</li> </ul>	1	2	3	4
<i>Principles of Management</i>	<ul style="list-style-type: none"> <li>Explain the history and the importance of management.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>Describe and show the techniques and skills involved in planning and decision making.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>Explain the importance of managing change, stress, and innovation.</li> </ul>	1	2	3	4
	<ul style="list-style-type: none"> <li>Apply the key elements of individual and group behavior, the importance of the communication process, and the characteristics of a good leader.</li> </ul>	1	2	3	4
<b>4. Introduction to Drill and Ceremonies:</b> Understand and knowledgeable of and have an appreciation for the traditions of the Air Force. ELA: M:	<ul style="list-style-type: none"> <li>Describe the individual and group precision movements and procedures for:               <ul style="list-style-type: none"> <li>Saluting, drill, ceremonies, individual and group uniform inspections, parades, and development of the command voice.</li> </ul> </li> </ul>	1	2	3	4
<b>5. Career Readiness:</b> Understand the necessary employability and career readiness skills in order to achieve success in today's workplace. AAI:1-9 CRP:1-13	<ul style="list-style-type: none"> <li>Discuss, practice and demonstrate the knowledge and skills to be an effective student and/or employee.  <a href="https://www.careertech.org/career-ready-practices">https://www.careertech.org/career-ready-practices</a> </li> </ul>	1	2	3	4

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