Hi 家教
Say Hi to the World !

The Integration of 21st Century Skills and Language Learning

Online Global Issues and English Enhancement Course

Version: 2021-10

Online Global Issues and English Enhancement Course

In aim of expanding students' ability to express their thoughts toward an issue, the course integrates 21st-century skills into language learning which helps to broaden the horizon and cultivate problem-solving skills.

Language competence

Independent thinking

Reflective learning

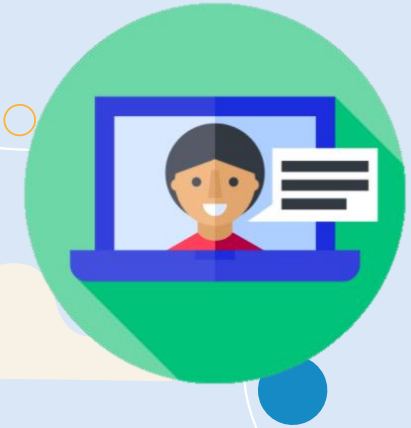
Problem-solving

The target of the class is to cultivate students' language competence, independent thinking, and problem-solving skills, so they can learn the language and think logically.

What will they achieve?

- Express their opinion effectively.
- Develop perspectives when doing research.
- Brainstorm solutions for problems.
- Think reflectively after learning.

Course Design



SDGs Issues

The themes of the material come from UN Sustainable Development Goals (SDGs). Build a connection between the issue and everyday life, guiding students to think about the importance.

STEAM Education

STEAM is an educational approach to learning that uses Science, Technology, Engineering, the Arts, and Mathematics. The course combines the skills of these areas to develop different points of view.

Problem/project-Based Learning (PBL)

The course puts focus on developing students' problem-solving skills. They find out problems and discuss solutions and results.

Example of Lesson Plan

Unit 1 Why Clean Water Matters

Description: Learning how clean water affects a community, and brainstorming the solutions to improve water quality, are a means to associate students with the issue of clean water and sanitation. In this lesson, students will be introduced to the issue "clean water and sanitation," and will have to think about the ways to improve it.

Objectives:
1. To learn vocabulary and expressions related to the topic
2. To cultivate knowledge regarding water sanitation
3. To brainstorm and discuss the idea of water sanitation, and express one's opinion using English

Class time: 50 minutes

Target level: Pre-intermediate

Target issue: SDGs goal 6 – Clean water and sanitation

STEAM ideas: Science – how water sanitation impacts humans and animals
Engineering – how do we get clean and safe water

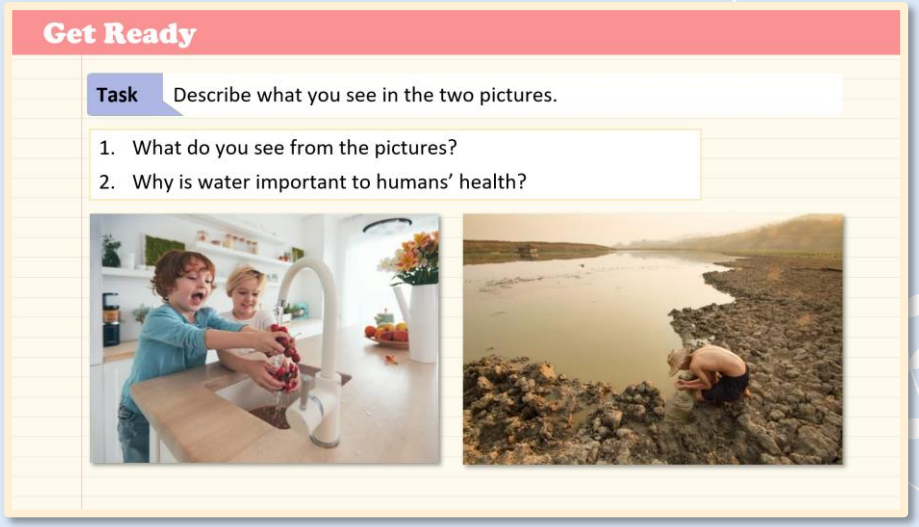
Lesson Sections	Activities	Time
Introduction	Introduce the topic to students.	1
Warm up	**Task: Picture Description** ▪ Describe the pictures showing the two places that have different water qualities.	4
Learning the issue	**Task 1: Video watching** ▪ Introduce and watch a video about SDGs goal 6, clean water and sanitation. **Task 2: Learning from the text and a general discussion** ▪ Read the sentences from the video and answer the discussion questions to build the link between the real-world issue highlighted and our lives.	15
Problem-solving task	**Main issue: How can we improve water quality?** **Task 1: Think about the sources of water.** ▪ Have students look up the sources of water on their own and guide them to talk about these sources. **Task 2: List the factors that affect water quality.** ▪ Have students look up the factors that affect water quality and guide them to talk about these factors. **Task 3: Discuss solutions for reducing poor water quality.** ▪ Guide students to list one of the biggest problems that affect water quality. Then, discuss the possible solutions and the result.	25
Wrap up	Help students review and recap what they have learned by answering the questions regarding the material.	5

Materials
1. Course material 2. Introduction video of Clean Water and Sanitation https://www.youtube.com/watch?v=qTX28qH5jT4&ab_channel=Participate

Learn Online PBL-Oriented Material

The material is designed based on different real-life issues.

The lesson starts with a “picture description” activity to let students have a basic idea about the issue.



Learning the issue

Step 1 Let's watch a clip about **Clean Water and Sanitation.**

The video is about...

- the importance of water.
- the problem caused by lack of clean water.
- the methods to produce clean water.

Source:
https://www.youtube.com/watch?v=qTX28qH5jT4&ab_channel=Participate

Watch introduction videos and read stories/texts to understand the issue.

Step 2 Read the sentences from the video and answer the discussion questions.

1 **We need clean drinking water to stay healthy, running water to stay clean, and working toilet to dispose the waste.**

dispose (v.): to get rid of something or throw something away

Extended question:
What do we use water for?

Move on to vocabulary learning and discussion.

Problem-Solving

Issue: How can we improve the water quality?

Billions of people around the world don't have access to safe and clean water. Even in developed countries, the water quality can be poor for various reasons. In this part, we will discuss how to improve water quality through the completion of the following three tasks:

- **Task 1** Think about the sources of water.
- **Task 2** List the factors that affect water quality.
- **Task 3** Discuss solutions for reducing poor water quality.

In the problem-solving-based activity, students will gradually expand their ability to think deeply and analyze the issue.

Opinions are expressed in a logical manner with the teacher's assistance.

Task 3 Discuss solutions for reducing poor water quality.

Many places around the world don't have access to clean and safe water. Let's think about the biggest problems and possible solutions regarding water quality.

- **Step 1** Start from thinking about one of the biggest problems that affect water quality.
- **Step 2** Brainstorm the possible ways to deal with the problem.

Problem	Solution	Result
.....	.....	.....
.....	.....	.....
	.....	

Do Offline Activity Hands-on Project

Hands-on projects match the theme of each unit to create different learning opportunities.

How to make a filter?

1. Cut off the bottom part of the plastic bottle.
2. Make a small hole in the center of the cap and place the upper part of the bottle upside down into the bottom cut part.
3. Stick your coffee filter through the hole at the center and down to the cap.
4. Add an inch of activated charcoal as the first layer.
5. Add about 3 inches of clean sand.
6. Add about 2 inches of gravel.
7. Finally, add the small rocks into the bottle.
8. The filter is done. Now, add dirty water to the bottle and watch your dirty water come out filtered.

Complete the task step by step and understand the theory at the same time.

Share opinions and feedback after completing the project.

Discussion

1. What materials do you think are also suitable for a water filter?
2. In what situation do we filter water?
3. Do you know any technology or device that can recycle and reuse water?

“Education is not the learning of facts, but the training of the mind to think.”

- Albert Einstein

THANKS!