

**Subject: Science**

**Topic: The Ozone Layer and us**

**Duration: 60 mins**

**Prepared by: Ms Romina Hollier**

**Desired learning outcomes:**

- \* The students will be able to understand what the ozone layer is and why it is important for us to protect it.
- \* They will learn what is causing the ozone layer to be in danger
- \* They will also realize why it is very important for us to take precautions in the present situation.

**Resources:**

- CD with a presentation on the ozone layer called *Ozzy Ozone*,
- Activity cards for groups,
- File paper for the card activity
- Flashcards and pictures on the topic,
- Handout on the subject.
- Scissors glue and colours

**Learning Patterns used:** Geru, Fina, Zringi and Faru

**Introduction: 10 mins Fina**

Today we are going to talk about the ozone layer.

I have a friend who would like to ask you a question. Do you know who this is? Fina

Ok, now Fina wants to know what the ozone layer is.

Does anybody know?

Give a couple of mins for the children to give a tentative answer.

Now, I would like you to watch this story.

**Development: (20 mins) Faru (Technical) and Zringi (Confluence)**

1. After they watch the video on *Ozzy*, start a discussion on this topic.
2. Put up the small chart of the earth and ozone layer and explain what the ozone layer is.
3. Put up the other chart with the plants.
4. Put up one flashcard after the other and ask them about it.  
A. **flashcard 1:** Who are strong and smart? Ozone defenders.

- b. **Flashcard 2:** What is protected by ozone defenders? The ozone layer is there not to let deadly UV rays inside our earth.
  - c. **Flashcard 3:** Why is ozone worried? The ozone layer weakens and breaks because of the CFC's.
  - d. **Flashcard 4:** Where do we find CFC's? in fridges and air conditioners
  - e. **Flashcard 5 and 6:** These are hidden dangers. They are safe in their machines but once they are out, they affect the ozone layer.
  - f. **Flashcard 7:** Deadly UV rays get in (penetrate) and affect us.
  - g. **Flashcard 8:** So, we need protection. Young people are in danger because their skin is still very delicate. We need to seek shade and put on a hat, cover our arms and legs and apply sun screen lotion.
  - h. Put up the mini chart about protection.
  - i. The last couple of flashcards are focused on what we need to do: ozone friendly products since we need 50 years to repair the ozone layer.
  - j. The very last flashcards are about: Every action counts and we can all make the difference. Here each student is asked to colour in a letter.
5. The next activity is also related to the CD. Put the class in 5 groups.

**Closure: (30 mins) Geru (Sequential), Faru (technical) Fina (Precision)**

1. They work out a card each and then rotate so that all 5 groups work out the 5 cards on Ozzy. They have to copy the sentence on a piece of file paper.
2. The last activity is the handout. They have to tick the right answer and then cut out the pictures and put them in the right box.