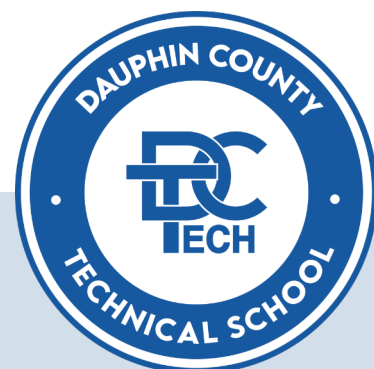
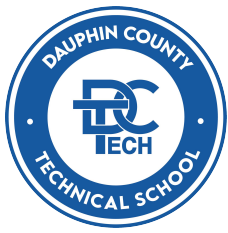




EXERCISE & SPORTS SCIENCE

51.2604

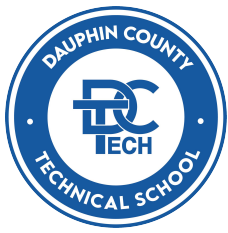




Dauphin County Technical School
Skill Alignment Chart for:
Exercise and Sport Science — CIP Code: 51.2604

Student Name: _____ **School District:** _____

Educational & Physical Attributes	Expectations	Present Education Level
Program Safety & Physical Considerations	<ul style="list-style-type: none"> ● Empathy to understand the pains & suffering of others ● Excellent personal hygiene-hair pulled back, no artificial nails, facial piercings removed, no dangling earrings ● Lift heavy objects/people up to 50 lbs ● Not disturbed by incidences such as bodily fluids, surgeries, injections & traumatic situations ● Prolonged standing, bending & stooping ● Ability to participate in exercise and sport activities 	
Action/Need:		
Essential APTITUDES for this lab-Recommended Levels	<ul style="list-style-type: none"> ● Emotional & mental stability ● Strong science skills ● Complex problem solving ● Social perceptiveness ● Service orientation ● Critical thinking skills ● Good judgement & decision making skills ● Ability to work independently & with medical professionals ● Good oral & written communications skills 	
Action/Need:		
Reading	<ul style="list-style-type: none"> ● Explain the main ideas or draw accurate conclusions after reading text ● Follow a complex multi-step procedure independently ● Read a user's manual independently ● Evaluate how words and phrases shape meaning and tone in texts ● Comprehend written text and apply it to understand tables, charts, and other visuals ● Learn and apply content-specific symbols and abbreviations correctly ● Apply content-specific vocabulary correctly 	Reading Grade 8 PSSA: BB BAS PRO ADV Keystone Literature: BB BAS PRO ADV



Dauphin County Technical School
Skill Alignment Chart for:
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	<ul style="list-style-type: none"> ● Identify and explain how different ideas connect throughout text ● Read and understand diagnostic and medical data to solve a problem ● Compare & contrast information in a text ● Summarize information from different written resources ● By the end of grades 9-10 & 11-12 read & comprehend technical texts independently & proficiently ● Evaluate the hypotheses, data, analysis & conclusions in a technical text ● Textbook: <ul style="list-style-type: none"> ● UNKNOWN AT THIS TIME 	
Action/Need:		
Writing	<ul style="list-style-type: none"> ● Write with a sharp, distinct focus identifying topic, task, and audience ● Develop and analyze the topic with relevant, well-chosen, and sufficient facts, extended definitions, concrete details, and quotations ● Organize complex ideas, concepts, and information so that each new element builds on that which precedes it to create a whole ● Establish and maintain a formal style and objective tone while attending to the norms of the discipline in which they are writing ● Produce clear & coherent writing ● Develop and strengthen writing by brainstorming, revising, editing & rewriting ● Write with awareness to audience using program-specific vocabulary ● Write routinely over short/long time frames for a range of tasks, purposes & audiences ● Clearly convey with precision step-by-step work completed ● Write fast-paced, accurate medical charts ● Use technology to produce, publish or share writing 	Writing Grade 8 PSSA: BB BAS PRO ADV
Action/Need:		

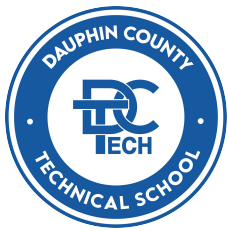


Dauphin County Technical School

Skill Alignment Chart for:

Exercise and Sport Science — CIP Code: 51.2604

Math Levels	<p>Numbers and Operations:</p> <ul style="list-style-type: none"> Grade 6 - Fluency in operations with whole numbers and decimals Grade 6 - Fraction computations. Grade 7 - Fraction to decimal conversion Grade 7 - Percent and ratio problems Grade 8 - Decimal to rational number (fraction) conversion Algebra 1 - Problem solving with real world units, including conversions <p>Measurement:</p> <ul style="list-style-type: none"> Units: English and Metric Precision: Nearest $\frac{1}{8}$ inch Grade 6 - Unit conversion within and between measuring systems <p>Algebraic Concepts:</p> <ul style="list-style-type: none"> Grade 6 - One-step equation solutions - one variable with all non-negative components Grade 7 - Two-step equation solutions - one variable <p>Data and Probability:</p> <ul style="list-style-type: none"> Algebra 1 - Interpret data on various displays - use to make predictions 	<p>Math Grade 8 PSSA: BB BAS PRO ADV Keystone Algebra I: BB BAS PRO ADV Math Level: Additional assessments if applicable</p>
Action/Need:		
Theory Time	<ul style="list-style-type: none"> 2.5 hours day 	
Action/Need:		
Homework	<ul style="list-style-type: none"> At least 2 hours/week (reading, studying, organizing notes, assignments, skill practice) 	
Action/Need:		
Lab Time	<ul style="list-style-type: none"> 2.5 hours/day 	
Action/Need:		
Tests/ Grades	<ul style="list-style-type: none"> Weekly/biweekly quizzes and tests Research papers 	

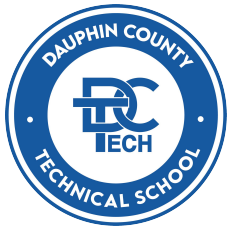


Dauphin County Technical School

Skill Alignment Chart for:

Exercise and Sport Science — CIP Code: 51.2604

	<ul style="list-style-type: none"> ● Regular Presentations ● Brochures ● Daily Professionalism Grade ● Industry Certifications <ul style="list-style-type: none"> - OSHA 10 - AHA BLS Healthcare Provider CPR/AED 	
POS Academics and Electives Recommended	<ul style="list-style-type: none"> ● NOT AVAILABLE AT THIS TIME 	
Action/Need		
Study & Other Skills	<ul style="list-style-type: none"> ● Attention to detail is extremely important ● Excellent attendance ● Basic computer & keyboarding skills ● Demonstrate initiative, responsibility & critical thinking skills ● Excellent note taking listening skills ● Professionalism ● Willingness to regularly present information to the class and peers ● Comfortable to willing to teach others 	
Action/Need:		
Technology Skills/Knowledge	<ul style="list-style-type: none"> ● Navigate and use school-issued laptop ● Web navigation ● Email management ● Navigate learning management system and instructional technology tools ● Video conferencing 	
Action/Need:		
Certifications Offered	<ul style="list-style-type: none"> ● BSL Healthcare Providers CPR/AED American Red Cross Proposed Certifications: <ul style="list-style-type: none"> ● OSHA Healthcare ● OSHA Blood borne Pathogens (Healthcare) 	
Action/Need:		



Dauphin County Technical School
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Post-Secondary Options and Continuing Ed	SOAR Articulations <ul style="list-style-type: none">• Harrisburg Area Community College	
Action/Need:		