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Title: "Carbon Explorers: Unveiling the Secrets of Nature"

Objective: The primary goal of this curriculum is to introduce grade 2 students to the basic concept of carbon and foster an early appreciation for the environment. Through interactive and engaging activities, students will build on their natural curiosity to explore the role of carbon in the world around them, developing a sense of wonder and responsibility for the environment.

Module 1: Carbon Adventures

• Lesson 1: Carbon Detectives Unite!

- Introduction to the role of carbon in nature.
- Group activity: Becoming "Carbon Detectives" through a scavenger hunt for carbon-related items.

• Lesson 2: My Carbon Journal

- Creative writing activity: Students maintain a simple journal documenting their daily encounters with carbon.

Module 2: The Magic of Plants and Carbon

• Lesson 3: Plants and Carbon Friends

- Understanding how plants use carbon dioxide for photosynthesis.
- Planting activity: Students plant seeds and observe the growth process.

• Lesson 4: The Great Oxygen Show

- Experiential activity: Simulating the production of oxygen by plants through a "Great Oxygen Show" role-play.

Module 3: Earth's Air and Carbon

• Lesson 5: Clean Air for All

- Discussion on the importance of clean air for humans, animals, and plants.
- Art activity: Creating a collaborative "Clean Air Mural."

• Lesson 6: Carbon in the Wind

- Outdoor activity: Observing and discussing how the wind disperses carbon in the air.
- Creating wind-powered art projects.

Module 4: Environmental Stewardship

• Lesson 7: Nature's Helpers - Us!

- Story time: Reading stories about children making a positive impact on the environment.
- Group discussion on how students can be nature's helpers.

• Lesson 8: Our Carbon Promise

- Collaborative project: Creating a class "Carbon Promise" poster with pledges to take care of the environment.
- Sharing the pledges with parents and the school community.

Assessment:

- Teacher observation during activities.
- Reflective discussions on students' journals.
- Collaborative projects showcasing understanding and creativity.

By the end of this curriculum, grade 2 students should have a foundational understanding of carbon, its connection to the environment, and the vital role they play as stewards of the Earth. The curriculum aims to instill a sense of wonder and responsibility, setting the stage for continued environmental awareness and appreciation.

