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Kids & Family Celebrate winter

Cooler temperatures across the country and the first snows of the season in many areas bring about great opportunities to spark our children's interest in science. When we use words like snow, ice, melting, freezing, colder and warmer, we can help children make connections between the weather they observe outside and how a liquid, like water, can freeze, change and become a solid (ice) and melt back to liquid again. [Use the wintry books, experiments and games below to play and learn as you celebrate the season!](#)



Early Childhood Pint Size Science

In Spring, 2020, Iowa PBS was provided with a Governor's STEM Scale-Up Program, Pint Size Science, which was developed by the Science Center of Iowa. This program uses a hands-on approach that engages and [inspires young minds to explore scientific phenomena](#), and introduces early learners to STEM topics through discovery learning. Iowa PBS is excited to learn more about each of the themes and begin using the kits to help young children learn about science as soon as it is possible.



Elementary Explore Iowa's geological past with FIND Iowa!

Did you know Iowa has many fossils of ancient sea creatures? How did they get here? Have students investigate Iowa's ancient geological past by visiting the **FIND Iowa** site. This Iowa Core and NGSS aligned geology theme [encourages students to think about how Iowa has changed over millions of years](#) and the natural forces that have shaped some of Iowa's unique landscapes. Students will explore fossils and their locations, and how water, wind and ice have created caves, hills, canyons and cliffs across Iowa.



Secondary Deciding your city's energy future

[Students learn about fossil fuels and renewable energy sources](#) to help them decide which type of energy should be used to power a city's electric grid in the coming decades. In this interactive lesson, students watch videos adapted from **NOVA: Treasures of the Earth: Power** and analyze data provided in graphs and maps concerning the availability, cost,



reliability and environmental impact of different energy sources. They use what they learn from the lesson materials to make an evidence-based argument that supports their decision.



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