



Chapter 3: Framing the Problem

Career and Technical Education Tasks by Rigor/Relevance Quadrant

Learning Experiences in the Rigor/Relevance Framework

Career and Technical
Education

Secondary Examples

Quadrant **C** Assimilation

- 6**
- Compare features of web development software. (Business)
 - Compare heat loss ratings and the cost of building materials. (Construction)
- 5**
- Analyze child safety hazards. (Family/Consumer)
 - Compare sanitation for types of germs. (Health Occupations)
 - Compare methods of chemical and biological control of weeds. (Agriculture)
- 4**
- Analyze commercials for purpose and impact. (Marketing)
 - Design levers and machines to move a specific weight. (Technology)
 - Compare the operation and maintenance of types of transmissions. (Automotive)
- 3**

Quadrant **A** Acquisition

- 2**
- Demonstrate web development software functions. (Business)
 - List safety procedures. (Construction)
 - List parent responsibilities. (Family/Consumer)
 - Give examples of harmful and helpful bacteria. (Health Occupations)
 - Identify species of weeds. (Agriculture)
- 1**
- List components of a typical business plan. (Marketing)
 - Demonstrate simple machines. (Technology)
 - Describe the function and operation of a transmission. (Automotive)

Quadrant **D** Adaptation

- Create a full website for a local business. (Business)
- Design and construct a storage shed. (Construction)
- Develop a brochure for parents on child safety. (Family/Consumer)
- Design a poster to remind people of techniques to reduce the spread of disease. (Health Occupations)
- Design an experiment to test the effects of herbicides. (Agriculture)
- Create a commercial for a local business. (Marketing)
- Design a robotic arm. (Technology)
- Troubleshoot and correct problems with an automatic transmission. (Automotive)

Quadrant **B** Application

- Design a web page. (Business)
- Use power tools correctly. (Construction)
- Demonstrate childcare tasks with a simulated infant. (Family/Consumer)
- Demonstrate correct hand washing techniques. (Health Occupations)
- Calculate application rates for herbicides. (Agriculture)
- Give a five-minute demonstration on a new product. (Marketing)
- Use 3-D modeling software to create a design. (Technology)
- Drain and replace fluid in a transmission. (Automotive)

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