

Building Trades Standards and Benchmarks

Cedar Rapids Community School District

Cedar Rapids Iowa

February 2008

Building Trades is a yearlong course for seniors, which meets for a double period each day. It is designed to introduce students to the construction industry through the construction of a single-family house.

Standard 1: Students will acquire and utilize personal and leadership skills to become successful, productive employees in a construction environment.

Benchmarks

1. Demonstrate positive work ethics, punctuality, attendance, and preparedness for work.
2. Apply appropriate time to task.
3. Successfully perform leadership skills in an authentic construction setting.

Standard 2: Students will acquire and demonstrate current technical skills leading to an occupation in the field of construction.

Benchmarks

1. Know and apply procedures for safe use of tools and safety equipment related to construction.
2. Know the appropriate tools, equipment, and procedures needed for an entry-level job in construction.
3. Use acceptable industry standard equipment in construction at a project site.
4. Evaluate quality of construction project.

Standard 3: Students will know various career opportunities and assess personal career pathways related to construction.

Benchmarks

1. Identify careers related to building trades, lumber, and hardware.
2. Identify level of education/experience necessary for careers related to building trades, lumber, and hardware.

Standard 4: Students will explore various construction trades through hands-on experiences, enabling them develop a desire for further guidance and/or training in a construction field.

Benchmarks

1. Participate in basic framing techniques.
2. Participate in exterior house finishing, roofing, siding, etc., techniques.
3. Participate in or observe plumbing, mechanical, and electrical techniques.
4. Participate in insulation, drywall hanging and finishing techniques.
5. Participate in painting and wood trim finishing techniques.
6. Participate in house trim-out techniques.
7. Participate in basic exterior landscaping techniques.