Successfully completing this project's requirements can lead to a lifetime of personal and financial rewards: Doing basic home repairs provides a sense of personal pride in one's achievements and increased self-confidence. In addition, safe and successful do-it-yourselfers can easily save a family thousands of dollars in repair bills over the years.

**Requirements**

1. Do the following: (1 hour)
   1. Explain the most likely hazards you may encounter while working on home repairs and what you should do to anticipate, mitigate and prevent, and  
      respond to these hazards. Describe the appropriate safety gear and clothing that should be used when working on home repairs.
   2. Discuss general precautions related to home repairs. Name at least 10 safe practices that every home repairer should exercise.
2. Complete FOUR of the following:
   1. Maintain or recondition a yard tool and show that you know how to clean up and properly store this equipment. (1 hour)
   2. Weather-strip a window or door. (1 hour)
   3. Caulk cracks or joints open to the weather. (1 hour)
   4. Waterproof a basement. (8 hours)
   5. Repair a break in a concrete or asphalt surface. (3 hours)
   6. Repair the screen in a window or door. (2 hours)
   7. Replace a pane of glass. (1.5 hours)
   8. Solder a broken wire or metal object. (1 hour)
3. Complete THREE of the following:
   1. Install or build equipment for storing tools. (3 hours)
   2. Build a workbench. (6 hours)
   3. Repair a piece of furniture. (3+ hours)
   4. Paint or varnish a piece of furniture, a door, or trim on a house. (3 hours)
   5. Repair a sagging door or gate. (2 hours)
   6. Repair a loose step or railing. (1 hour)
   7. Repair a fence. (2 hours)
4. Complete TWO the following:
   1. Locate a main electrical switch box and know how to replace a fuse or reset a circuit breaker. (1 hour)
   2. Replace an electrical cord or repair a plug or lamp socket. (1 hour)
   3. Install a single-pole light switch. (2 hours)
   4. Replace or wire an electrical wall outlet. (2 hours)
5. Complete TWO of the following:
   1. Clear a clogged drain or trap. (1.5 hours)
   2. Repair a leaky water faucet. (1.5 hours)
   3. Repair a flush toilet. (1.5 hours)
   4. Repair a leaky hose or connector. (1 hour)
   5. Clean or replace a sprinkler head. (1 hour)
6. Complete THREE of the following:
   1. Prepare and paint a wall or ceiling. (2+ hours)
   2. Repair or replace damaged tile, linoleum, or vinyl flooring. (2+ hours)
   3. Install drapery or curtain rods and then hang drapes or curtains. (2 hours)
   4. Replace window blind cords. (1 hour)
   5. Repair or replace a window sash cord. (1 hour)
   6. Reinforce a picture frame. (1 hour)
   7. Mend an object made of china, glass, or pottery. (1 hour)

\*\* In the event you have another task that you feel will fall under one of the categories above, please get that activity approved before you complete it. All activities will need to have documentation of you performing the activities and detailed descriptions of what you did. It does not matter the location of the activity, just that you learn how to perform it correctly.\*\*