

BILLINGS PUBLIC SCHOOLS
HOME IMPROVEMENT
Adoption Date August 26, 2002

MISSION STATEMENT

The mission of the Home Improvement course is to provide student with a background of skills and work habits which lead them to employment in the booming industry of home improvement.

PHILOSOPHY

The Home Improvement course is designed to provide students with the essential knowledge and skills to make basic home improvements and repairs. The program provides a wide variety of hands-on experiences and emphasizes practical application. Home ownership is the single largest investment in an individual's lifetime. This class emphasizes the basic skills necessary to maintain and enhance that investment. The home improvement industry is one of the largest growing markets providing various skill-based jobs. Students will acquire the basic skills needed to work in the home improvement industry.

LEARNING DOMAINS

- I. The learner will communicate design ideas through visual presentations.**
- II. The learner will calculate quantities, measure, order, and install wallpaper in the Career Center house.**
- III. The learner will acquire and demonstrate the current technical skills practiced in the painting field.**
- IV. The learner will acquire the basic skills needed to complete the dry walling process.**
- V. The learner will acquire the basic skills needed to complete several basic electrical repairs and replacements.**
- VI. The learner will complete a community service project involving some aspect of the housing industry.**
- VII. The learner will analyze a variety of windows and window treatments available and select and execute a design plan and visual presentation that best coordinates with the theme and colors of the Career Center house design.**
- VIII. The learner will identify, organize and allocate time, money and resources to complete various upholstery and window dressing projects.**
- IX. The learner will demonstrate basic construction techniques used to produce, alter and repair textile products.**
- X. The learner will demonstrate an understanding of appropriate workplace skills.**
- XI. The learner will analyze career options available in the housing industry.**

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Learner Objectives

- I. The learner will communicate design ideas through visual presentations.**
 - 1. Select appropriate studio tools. (E)**
 - 2. Prepare a visual presentation including rendering, elevations and sketches of a mural to be rendered on the Career Center house garage. (E)**
 - 3. Demonstrate oral and written communication skills. (E)**
 - 4. Explain the selection and purposes of a variety of presentation medias such as photography, video, multimedia, power point presentation. (E)**

- II. The learner will calculate quantities, measure, order and install wallpaper in the Career Center house.**
 - 5. Identify the various kinds of wallpaper available on the market today. (E)**
 - 6. Calculate the quantities of wallpaper needed for the Career Center house using two different formulas. (E)**
 - 7. Complete a standard form used by an Interior Designer when ordering wallpaper for clients. (E)**
 - 8. Demonstrate the ability to recognize patterns when matching wallpaper. (E)**
 - 9. Remove and install two strips of wallpaper on a sampler wall utilizing their skill to match a specific pattern.**

- III. The learner will acquire and demonstrate the current technical skills practiced in the painting field.**
 - 10. Identify tools and equipment most commonly used by professionals in the painting field. (E)**
 - 11. Choose the correct paint for a specific job. (E)**
 - 12. Estimate the amount of paint needed for a specific job. (E)**
 - 13. Experiment with various faux paint techniques used in the industry (ragging, dragging, color washing, sponging, strie', bagging, stamping, stenciling, striping, marbleizing, granite, combining, antiquing, crackle painting, and gilding). (E)**

- IV. The learner will acquire the basic skills needed to complete the dry walling Process.**
 - 14. Identify the tools used in the dry walling industry. (E)**
 - 15. Demonstrate the basic skills needed to finish fastener head, mud and tape butt and tapered joints, mud and tape inside and outside joints, including sand finish and inspecting walls before texturing. (E)**

- V. The learner will acquire the basic skills needed to complete several basic electrical repairs and replacements.**
 - 16. Become familiar with blown fuses and short circuits.**
 - 17. Wire a basic light switch and electrical outlet.**
 - 18. Bring a broken lamp back to functional use.**

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- VI. The learner will complete a community service project involving some aspect of the housing industry.**
- 19. Identifying a community need.
 - 20. Developing a plan of action to be followed and implementing a chosen project.
 - 21. Implementing and completing the project using the plan of action process.
 - 22. Evaluating the results of the plan of action.
- VII. The learner will analyze a variety of windows and window treatments available and select and execute a design plan and visual presentation that best coordinates with the theme and colors of the Career Center house design by:**
- 23. Identifying the various parts and types of windows available. (E)
 - 24. Distinguishing between a valance, cornice, shade, shutter, blind, drapery, and curtain. (E)
 - 25. Selecting appropriate studio tools to prepare renderings, elevations, and sketches of their selection of window treatments for the Career Center house. (E)
- VIII. The learner will identify, organize and allocate time, money and resources to complete various upholstery and window dressing projects by:**
- 26. Measuring windows, estimating fabric costs, constructing and installing window treatments in the Career Center house within a specific completion date. (E)
 - 27. Designing, measuring, and estimating material costs, to construct and upholster a footstool. (E)
- IX. The learner will demonstrate basic construction techniques used to produce, alter and repair textile products by:**
- 28. Using a variety of equipment, tools, and supplies for upholstery and textile construction. (E)
 - 29. Demonstrating the ability to use commercial sewing machines and upholstery equipment. (E)
 - 30. Selecting and using appropriate industry material for cleaning, pressing, and finishing textile products. (E)
- X. The learner will demonstrate an understanding of appropriate workplace skills by:**
- 31. Demonstrating proper and safe procedures while working with tools and materials. (E)
 - 32. Displaying an understanding of appropriate workplace behavior, which include a positive attitude, good work ethic, and a pride in the final outcome of a project. (E)
- XI. The learner will analyze career options available in the housing industry by:**
- 33. Investigating various careers available in the housing industry and identify a career of choice. (E)
 - 34. Contacting and making arrangements for a speaker to present to the class various aspects of his/her career or profession.
 - 35. Completing a student portfolio and a profile of accomplishments to be used for employment. (E)