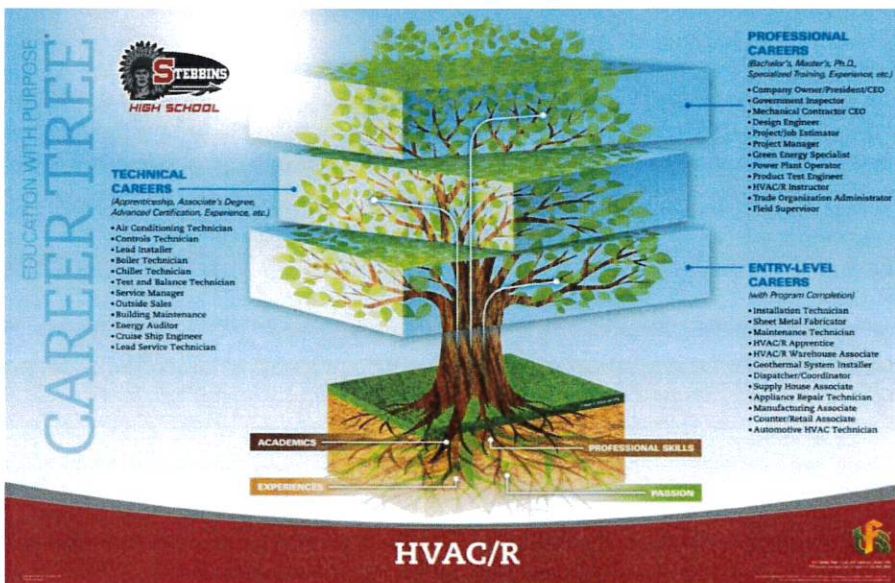




Career Pathway: HVAC



Mad River Middle School	
7 th Grade	
Supporting Courses:	Design & Modeling,
8 th Grade	
Supporting Courses:	Green Architecture, Computer Science
Stebbins High School	
9 th grade	
Required Courses:	Algebra I, English 101, Physical Science, World Studies, Health, PE, Art I
Supporting Courses:	Computer Applications I, Foreign Language, Manufacturing Foundations
10 th grade	
Required Courses:	Geometry, English 201, Biology, American History, Art II
Supporting Courses:	HVAC Specialization, Computer Applications II, Foreign Language,
11 th grade	
Required Courses:	Algebra II, Chemistry, English 301, American Government
Supporting Courses:	Speech & Communication, Textile Design (Construction & Maintenance)
Concentrator Courses:	Heating & Cooling Systems, Sheet Metal
12 th grade	
Required Courses:	English 401, Applied Mathematics or Statistics
Supporting Courses:	Advanced Science, Social Studies Elective
Completer Courses:	Mechanical Electrical & Plumbing Systems, HVAC Refrigeration
College Credit	
*OSHA 10-hour, Heating Systems, Mechanical & Electrical Trouble Shooting (Concurrent enrollment courses * Juniors, + Seniors)	
Industry-Recognized Credentials	
OSHA 10-Hour, EPA Level 1 Small Appliances, EPA Level 2 High Pressure, EPA Level 3 Low Pressure, EPA Universal, Refrigerant Recovery, Forklift, Aerial Operator	
Work-Based Learning	
Apprenticeship & Pre-Apprenticeship, Internship, Virtual, Simulated Work Environment	



This pathway layout is meant to serve as a guide; for your specific graduation plans please schedule a meeting with your counselor.

HVAC Curriculum Plan

WebXam (Technical Skill Attainment)

Area of Concentration: DE

Below is the list of WebXams required for state reporting:

Test	Grade	Test Name	Is there a CTAG awarded to this course.
178012	11	Heating and Cooling Systems	No
178014	11	Sheet Metal	No
178002	12	Mechanical, Electrical, and Plumbing Systems	No
178013	12	HVAC Refrigeration	No

Industry Credentials/Certifications

Industry Credentials offered	Completed during Grade
Occupational Safety and Health Administration (OSHA) 10-hour	12
Environmental Protection Agency (EPA) Level 1 (Small Appliances)	12
Environmental Protection Agency (EPA) Level 2 (High Pressure)	12
Environmental Protection Agency (EPA) Level 3 (Low Pressure)	12
Environmental Protection Agency (EPA) Universal	12
Forklift Operator	12
Aerial Operator	12

College Courses are available through: Sinclair

College Credit potentially earned within Career Tech	Credit Hours	Completed during Grade
CAT 1431 OSHA 10-hour	1	11
HVA 1401 Mechanical & Electrical Trouble Shooting	3	12
HVA 1221 Heating Systems	3	12

Sinclair Short Term Certificates

Short Term Certificate	College hours completed in Career Tech	College Hours required
HVAC Light Commercial & Residential Service	7	30

Daily Schedule

Junior Year	2 periods (Heating & Cooling, Sheet Metal)
Senior Year	4 periods (Mechanical Electrical Plumbing Systems, HVAC Refrigeration, Capstone A & B)