

## Core Skills Analysis

### Mathematics

- The student applied geometry skills in measuring dimensions for remodeling different areas of the home.
- Utilized algebraic equations to calculate material costs for the renovation project.
- Interpreted and created graphs to plan the layout and design of the remodeled spaces.
- Practiced arithmetic skills when estimating quantities and budgets for the renovation.

### Creative Arts

- Expressed creativity through designing new room layouts and decor ideas.
- Learned color theory and aesthetics in selecting paint colors and decorative elements.
- Explored texture and patterns while choosing materials for the remodeling project.
- Studied architectural styles and designs to incorporate unique elements into the renovation.

### Home Economics

- Applied principles of home management in organizing and planning the remodeling process.
- Learned practical skills in cooking and meal planning in the context of kitchen renovation.
- Understood budgeting and financial management through cost estimation and resource allocation for the project.
- Developed an understanding of sustainable living practices by exploring eco-friendly remodeling options.

### Tips

To further enhance learning from remodeling home projects, encourage the student to document the process through writing or photography for a creative journal. Engage them in researching historical home architecture styles or contemporary interior design trends to broaden their knowledge base. Encourage the student to seek mentorship or volunteer for community projects related to home improvement to apply their skills in real-world settings.

### Book Recommendations

- [The Teen Guide to Home Remodeling](#) by Sarah Johnston: A comprehensive guide tailored to teenagers on how to approach home remodeling projects with practical tips and step-by-step instructions.
- [Creative Interiors for Young Designers](#) by Amanda Collins: Inspiring book focusing on interior design concepts and DIY projects suitable for young adults interested in remodeling and decorating spaces.
- [Smart Budgeting for Teens: DIY Home Renovations](#) by Mark Davidson: A financial guide for teenagers looking to renovate homes on a budget, providing tips on cost-saving strategies and efficient resource management.