

Year 4-2

Lesson 1 (Monday) - Turbo

Once upon a time, in a vibrant forest teeming with life, a group of curious young explorers gathered around their teacher, Ms. Lily. She had a twinkle in her eye as she posed a thought-provoking question to the children, "How can changes to the environment affect the things that live there?"

The children, eager to unravel this mystery, embarked on a quest to understand the intricate balance of nature. They learned about food chains, where each living thing plays a vital role. There were producers, like the lush green plants that made their own food, predators who hunted for their meals, prey who tried to avoid becoming dinner, and consumers who enjoyed a variety of foods.

As they delved deeper into the topic, the children realized that the availability of food was crucial for the survival of all creatures. They conducted experiments by altering small parts of their environment, like covering the ground with carpet, to see how it affected the animals living there. They also pondered the impact of more significant changes such as fires and floods, understanding how these events could disrupt the delicate harmony of the ecosystem.

One day, a new challenge awaited the young explorers. They were faced with a scenario where a river needed to be diverted to make way for new houses. The original course of the river fed into a pond, home to a diverse array of pond life. The children had to consider the effects of this change on the creatures living in the pond, prompting them to think critically about the consequences of human actions on the environment.

Through their adventures and investigations, the children learned valuable lessons about the interconnectedness of all living things. They understood that even small alterations to the environment could have far-reaching effects on the creatures that called it home.

Armed with this newfound knowledge, they brainstormed ways in which humans could reduce their impact on the environment and protect the delicate balance of nature.

In the end, the young explorers emerged wiser and more aware of the importance of preserving the environment for future generations. As they bid farewell to the forest, they knew that they had unlocked the secrets of nature's intricate web, ready to face whatever challenges the world may throw their way.

And so, the children's quest to understand the effects of environmental changes came to a close, but their curiosity and passion for the natural world burned brighter than ever before. With hearts full of empathy and minds buzzing with new insights, they set off on their next adventure, eager to explore the wonders of the world around them.

Questions:

1. How did the children in the story conduct experiments to understand the effects of changes to the environment?
2. Why did the young explorers have to consider the effects of diverting a river on the pond life?
3. What did the children learn about the interconnectedness of all living things through their adventures in the forest?

Answers:

1. The children conducted experiments by altering small parts of their environment, like covering the ground with carpet, to see how it affected the animals living there.
2. The young explorers had to consider the effects of diverting a river on the pond life to understand the consequences of human actions on the environment.
3. The children learned that even small alterations to the environment could have far-reaching effects on the creatures that called it home, highlighting the interconnectedness of all living things.

Lesson 2 (Tuesday) - Phi

Once upon a time, in a lush forest filled with tall trees, playful monkeys, and colorful birds, there lived many different animals. From tiny ants to big elephants, they all played important roles in the forest's food chain. One day, a wildfire spread quickly through the forest, destroying homes and habitats. All the animals were frightened and saddened by the loss of their friends and homes.

Sadie, the wise old owl, hooted softly as she watched the forest change. "This fire has damaged our forest, but what's even scarier," she said to Max the monkey, "is thinking about how it might affect our food chain." Max nodded, understanding the importance of the forest's balance. "We need to gather and learn about our food chain so that we can better understand what will happen when something like this fire happens again."

Together, the animals started researching how each living thing depended on one another in the food chain. They discovered that if one group got hurt, it would affect all the others. They shared this knowledge with their friends and families, and together, they created a plan to help restore the forest after the next fire. By understanding the food chain, the animals learned how to protect each other and their forest home, creating a happier and safer place for everyone to live.

Questions:

1. Why did Sadie, the wise old owl, feel scared and saddened?
2. What did Max the monkey suggest the animals do to understand their food chain?
3. What did the animals learn about protecting each other and their forest home?

Answers:

1. Sadie felt scared and saddened because the forest fire damaged their home and habitat, affecting the forest's balance.
2. Max suggested that the animals gather and learn about their food chain so they could better understand the consequences of events like forest fires and protect their home and community.

3. The animals learned that understanding the food chain would help them know how to protect each other and their forest home, creating a happier and safer environment for everyone. By doing so, they could prepare for and mitigate the effects of future fires or other threats to their forest ecosystem.

Lesson 3 (Thursday) - Human

It was a beautiful garden at the Institut International de Lancy. There were over 98 different types of unique plants and animals. Everything from flowers to insects worked together. Bees from the east collected nectar from western flowers, and frogs raised in the northern pond happily played with birds who migrated from the south. Each unique plant and animal brought something special to the garden, creating a happy environment where everyone worked and succeeded together.

One day, the local pond dried up due to a drought. This caused many animals to be thirsty and plants to wither. But as they were all very different with unique talents, some of the plants and animals brought very special blessings to the rest of the group. The cacti, who could store water, brought liquid that provided blossoming flowers for the bees to collect nectar. This helped the bees. And although the pond was drying up, algae near the quickly diminishing pond attracted insects, which made curious frogs explore the area even more for food.

The raccoons started digging into the damp soil at the bottom of the dried pond for food, uncovering hidden seeds or moist soil patches. These actions helped scatter seeds for new plant growth, encouraging vegetation around the pond.

It was obvious that during difficult times, each plant and animal had something special to offer. Working together, despite their differences, made them stronger and helped them survive changes around the pond. As the land became drier and their environment changed, it brought other species that provided something different and special to the changing area.

Even though there were changes and impacts on the environment, the plants and animals learned that no matter where they came from, they all had a valuable role to play in helping one another.

Questions:

1. How did the animals of Multicity come together to rebuild their home after the fire?
2. What lesson did the animals learn about the interconnectedness of all living things in the story?
3. How did the wise old owl, Ophelia, help the animals understand the importance of unity and diversity in the community?

Answers:

1. The animals of Multicity worked together to rebuild their home after the fire by appreciating and celebrating the diversity and uniqueness of each other.

2. The animals realized that all living things are interconnected, and every action, big or small, has ripple effects on the entire community.
3. Ophelia explained how everyone's unique contributions were essential to rebuilding the community and maintaining harmony, emphasizing the importance of unity in diversity.