

## Core Skills Analysis

### Science

- Learned about the chemical reaction involved in making soap.
- Understood the concept of saponification.
- Explored the role of different ingredients in soap making.
- Discovered the importance of pH balance in soap.

### Mathematics

- Measured ingredients accurately for the soap recipe.
- Calculated the ratios of oils and lye needed for the soap.
- Estimated the time needed for the soap to cure.
- Practiced division and fraction concepts while adjusting the recipe.

### Art

- Used creative designs and colors for the soap.
- Explored different shapes and molds for the soap bars.
- Learned about the aesthetics of presentation for handmade soaps.
- Engaged in sensory exploration through choice of scents and textures.

### Tips

To further enhance the learning experience from making soap, encourage the student to experiment with various natural additives like essential oils or herbs to create unique scents and textures. They can also delve into the history of soap making and its cultural significance to gain a broader perspective on the craft. Additionally, exploring the environmental impacts of different soap-making methods can foster a deeper understanding of sustainability and eco-friendly practices.

### Book Recommendations

- [The Everything Soapmaking Book](#) by Alicia Grosso: This beginner-friendly guide provides step-by-step instructions for creating homemade soaps with a variety of scents and textures.
- [Soap Crafting](#) by Anne-Marie Faiola: Through this book, kids can explore different soap-making techniques and recipes to expand their creativity in crafting unique soaps.
- [Creative Soap Making](#) by Cherie Benjamin: Discover the art of soap making with this book that offers innovative ideas and techniques for designing visually appealing handmade soaps.