

Core Skills Analysis

Science

- Learned about the properties of different oils and waxes used in making lip balm.
- Understood the process of emulsification through blending beeswax and essential oils.
- Explored the role of preservatives in extending the shelf life of the lip balm.
- Experimented with the effects of different additives like vitamin E on the final product.

Math

- Measured and calculated precise quantities of ingredients for the lip balm recipe.
- Estimated the cost of making each lip balm tube to understand pricing and profit margins.
- Practiced division by dividing the total ingredients into smaller portions for test batches.
- Utilized fractions when adjusting the recipe to make different sized batches.

Language Arts

- Researched the benefits of natural ingredients to write a persuasive paragraph for their product.
- Wrote step-by-step instructions for making lip balm to improve technical writing skills.
- Created labels with creative names using vocabulary and language skills.
- Practiced public speaking by presenting the benefits of their lip balm to classmates.

Tips

To further enhance the learning from making lip balm, encourage Emma to explore the world of skincare by experimenting with different recipes and variations. She can also delve into the marketing aspect by designing packaging and creating a brand identity for her lip balm products. Additionally, joining online DIY skincare communities or attending workshops can provide valuable insights and inspiration for her future creations.

Book Recommendations

- [The Big Book of Homemade Products for Your Skin, Health, and Home](#) by Jan Berry: A comprehensive guide with easy-to-follow recipes for homemade beauty products, including lip balms and skincare essentials.
- [Beekeeper's Lab: 52 Family-Friendly Activities and Experiments Exploring the Life of the Hive](#) by Kim Lehman: A hands-on guide that includes activities related to beeswax, honey, and other hive products, perfect for young science enthusiasts.
- [Crafting a Business: Make Money Doing What You Love](#) by Kari Chapin: An inspiring book that teaches young entrepreneurs how to turn their creative hobbies, like making lip balm, into successful business ventures.