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| **Educational & Physical Attributes** | **Expectations** | **Present Education Level** |
| **Program Safety & Physical Considerations** | * Ability to lift 50 lbs overhead * Ability to work in all weather conditions * Ability to work independently * Good eye/hand coordination * No fear of heights or working on closed spaces * Physical strength and stamina * Hair pulled back * Safety equipment worn |  |
| Action/Need: | | |
| **Essential skills for this lab** | Scores of average or above on:   * Eye/hand/foot coordination * Flexibility * Critical thinking * Active listening * Judgement,decision making, and self control * Finger dexterity * Form perception * Manual dexterity * Spatial aptitude * Ability to work independently and in groups |  |
| Action/Need: | | |
| **Reading & Language Arts Levels** | * Cite specific textual evidence & determine the central ideas or conclusions * Determine the meaning of symbols, key terms, & other content specific vocabulary * Analyze the structure of the relationships among concepts in a text * Use tables, charts, organizers to analysis technical information expressed in a text into visual form * Compare & contrast findings in a text * Evaluate the hypotheses, data, analysis, and conclusions in a technical text * Synthesis information from a range of sources * Follow precisely a complex multi-step procedure * By the end of grades 9-10 & 11-12 read & comprehend technical texts independently & proficiently * Write different types of essays such as: argumentative, informative, & explanatory focused on program specific content * Produce clear & coherent writing * Develop and strengthen writing by brainstorming, revising, editing, rewriting * Write routinely over short/long time frames for a range of tasks, purposes, & audiences * Use technology to produce, publish, or share writing | Reading Grade 8 PSSA: BB BAS PRO ADV  Writing Grade 8 PSSA: BB BAS PRO ADV  Keystone Literature: BB BAS PRO ADV  Lexile Score |
| Action/Need: | | |
| **Math Levels** | * Arithmetic computational skills * Addition, subtraction, multiplication, and division of whole numbers, fractions and decimals * Measurement-Imperial and metric systems * Unit conversion between: metric and imperial systems * Estimating quantities * Conversion between decimals, fractions, and percents * Rounding numbers * Conversion between units in English system * Accurately reading a tape measure * Reading and taking accurate measurements * Manipulation and application of fractional measurements * Percentages * Ratios and proportions * Algebra skills * Using formulas * Manipulating equations * Understanding slope and grade * Pythagorean Theorem * Geometry * Calculating perimeter, area, volume and other quantities * Calculating area of irregular shapes * Measuring angles * Ohm’s Law Formulas * Power Formulas * Calculating estimates * Calculating wages and payroll * Creating bills and other bookkeeping tasks | Math Grade 8 PSSA: BB BAS PRO ADV  Keystone Algebra I: BB BAS PRO ADV |
| Action/Need: | | |
| **Theory Time** | * 2.5 hours per week |  |
| Action/Need: | | |
| **Lab Time** | * 10 hours per week |  |
| Action/Need: | | |
| **Homework** | * study guides * daily trade term review * study for tests |  |
| Action/Need: | | |
| **Assessments** | * Quarterly assessments * 3-4 module tests/marking period * 6-10 projects/marking period * Industry Certifications   - OSHA 10 certification  - Ladder certification   * NOCTI (mandatory for all CTC programs) |  |
| Action/Need: | | |
| **Study & Other Skills** | * note taking skills * good attendance * Responsible |  |
| Action/Need: | | |
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