



AGRICULTURE, FOOD, AND NATURAL RESOURCES (AGNR)

FARMER, RANCHER, AGRICULTURAL MANAGER

Health Science Education provides a comprehensive program to meet present and projected needs for the healthcare industry. Curriculum concepts incorporate technological advances to motivate students and prepare them to pursue a career as a future health professional. Emphasis is placed on the various domains of healthcare and related skills such as: employability skills, prevention (wellness), diagnostics, therapeutics, and rehabilitation. Students are encouraged to pursue work-based learning opportunities that include job Shadowing, internships, and apprenticeships to support their areas of interest in healthcare.

| Education Level | Grade | English | Math | Social Studies | Science | Health/PE and Other Electives | Elective | Elective | Elective | Enhancement Courses | | |
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| | | | | | | | | | | Microsoft Word and PowerPoint Microsoft Excel & Access Career Management Entrepreneurship 1 Principle of Business & Finance Personal Finance | | |
| Secondary | Courses listed in BOLD print are required for graduation. | | | | | | | | | | <u>Career & College Promise (CCP)</u> College Transfer Courses ACA 122 – College Transfer Success ENG 111 – Expository Writing ENG 112 – Writing/Research in the Discipline PSY 150 – General Psychology PSY 241 – Developmental Psychology Bio 168 – Anatomy and Physiology 1 Bio 169 – Anatomy and Physiology 2 Humanities/Fine Arts Elective | <u>AP Course Offerings</u> See course offerings in the high school curriculum guide or online at https://www.caldwellschools.com/ |
| | 9 | English 1 | Math 1 or Math 2 | World History | Earth & Environmental Science | Health/PE | Communication Skills | Career Management | Any Elective | | | |
| | 10 | English 2 | Math 2 or Math 3 | Civics and Economics | Physical Science or Biology | Agriscience Applications | World Language 1 | World Language 2 | CCP College Transfer Course Or Elective | | | |
| | 11 | English 3 | Math 3 or Math 4 | New American History | Biology, Physical Science, Chemistry or Physics | Horticulture 1 | Agricultural Mechanics 1 | Microsoft Word and PowerPoint | CCP College Transfer Course Or Elective | | | |
| 12 | English 4 | CCP College Transfer Course Or Elective | New Financial Literacy Requirement | CCP College Transfer Course Or Elective | Horticulture 2 | Agricultural Mechanics 2 | CCP College Transfer Course Or Elective | CCP College Transfer Course Or Elective | <u>Career and College Promise College Transfer Course Information</u> Career and College Promise (CCP) College Transfer Courses are available to Caldwell County Schools' students. These courses allow high school students to earn high school and college credit at the same time. Some classes are taught at each high school and some are offered on the main campus of Caldwell Community College and Technical Institute in Hudson, NC. To be eligible to take these courses, students must: <ul style="list-style-type: none"> • Be high school juniors or seniors; • Have an unweighted cumulative grade point average of 2.8 or higher; or demonstrate college readiness in Reading, English and Mathematics on an approved assessment or placement test (see CCCTI website for details). | | | |
| Potential college savings available by taking CCP courses during high school: \$715 ***based on \$71.50/credit hour*** | | | | | | | | | | | | |

POST-SECONDARY EDUCATION

Farmer: There are no post-secondary degrees available but apprenticeship or training under an experienced farmer is beneficial.

| <u>Sample Career Opportunities</u> | <u>High School</u> | <u>On the Job Training</u> | <u>Certificate</u> | <u>Associates Degree</u> | <u>Bachelor's Degree</u> | <u>Advanced College Degree</u> | <u>Average Annual Salary</u> | <u>Possible Majors for this Pathway</u> |
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| Landscape Architect | | X | X | X | X | X | \$90,400—\$116,764 | <ul style="list-style-type: none"> • Landscape Architecture • Landscape Design • Landscape Management • Horticultural Sciences • Horticultural & Botany • Landscape Construction • Plant Production • Turf Grass Management • Project Management |
| Landscape Designer | | X | X | X | X | X | \$51,202—\$65,339 | |
| Nursery and Greenhouse Worker | X | X | X | X | | | \$25,440—\$36,910 | |
| Horticulturalist | X | X | X | X | | | \$32,590—\$45,830 | |
| Landscape Management | X | X | X | X | | | \$125,574—\$195,495 | |
| Irrigation Management | X | X | X | X | X | X | \$43,169—\$50,880 | |
| Agricultural Engineers | | | X | X | X | X | \$70,128—\$101,990 | |
| Farmers, Ranchers, and Other Agricultural Managers | X | X | X | X | | | \$71,160—\$132,760 | |
| Horticultural Technician | | X | X | X | | | \$23,250—\$33,500 | |
| Garden Manager | X | X | X | X | | | \$52,860—\$79,150 | |
| Arborist Grounds Keeper | X | X | X | | | | \$32,250—\$47,500 | |