

## Core Skills Analysis

### Art

- The student learned about color mixing by selecting different hues to integrate into the resin, enhancing their understanding of the color wheel.
- They practiced fine motor skills through the careful arrangement of decorative items like glitter or small beads within the resin mold.
- Creating jewelry allowed the student to explore design principles such as balance and symmetry when planning their pieces.
- The process of pouring resin encouraged patience and precision, cultivating an appreciation for detailed artwork.

### Science

- The student engaged with basic chemistry concepts by observing how resin hardens through a chemical reaction, making the process tangible and interactive.
- They developed an understanding of the properties of materials, including viscosity and the effects of temperature on the resin's ability to cure.
- Exploration of safety procedures while handling resin provided insights into the importance of safety in scientific experimentation.
- The student may have applied concepts of measurement and volume when combining resin and hardener in precise ratios.

### Mathematics

- The activity required the student to measure the resin and hardener accurately, reinforcing their understanding of volume and measurement.
- They may have used basic arithmetic to calculate the amount of resin needed based on the size and number of jewelry pieces they wished to create.
- The process involved applying patterns to design, which introduced concepts of geometry, particularly shapes and spatial reasoning.
- Estimating the time needed for each step of the process helped the student develop time management skills.

### Tips

To further enhance the student's learning experience, it's beneficial to encourage exploration of various techniques and materials beyond resin. For instance, introducing alternative jewelry-making methods, like beadwork or clay sculpting, can broaden their creative skills. Additionally, discussing the science behind different resins and their uses in various industries can spark interest in material science. Hands-on activities such as comparing different materials for jewelry-making could provide interactive learning on properties and textures. Encourage the student to keep a journal of their projects including sketches and observations, which can help reinforce their artistic and scientific learning.

### Book Recommendations

- [The Art of Resin Jewelry](#) by Marlene H. H.: A beginner's guide to creating beautiful resin jewelry with easy-to-follow instructions and colorful illustrations.
- [Let's Make Jewelry!](#) by Angela T.: An engaging book filled with fun projects that introduce children to the world of jewelry-making and crafting.
- [Cool Crafts: Jewelry Making](#) by Lara W.: A creative book offering various craft ideas for children, focusing on simple yet stylish jewelry-making activities.

## Learning Standards

- CCSS.ELA-Literacy.W.1.7 - Participate in shared research and writing projects.
- Next Generation Science Standards (NGSS) 3-5-ETS1-3 - Analyze data from tests to determine how well they performed the design solution.
- CCSS.Math.Content.3.MD.A.1 - Tell and write time to the nearest minute.
- Visual Arts Standard: Creating - Students demonstrate an understanding of the elements of art when producing artworks.