

Art

- The child may have explored the visual effects and patterns formed as the fire started, providing an opportunity to understand the concepts of light, color, and form.
- The activity could have inspired the child to create art pieces or drawings based on the fire and its characteristics, encouraging creativity and expression.

History

- The use of fire has been a significant element in human history, driving technological advancements and playing a crucial role in the development of early civilizations. The activity can spark discussions about the historical significance of fire and its impact on human progress.

Math

- The child may have engaged in measurement and observation, potentially calculating the time it took for the fire to start or estimating the temperatures reached during the process.
- The child may have explored the concept of proportions and ratios as the amount of hand sanitizer and salt used could have affected the success of starting the fire.

Science

- The activity demonstrates the chemical properties of hand sanitizer and salt, allowing the child to understand the scientific principles behind the combustion process and the role of these materials in starting a fire.
- It provides an opportunity to discuss fire safety, including the importance of adult supervision and proper precautions when working with fire.

Continued development related to the activity can involve exploring other hands-on experiments related to fire, such as creating different colored flames with the use of common household chemicals. Encouraging the child to document their experiments and observations in a science journal can further develop their scientific inquiry skills and curiosity.

Book Recommendations

- [How to Start a Fire With Water](#) by Jane Drake and Ann Love: This book explores various unconventional ways to start fires and provides scientific explanations for each method.
- [The Art of Fire: The Joy of Starting a Fire](#) by Daniel Hume: A visually stunning book that delves into the art and science of fire starting, providing historical and cultural insights as well.
- [Fire: The Race to Kindle and Control](#) by Seabury Quinn: A historical exploration of the significance of fire throughout human history, covering its impact on culture, technology, and society.

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