

The Henrico County Advanced Career Education (ACE) Centers offer training opportunities in the following areas for the 2016-2017 school year:

**ADVANCED CAREER EDUCATION (ACE) CENTER at HERMITAGE**  
804-756-3020

- |  |                                |
|--|--------------------------------|
| Air Cond., Refrigeration & Plumbing          | Graphic Communications         |
| Automotive Technology                        | Greenhouse Management          |
| Barbering                                    | Landscaping                    |
| CAD - Computer-Aided Drafting & 3D Animation | Legal Systems Administration   |
| Cosmetology                                  | Medical Systems Administration |
| Criminal Justice                             | Nurse Aide                     |
| Culinary Arts                                | Practical Nursing I            |
| Diesel Technologies                          | Precision Machining Technology |
| Electricity & Cabling                        | Sports Medicine                |
| Emergency Medical Technician                 | Veterinary Assistant           |
|  | Web Development/Programming    |

**ADVANCED CAREER EDUCATION (ACE) CENTER AT HIGHLAND SPRINGS**  
804- 328-4075

- |                                      |                                 |
|--------------------------------------|---------------------------------|
| Auto Body Repair                     | Electricity & Cabling           |
| Automotive Technology                | High Tech Academy               |
| Carpentry                            | Tourism Marketing and Sales     |
| Computer Systems Technology          | Masonry                         |
| Cosmetology                          | Nurse Aide                      |
| Criminal Justice                     | Pharmacy Technician             |
| Early Childhood Education & Services | Practical Nursing I             |
|                                      | Radio Broadcasting & Journalism |

Henrico County Public Schools does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or provision of programs, services, or activities. Reasonable accommodation will be provided upon request for individuals with disabilities.

For additional information, please contact a counselor in your school or write or call:

Career and Technical Education Department  
Henrico County Public Schools  
3751-C Nine Mile Road, Henrico, VA 23223-0420  
(804) 781-1810  
HENRICOCTE.COM



# CARPENTRY



**CARPENTRY I****Course No. 8601****Elective****36 weeks - 3 credits****Prerequisite: Recommendation of Counselor**

The Carpentry course is designed to provide preparation for entry into the residential construction industry. The course begins with an introduction to all hand tools and power equipment used in the trade, and their safe use and operation. Classroom and laboratory instruction provides the knowledge and practical applications of residential and light commercial construction to include interpretation of material and components, and the general concept of home building. Students will participate in the construction of a house. Students will have the opportunity to earn the 10-hour OSHA certification.

**CARPENTRY II****Course No. 8602****Elective****36 weeks - 3 credits****Prerequisite: Carpentry I**

The second year in Carpentry involves more detailed knowledge and practical experience in all areas of residential construction and renovation. The class also focuses more on material estimation and blueprint reading. Before the student completes the course, he or she also will have prepared a resume and acquired some knowledge about job interviews. Students are also given the opportunity to take the NCCER (National Center for Construction Education and Research) Core Curricula Assessment test which can count as up to two additional verified credits for a total of eight possible credits for completers. Completion of two years of Carpentry also qualifies you for an extra pay grade if you join the military.

**Major Units of Study**

1. Introduction to Carpentry
2. Safety in the shop and on the job site
3. Concepts essential to the carpentry trade
4. Use of power equipment
5. General house construction
6. Job applications and interviews
7. Blueprint reading and building codes

**Desirable Aptitudes and Background Courses**

A sincere interest in the house construction trade, good eyesight, good manual dexterity, and a willingness to work outdoors are essential for a worker to be successful in this trade. A sound mathematics background and courses in technology education are very helpful.

**Job Opportunities**

Many job opportunities are available with general contractors throughout Virginia. Wages vary within the carpentry field according to the type of work, and vary in different locations throughout the country. However, wages throughout the carpentry field rank high among the various areas of construction.

**Certification**

National Center for Construction Education and Research (NCCER) CORE Assessment