

# STRANDS

## **Construction Technology**

Thomas Jefferson High School

- I. Measuring
  1. Customary System
  2. Using a Measuring tape
  
- II. Current Trends in Construction Technology
  1. New Innovations and Inventions in Construction Tools, Materials, and Processes
  2. Current Issues in Construction
  3. Safety
  4. Careers
  
- III. Electricity
  1. Tools and Materials
  2. Single Pole Switch Circuits
  3. Receptacles
  4. 3-Way Switch Circuits
  5. 4-Way Switch Circuits
  
- IV. Plumbing
  1. Tools and Materials
  2. Soldering
  3. Toilets
  4. Sinks

- V. Framing
  - 1. Tools and Materials
  - 2. Safety
  - 3. Reading a Floor Plan
  - 4. Structural Member Identification
  - 5. Laying Out a Wall
  - 6. Constructing a Wall
  - 7. Constructing a Structure
  
- VI. Roofing
  - 1. Tools and Materials
  - 2. Safety
  - 3. Laying Out a Roof
  - 4. Installing Shingles
  - 5. Patching a Roof
  
- VII. Interior Finish
  - 1. Tools and Materials
  - 2. Safety
  - 3. Choosing Interior Materials
  - 4. Installing Drywall
  - 5. Finishing Drywall
  - 6. Patching Drywall
  - 7. Painting
  
- VIII. Trim
  - 1. Tools and Materials
  - 2. Cutting Trim
  - 3. Installing Trim