

Science

- The 9-year-old student learned about the scientific method by formulating a hypothesis, conducting an experiment, and analyzing results using the Skittles experiment.
- They gained understanding of the concept of solubility as the colors from the Skittles dissolved in water, demonstrating the concept of solutes and solvents in a solution.
- Through the observation of color separation in the Skittles, the student gained insight into the process of chromatography, learning how different compounds can separate based on their properties.
- Having learned about the concepts of taste, the child can apply this to understanding how different chemicals and compounds create the flavors present in the Skittles candy.

For continued development, the student can expand on the experiment by comparing different brands of candy or using different temperature water to see if it affects the dissolving rate of the Skittles. Another creative idea could be to investigate how the colors of Skittles relate to their flavor, perhaps by creating a taste test survey among peers with blindfolds to see if they can correctly identify the flavors based on color.

Book Recommendations

- [Candy Experiments](#) by Lorelee Leavitt: This book offers a wide range of experiments and activities involving candy, including a chapter on chromatography with Skittles.

If you click on these links and make a purchase, we may receive a small commission.