Core Skills Analysis

Science

- David observed capillary action in real time as the coloured water moved up the paper towels, introducing basic scientific concepts such as absorption and water movement.
- He learned the relationship between materials (paper towels) and liquids (coloured water) and saw how water travels through tiny spaces.
- David distinguished colour changes as the water moved, reinforcing visual discrimination and cause-effect understanding in a hands-on experiment.
- He experienced simple experimental setup and observation skills by watching a natural phenomenon unfold without needing complex tools.

Art and Colour Recognition

- David identified and differentiated between multiple colours of water, enhancing his colour recognition abilities.
- The mixing of colours as water merged on the paper towels provided a sensory exploration of colour blending and creativity.
- Using vibrant coloured water appeals to visual senses and keeps engagement high, which supports active learning.
- He connected the sensory experience of colour with a scientific process, integrating art and science naturally.

Tips

To extend David's learning, consider experimenting with different types of paper or fabrics to compare absorption rates and discuss findings, which deepens scientific inquiry skills. Introduce a playful colour-mixing chart to predict what colours will appear where the water meets on the towel, encouraging early hypothesis and observation. Amplify sensory involvement by feeling the wet paper towels and discussing texture changes along with visual changes. You can also explore related concepts like evaporation by leaving some towels out to dry and observing the effects over time. These activities together build a more comprehensive understanding of water behavior and related physical properties.

Book Recommendations

- Water Dance by Thomas Locker: A poetic picture book showcasing the beauty and movement of water, connecting natural water phenomena to artistic visuals.
- Colour Zoo by LOUISE BUNN: An engaging book focusing on primary colours and how they combine to create new colours, perfect for young children learning about colour blending.
- Simple Science Experiments with Everyday Materials by Katrina E. Vandenberg: A collection of easy experiments designed for young kids that explains basic scientific concepts through fun, practical activities.

Try This Next

- Create a colouring worksheet where David can draw and colour the stages of water movement up a paper towel.
- Set up a quiz with simple questions like: 'What colour did the water turn when red and blue met?' or 'Which material soaked water faster?'

Growth Beyond Academics

This activity likely supported David’s natural curiosity and patience as he watched the slow water movement. It also promoted observational skills and sustained attention, offering a gratifying sense

of discovery and accomplishment when he saw the water climbing. Engaging with colours and simple science together may boost his confidence and encourage independent exploration.