

Student Name:

District:

Grade:



Skill Alignment Chart for:
Heating, Ventilation, Air Conditioning (HVAC) Refrigeration
CIP Code: 47.0201

Berks Career and Technology Center East Campus

Program Highlights	Notes
<p>Program Safety & Physical Considerations</p> <ul style="list-style-type: none">• Ability to lift 50 lbs• Ability to work in all weather conditions• Ability to work independently• Eye/hand coordination• No fear of heights or working in closed spaces• Physical strength and stamina	
<p>Certifications</p> <ul style="list-style-type: none">• Student Outcome Assessment (HVAC Excellence)• EPA 608 Certification• NCCER Core• Section 609 Certification for Refrigerant Recycling and Recovery• Pennsylvania Builders Association Skills Certificate (based on NOCTI)• OSHA/CareerSafe 10-Hour Certification• OSHA 30-hour Certification	
<p>Reading & Language Arts Levels</p> <ul style="list-style-type: none">• Follow oral and written instructions• Technical reading & writing• Text written on a 12th grade level	

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Program Highlights	Notes
Math Levels <ul style="list-style-type: none">Algebra I, Geometry, Algebra II, and TrigonometryMath Skills in the area of Physics	
Lecture Time <ul style="list-style-type: none">30-45 minutes per day	
Homework <ul style="list-style-type: none">3 times per week2 essays per quarter at minimum	
Tasks Per Week <ul style="list-style-type: none">15-20 tasks per marking period	
Tests <ul style="list-style-type: none">1 to 2 tests and quizzes per weekIndustry certification exams	
Study & Other Skills <ul style="list-style-type: none">Ability to visualize in 3 dimensionsAbility to read and use rulers and tape measuresAttention to detailExtensive problem solving (logic)STRONG attention to detailWillingness to do work outside of classroom, especially studying technical manuals (homework)	