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#### ENGAGING LEARNERS IN SCIENTIFIC INQUIRY ACTIVITIES

by: **Snooky L. David** Teacher III, Mambog Elementary School

Imagine science as a vast ocean of discovery, teeming with wonders waiting to be explored. At the shores of this ocean stand elementary students, eager adventurers with a thirst for knowledge and a spark of curiosity in their eyes. It is our role as educators to equip them with the tools and inspiration they need to embark on this voyage of scientific exploration. In this article, let us embark together on a journey to discover effective strategies and approaches for igniting a love for science in our young learners.

Science isn't just a subject confined to textbooks and classrooms; it's a lens through which we view the world around us, a key to unlocking the mysteries of the universe. By engaging students in hands-on exploration and inquiry-based learning, we open the door to a world of discovery and innovation. Let's provide opportunities for students to conduct experiments, make observations, and draw conclusions based on evidence, fostering a deeper understanding and appreciation for the wonders of science.

Just as a gardener tends to their garden with care and attention, so too must educators nurture a culture of curiosity and inquiry in the classroom. Let's encourage students to ask questions, explore topics of interest, and pursue their curiosity through student-led investigations and research projects. By empowering students to take ownership of their learning, we cultivate a sense of wonder and excitement that fuels their passion for scientific exploration.

Science isn't just about memorizing facts and figures; it's about making connections between the abstract concepts we learn in the classroom and the real-world phenomena we encounter every day. Let's connect science to students' everyday



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experiences and interests, demonstrating its relevance and impact on their lives. By incorporating real-world examples, current events, and hands-on activities, we spark their curiosity and inspire them to delve deeper into the world of science.

In the digital age, technology acts as a bridge, connecting students to a wealth of resources and opportunities for scientific exploration. Let's leverage interactive simulations, videos, and virtual labs to enhance students' understanding of complex scientific topics in a dynamic and immersive way. By integrating technology into our teaching practices, we create engaging learning experiences that captivate students' attention and deepen their understanding of scientific concepts.

Science is a collaborative endeavor, requiring teamwork, communication, and shared discovery. Let's provide opportunities for students to collaborate with their peers as they engage in scientific inquiry and exploration. By encouraging small-group discussions, cooperative learning activities, and collaborative projects, we foster a sense of community and teamwork that enhances the learning experience for all.

Finally, let's celebrate the achievements and contributions of scientists and innovators from diverse backgrounds, inspiring students to see themselves as future leaders and innovators in the field of science. By highlighting the stories behind famous scientists and their groundbreaking work, we instill a sense of awe and inspiration for the wonders of science, motivating students to pursue their own scientific dreams and aspirations.

In teaching elementary students, a love for science, we're not just imparting knowledge; we're igniting a passion for discovery, innovation, and lifelong learning. By engaging students in hands-on exploration, fostering a culture of curiosity and inquiry, connecting science to their everyday lives, integrating technology and multimedia, and promoting collaboration and celebration of scientific achievements, we empower students to become confident and informed individuals who appreciate the wonders of



the natural world and strive to make meaningful contributions to scientific inquiry and innovation. Together, let's embark on this journey of scientific discovery and exploration, inspiring the next generation of scientists, innovators, and changemakers.

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