

The primary goal of this curriculum is to introduce grade 1 students to the basic concept of carbon and foster an early appreciation for the environment

Title: "Carbon Pals: Nurturing Nature's Little Helpers"

Objective: The primary goal of this curriculum is to introduce grade 1 students to the basic concept of carbon and foster an early appreciation for the environment. Through engaging and age-appropriate activities, stories, and hands-on experiences, students will develop a foundational understanding of the role of carbon in nature, cultivating a sense of curiosity and care for the world around them.

Module 1: Nature's Building Blocks

• Lesson 1: Meet Carbon Friends

- Introduction to the concept of carbon as a friendly element in the environment.
- Story time: Narration of a whimsical tale featuring Carbon Friends exploring the world.

• Lesson 2: Carbon Treasure Hunt

- Interactive activity: A nature walk to discover everyday objects containing carbon.
- Show and tell: Students bring in items found during the treasure hunt.

Module 2: Magical Trees and Carbon

• Lesson 3: Tree Friends Need Carbon

- Understanding how trees use carbon dioxide for photosynthesis.
- Craft activity: Creating a "Magical Tree" artwork with carbon elements.

• Lesson 4: The Dance of Leaves and Carbon

- Movement activity: A fun "Dance of Leaves" to simulate the exchange of gases in photosynthesis.
- Discussion on the importance of trees in our environment.

Module 3: Clean Air, Happy Earth

• Lesson 5: Our Air and Carbon

- Introduction to clean air and the role of carbon in the atmosphere.
- Art activity: Drawing colourful depictions of a clean and happy Earth.

• Lesson 6: Windy Day Experiment

- Outdoor experiment: Observing and discussing how the wind disperses carbon in the air.
- Simple wind-related craft activity.

Module 4: Little Environmental Stewards

• Lesson 7: Caring for Our World

- Story time: Reading a story about young environmental stewards caring for their surroundings.
- Group discussion on simple actions to care for the environment.

• Lesson 8: Our Pledge to Carbon Friends

- Creative activity: Crafting a class pledge to be mindful of carbon and take care of the environment.
- Culminating event: Sharing the class pledge with parents and the school community.

Assessment:

- Teacher observation during activities.
- Informal discussions to assess understanding.
- Art and craft creations showcasing students' interpretations of carbon and the environment.

By the end of this curriculum, grade 1 students should have a basic understanding of carbon and its presence in the environment. The emphasis is on fostering a positive and caring attitude toward nature, laying the groundwork for future environmental awareness and responsibility.

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