

## Lesson plan

Save the planet--Reduce, Reuse and Recycle

**Overview:** During this lesson, students will learn what's reduce, reuse and recycle and their importance to the environment. They will also apply the knowledge to the real life, knowing how to sort things to reduce, reuse and recycle.

- Subject: Reduce, Reuse and Recycle
- Duration: 20-30 minutes
- Target learner: 8-10 years old
- Reading Levels: Basic
- Prerequisite Knowledge and Skills: Basic knowledge of trash in daily life, and understand basic concept of environment protecting.

## Objectives

At the end of the course, Students will be able to:

- 1 Define the terms: reduce, reuse and recycle.
- 2 Classify items that can be reduced, reused and recycled
- 3 Justify the importance of reduce, reuse and recycle to improve the environment

Topic/task	Objective	Domain and Level
Video discussion	<u>Define</u> the terms: reduce, reuse and recycle.	Affective - Knowledge
Playing the game	<u>Classify</u> items that can be reduced, reused and recycled	Cognitive – Application
Promote the enjoyment of 3R	<u>Justify</u> the importance of reduce, reuse and recycle to improve the environment	Cognitive– Evaluation

## Learning procedure

### Pre-learning activity: Carry your trash for one day.

Every student will carry a transparent zip-top bag and place all the trash in it the whole day.

### While-learning activity

**Step 1:** When they bring the trash bag to the class, each student will weight his or her bag. The teacher will record them on the white board and compare these weights. Students who produce the least trash will be ranked at the top.

Purpose: This activity is very useful to aware students know how much trash they have produced per day.

**Step 2:** This activity will be performed before teacher weight student's trash. The activity starts with a discussion raised by the teacher:

Ask the students "Do you know what happens to the trash after you put it in the trash bin?"

Learners will reflect by brainstorming and listing ideas according to their understanding. After children's brainstorming, the teacher will play the video:

[http://pbskids.org/eeeworld/index.html?load=gabrage\\_recycling](http://pbskids.org/eeeworld/index.html?load=gabrage_recycling)



The video shows that trash goes to a landfill. And the water under the landfill will be contaminated. If the trash are burned, it will pollute the air.

Then pause the video (Don't play it all).

Tell the students If the landfill is full then another one needs to be found.

Purpose: This activity is to raise students' awareness of the consequences of trash.

**Step 3:** Ask the students” Can you imagine what will happen if our city is full of trash?” Students will start to discuss and the teacher will write down their thought on the white board.

Purpose: This activity relates the impact of trash on the environment to their own life. Besides, it reminds students if no measures are taken what will happen next.

**Step 4:** Ask the students” What we can do to prevent the city from being filled with trash? Students will brainstorm ways to solve the problems.

Then Play the video start from the pause point,

[http://pbskids.org/eeoworld/index.html?load=gabage\\_recycling](http://pbskids.org/eeoworld/index.html?load=gabage_recycling)



Purpose: This activity is to facilitate students to take some actions to protect the environment.

**Step 5:** After discussion, students will be grouped into 4-people teams. They will check out what trash they have and discuss what other ways they can do other than throwing them away.

Purpose: This activity is to let students solve the problem starting from their own life. Students will be more interested and motivated in how to solve his own problems.

**Step 6:** Then the teacher will classify their ways of solving the problems into 3 categories. For instance, donating the old toys, costumes and hats can be categorized together and lead students to identify the common characteristics of the e ways, then introduce the concept “Reduce, Reuse and Recycle”

Reduce ==> Produce less trash

Reuse ==> Use something repeatedly.

Recycle ==> Turn an item into another useful one.

Then students will watch the video start from this point



The video will show the meaning of reduce, recycle and reuse. It will also illustrate what happened when items are recycled.



Purpose: This activity is to use an inductive way to develop students' concept of the three terms.

### **Post-learning Activity: Play the game**

Let's students get started to clean the room in the interesting game! Learn to sort through which items can be recycled, donated (Reuse) and are organic waste and useless trash.

Purpose: This activity is to let students learn by practicing. This activity is to assess students' understanding of the concept by playing in the game, students will be more clear about the three terms and to use it in their own life.

### **Post-class activity: Carry your trash one more time**

After the class, students will do this activity again. The teacher will see who cuts his waste the most next day. Students will explain to the others how they reduce, reuse and recycle the items. The winner will get a can of candies as a reward.

Purpose: This activity is to facilitate students to transfer what they learn to real life application. The reward is a mechanism to motivate them to do the task.

### **Home work (Optional):**

Ask your parents if your family recycle at home. Then check the followings and write them down on your work sheet.

What waste can be reduced?

What can be reused that is thrown in the rubbish bin at home?

What can be recycled at home?