Elementary Science Samples

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Illustrated cycles and diagrams

Have students choose a scientific cycle, such as the butterfly life cycle or water cycle, and illustrate it. For examples, students can demonstrate what they know about butterflies and their life cycle by drawing a picture of a butterfly’s habitat, and diagramming the different stages in the process of butterfly metamorphosis.
Students created their own nonfiction science books for plants, animals, or biomes. To help support their research on animals, students at Valley Elementary in Frederick, Maryland read an assortment of non-fiction texts on bats and penguins. Students selected an animal and wrote their own non-fiction books to show their understanding of the animal’s characteristics, habitat, offspring, and amazing facts.
Students created a scientific report on a conservation issue they felt strongly about. In this example, Hayley educates others on the effects of global warming using the paint tools and stickers to visually represent the effects global warming has on the environment. This process has students apply their knowledge by creating a real world product.
Science Topics News Broadcast After students have studied various science concepts, have them apply what they have learned by writing a news report that illustrates the concept they have learned. In Magnet Men, students applied the basic concepts of how magnets work in a meaningful way. Projects of this nature can be a contribution to knowledge for future classes giving it an enduring quality.
After completing field trips to MOSI, the Botanical Gardens, Nature’s Classroom, and the Lowery Park Zoo, students in Tampa Florida created public service announcements about Florida’s endangered species complete with photos, audio, transitions, titles, and sound effects — similar to PSAs that they would see on TV.