

## Carbon Capers: Laughs, Giggles, and Eco-Surprises for Grade 4 Explorers

Objective: Buckle up, little scientists! Get ready to embark on the uproarious expedition of "Carbon Capers"! The grand mission for our grade 4 daredevils? Decode the carbon enigma and throw a cosmic party for Mother Earth. Brace yourselves for laughter-packed lessons, hands-on escapades, and projects so quirky, even carbon atoms would crack a smile. This curriculum is your passport to the side-splitting world of carbon while nurturing a love for our beloved environment that's more enduring than a rubber chicken joke.

Module 1: Carbon Unleashed • Lesson 1: Carbon 101 - The Elemental Tale ◦ Dive headfirst into the carbon spectacle with a storytelling extravaganza – think of it as a stand-up comedy show, but with molecules stealing the spotlight. ◦ Group banter on carbon's A-list appearances, from the air we breathe to the snacks we sneak during class.

• Lesson 2: Carbon Detectives on the Case ◦ Strap on your eco-sleuth hats for a wild quest to unveil carbon's hide-and-seek talents. ◦ Interactive scavenger hunt: Unearth carbon-rich treasures hiding where you least expect – your lunchbox might never be the same.

Module 2: The Carbon Cycle Expedition • Lesson 3: Journey Through the Carbon Cycle ◦ Set off on a fantastical journey tracing carbon's epic cycle – think of it as a road trip, but through ecosystems and with more laughter. ◦ Engaging board game: "Carbon Quest" – the only quest where you navigate ecosystems, avoid carbon potholes, and maybe discover a treasure chest of carbon trivia.

• Lesson 4: Carbon Creations - DIY Carbon Cycle Models ◦ Get crafty with a hands-on adventure – creating quirky models showcasing the carbon dance in nature. ◦ Display and explain: Showcase your masterpieces with the flair of a comedic artist presenting their latest masterpiece to an adoring audience.

Module 3: Carbon Creatures - Flora and Fauna Connection • Lesson 5: The Carbon Harmony of Plants and Animals ◦ Dive into the interconnected world of plants and animals – it's like a backstage pass to nature's comedy club. ◦ Planting party: Pot

your very own carbon-capturing plants, complete with stand-up routines from the greenery.

- Lesson 6: The Carbon Zoo - Animal Adventures ◦ Investigate how animals become carbon comedians, from herbivores with a leafy sense of humour to de-composers with a knack for recycling. ◦ Create a "Carbon Zoo" display featuring quirky facts about critters with a carbon-loving attitude.

Module 4: Eco-Action Explorers • Lesson 7: Carbon Footprint Challenge ◦ Roll out the eco-friendly red carpet for the concept of a carbon footprint – it's like a dance-off, but with smaller steps and a reduced environmental beat. ◦ Team competition: Brainstorm and implement eco-friendly strategies to reduce your carbon footprint, because saving the planet is cooler with teamwork.

- Lesson 8: Future Guardians' Pledge ◦ Wrap up the adventure with a collaborative project: Crafting a class pledge to become stewards of the environment – a pledge so inspiring, even trees would applaud. ◦ Presentation to parents and the school community: Share your commitment, sprinkle in some jokes, and inspire others to join the laughter-filled environmental party.

Assessment: • Ongoing observation during activities and discussions (extra points for laughter-induced snorts). • Participation in hands-on projects and group collaborations (bonus if your creation brings out chuckles). • Creative reflections on personal experiences and understanding of carbon in the provided "Eco-Explorer Journals," with doodles and jokes warmly welcomed.

By the end of "Carbon Capers," our grade 4 adventurers will emerge as carbon comedians with a profound understanding of nature's dance. The curriculum aims to instil wonder, curiosity, and a hilarious sense of environmental responsibility in each budding eco-explorer, turning the journey into a stand-up comedy special for Mother Earth.

